



GTC Technical Guidelines - Gas

GTC Technical Guidelines and Safety information for
House builders and Developers



8.2 Meters Located Outside

Meter installations sited outside the building shall be housed in one of the following:

- Built-in/cavity meter boxes;
- Universal meter boxes;
- Surface-mounted meter boxes; or
- Purpose-built housings designed for low pressure meter installations.

Note: Semi concealed meter boxes are not permissible.

Meter boxes shall conform to BS 8499.

The fitting of meter boxes and the installation pipe is the responsibility of the developer and must comply with the current version of the Gas Safety (Installation and Use) Regulations.

Meters will not be installed in damaged, un-secured or incorrectly located boxes. A damaged meter box is in contravention of the Gas Safety (Installation and Use) Regulations and must not be installed. If a box is damaged after being installed, then it must be replaced, before the gas service and meter are connected.

A meter will not be installed unless the door on a built-in box or surface mounted box is fitted or if the box is not installed to the correct level or adequately fixed to the wall.



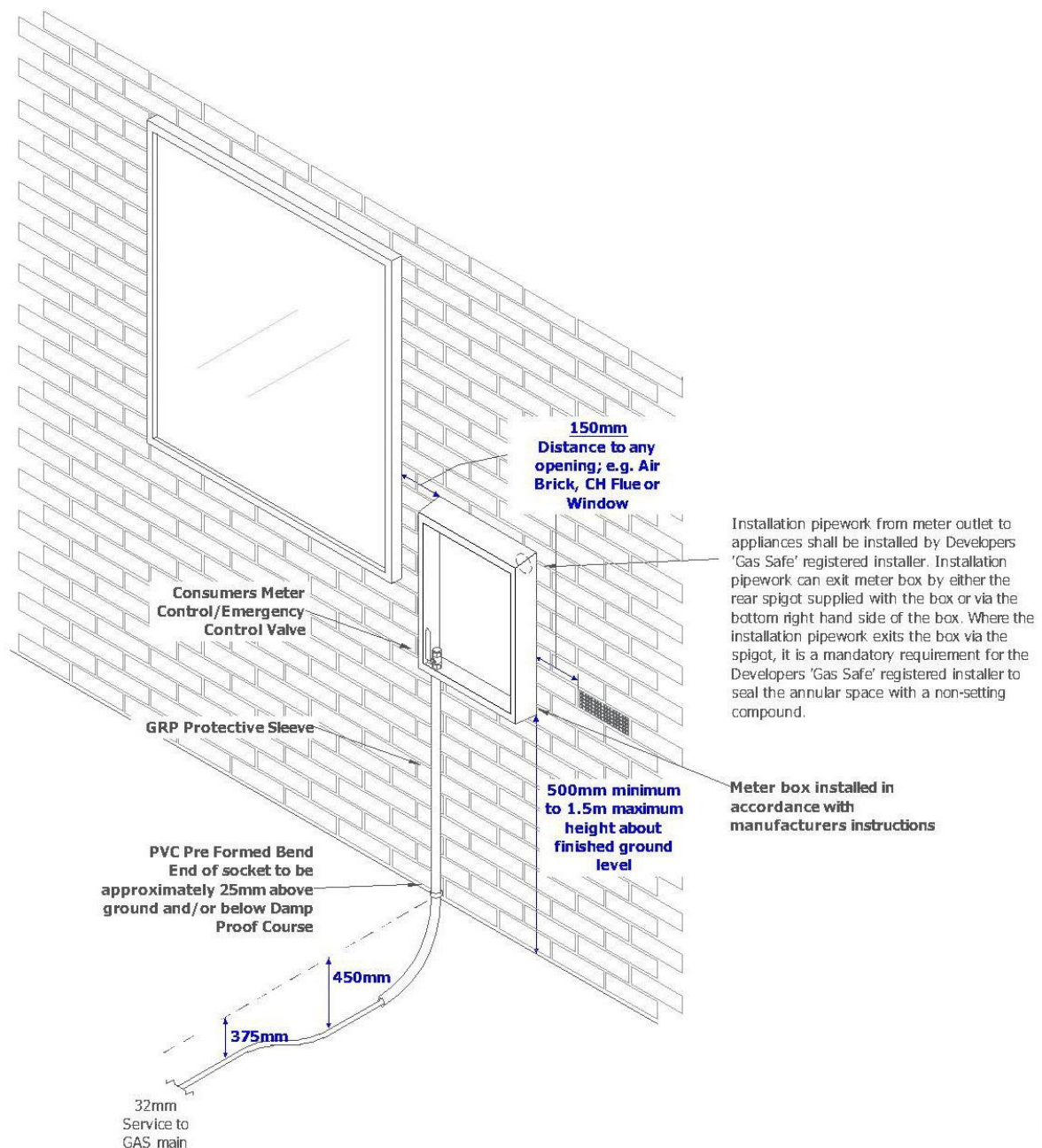
All meter housings shall be designed and installed such that:

- They are impermeable to gas and do not allow escaping gas to enter the wall cavity or property;
- They give protection against the weather and acts of vandalism;
- They are resistant to the surface spread of flame in accordance with BS 476-7:1997, Class 2;
- They do not bridge the damp proof course;
- Consumer access is gained only by a special key, and it is the developer's responsibility to provide this key to the householder;
- The consumer has ready access to the ECV;
- They incorporate ventilation that is a minimum of 2% of the plan area (1% at high level and 1% at low level) provided by purpose-designed vents of the non-closable type to achieve at least a Zone 2 hazardous area within the meter housings.

