

WATER CALCULATION FOR DWELLINGS WITH NO ENSUITES
Plots 1-6, 42-53, 69-70, 80-85, 89-90, 92-100

Installation Type	Unit of Measure	(1) Capacity/Flow Rate	(2) Use Factor	(3) Fixed Use (litres/person/day)	(4) Litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (litres)	4.00	1.46	0.00	5.84
	Part flush volume (litres)	2.60	2.96	0.00	7.70
WC (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	0.00
Taps (excl kitchen/utility)	Flow rate (litres/minute)	4.41	1.58	1.58	8.55
Bath (where shower is present)	Capacity to overflow (litres)	130.00	0.11	0.00	14.30
Shower (where bath is present)	Flow rate (litres/minute)	9.00	4.37	0.00	39.33
Bath only	Capacity to overflow (litres)		0.50	0.00	0.00
Shower only	Flow rate (litres/minute)		5.60	0.00	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	4.41	0.44	10.36	12.30
Washing machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/use	If present =1 If absent = 0	3.08	0.00	0.00
Water Softener	Litres/person/day		1.00	0.00	0.00
	(5)	Total Calculated Use = (sum column 4)			109.67
	(6)	Contribution from greywater (litres/person/day) from table 4.6			0.00
	(7)	Contribution from rainwater (litres/person/day) from table 5.5			0.00
	(8)	Normalisation Factor			0.91
	(9)	Total Water Consumption = [(5)-(6)-(7)] x (8)			99.80
	(10)	External Water Use			5.00
	(11)	Total Water Consumption = (9)+(10) (litres/person/day)			104.80

WATER CALCULATION FOR DWELLINGS WITH ENSUITES
Plots 7-41, 54-68, 71-79, 86-88,91

Installation Type	Unit of Measure	Capacity/Flow Rate	Use Factor	Fixed Use (litres/person/day)	Litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (litres)	4.00	1.46	0.00	5.84
	Part flush volume (litres)	2.60	2.96	0.00	7.70
WC (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	0.00
Taps (excl kitchen/utility)	Flow rate (litres/minute)	4.41	1.58	1.58	8.55
Bath (where shower is present)	Capacity to overflow (litres)	130.00	0.11	0.00	14.30
Shower (where bath is present)	Flow rate (litres/minute)	6.30	4.37	0.00	27.53
Bath only	Capacity to overflow (litres)		0.50	0.00	0.00
Shower only	Flow rate (litres/minute)		5.60	0.00	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	4.41	0.44	10.36	12.30
Washing machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/use	If present =1 If absent = 0	3.08	0.00	0.00
Water Softener	Litres/person/day		1.00	0.00	0.00
(5) Total Calculated Use = (sum column 4)					97.87
(6) Contribution from greywater (litres/person/day) from table 4.6					0.00
(7) Contribution from rainwater (litres/person/day) from table 5.5					0.00
(8) Normalisation Factor					0.91
(9) Total Water Consumption = [(5)-(6)-(7)] x (8)					89.06
(10) External Water Use					5.00
(11) Total Water Consumption = (9)+(10) (litres/person/day)					94.06

Plots 7-41, 54-68, 71-79, 86-88,91

CONSUMPTION CALCULATOR FOR MULTIPLE SHOWERS

	(a)	(b)	(c)
Shower fitting type	Flow Rate (litres/min)	Quantity (No.)	Total Per Fitting Type = [(a) x (b)]
1	9.00	1	9.00
2	7.50	1	7.50
(d) Total (Sum of all quantities)		2	16.50
(e) Total (Sum of all totals per fitting type)			16.50
	Average flow rate (litres/min) = [(e)/(d)]		8.25
(f) Highest flow rate (litres/min)			9
	Proportionate flow rate (litres/min) = [(f) x 0.7]		6.3