Plot 302 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 303 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 304 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 305 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 306 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 307 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 308 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 309 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
System Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 310 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 311 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 312 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
System Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 313 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 314 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 315 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 316 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 317 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 318 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 319 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 320 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 321 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 322 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 323 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			111.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			101.63
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			106.6

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		2		8.00
3					4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 324 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			111.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			101.63
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			106.6

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		2		8.00
3					4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 325 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 326 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.50	1.58	1.58	7.11
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.44
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.4

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	2	7.98
Total (Sum of all Quantities) (d)				2	
Total (Sum of all totals per fitting type) (e)					7.98
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		1		4.00
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					7.00
Average flow rate (litres/min) = [(e)/(d)]					3.50
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 327 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 328 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 329 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			111.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			101.63
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			106.6

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		2		8.00
3					4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 330 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 331 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			111.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			101.63
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			106.6

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		2		8.00
3					4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 332 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.50	1.58	1.58	7.11
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.44
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.4

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	2	7.98
Total (Sum of all Quantities) (d)				2	
Total (Sum of all totals per fitting type) (e)					7.98
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		1		4.00
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					7.00
Average flow rate (litres/min) = [(e)/(d)]					3.50
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 333 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 334 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			111.68
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			101.63
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			106.6

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	3		1		3.00
2	4		2		8.00
3					4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 335 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 336 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 337 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 338 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 339 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 340 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 341 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 342 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 343 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 344 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 345 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
System Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 346 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
System Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 347 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 348 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			103.47
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			94.15
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			99.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	1	3.99
Total (Sum of all Quantities) (d)				1	
Total (Sum of all totals per fitting type) (e)					3.99
Average effective flushing volume (litres)=(e)/(d)					3.99

[Calculate [

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

wrc

LABC

©WRc pie 2022

Terms and Conditions
,S.v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	4		1		4.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					4.00
Average flow rate (litres/min) = [(e)/(d)]					4.00
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
.5_y:stem Requirements

Plot 349 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 350 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 351 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 352 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		1		6.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			1		
Total (Sum of all totals per fitting type) (e)					6.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 353 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Plot 354 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(l)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

WCType	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D				
Dual Flush?	lr.i				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)		
1	6	3	3.99	3	11.97
Total (Sum of all Quantities) (d)				3	
Total (Sum of all totals per fitting type) (e)					11.97
Average effective flushing volume (litres)=(e)/(d)					3.99
[Calculate [					

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
v.stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1			1		3.00
2			1		4.00
3			1		4.00
4					
5					
6					
Total (Sum of all Quantities) (d)			3		
Total (Sum of all totals per fitting type) (e)					11.00
Average flow rate (litres/min) = [(e)/(d)]					3.67
Maximum flow rate (litres/min) (f)					4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					2.80

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Tap Fitting Type	Flow rate (litres/min) (a)		Quantity (No.) (b)		Total per Fitting Type =(a)x(b) (c)
1	6		2		12.00
2					
3					
4					
5					
6					
Total (Sum of all Quantities) (d)			2		
Total (Sum of all totals per fitting type) (e)					12.00
Average flow rate (litres/min) = [(e)/(d)]					6.00
Maximum flow rate (litres/min) (f)					6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]					4.20

[Calculate]

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155	1	155.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50

[Calculate

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5

©WRc pie 2022

Terms and Conditions
y:stem Requirements