8.3 Built-In/Cavity Box

These boxes have been designed for insertion into the external leaf of a cavity wall. They are suitable for conventionally built or timber-framed dwellings.





The base of the box should be located preferably between 500mm and 1500mm above the finished ground level in accordance with the manufacturer's instructions.

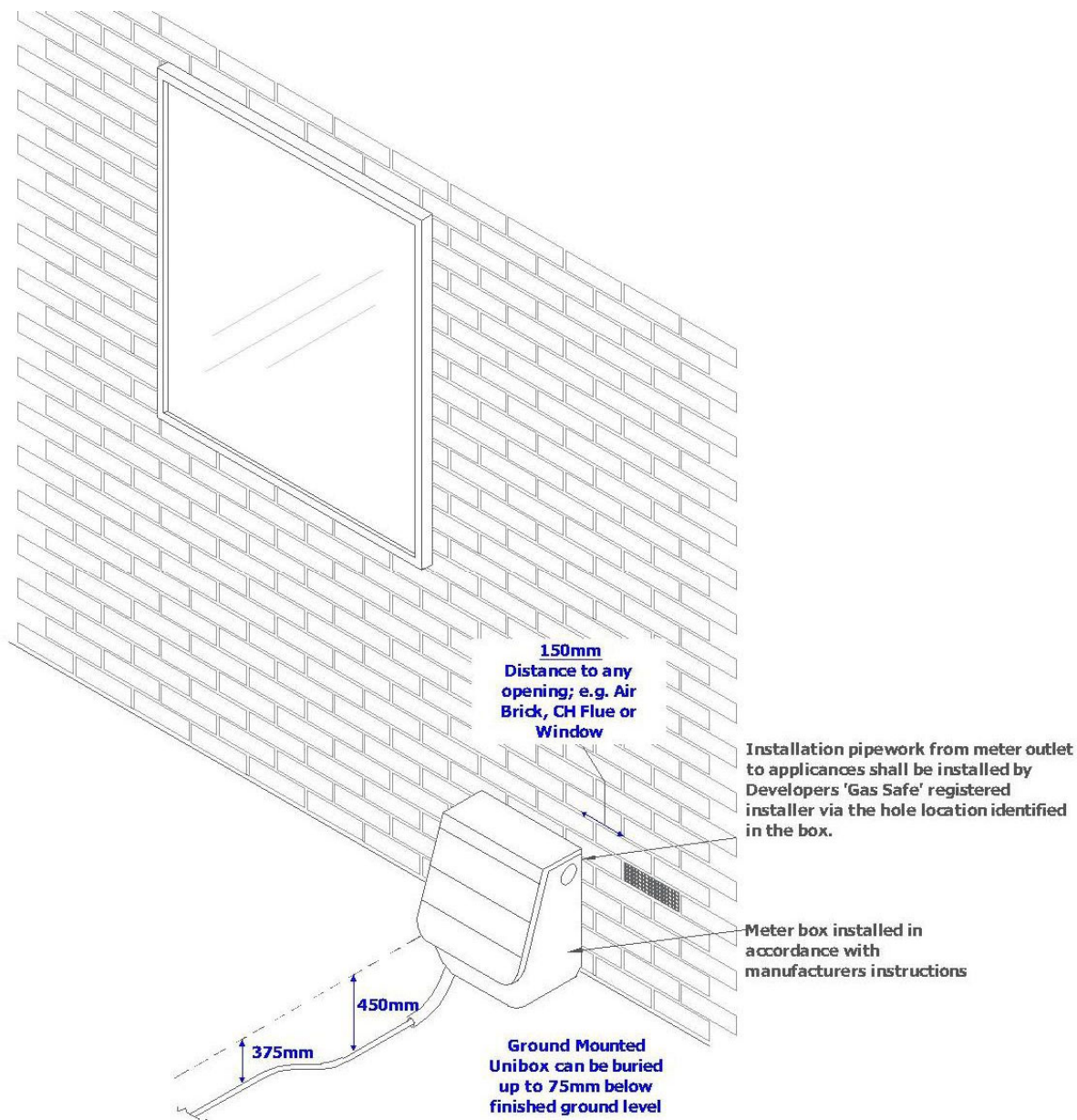
The box must be installed and secured using cement or adhesive filler. It must not be secured using screws or nails as this could allow any leaking gas to enter the cavity.

The outlet spigot must fully bridge the cavity. These boxes are only to be used for Low Pressure services. Medium Pressure meter installations require a surface mounted meter box, further advice can be provided by the GTC Project Manager.



8.4 Universal Box

The Uni-box can be partly buried at the foot of the house wall but protruding above the ground level at the wall. The depth of the box from wall is 290mm.



Fitted at ground level submerged into the ground by 75mm or fixed onto the wall ensuring the ground level is as per indicator on the box. Ensure box is supported following installation. Fit meter box lid. Route outlet pipe through right hand side of box. Make continuity bond to outlet.

To avoid any restriction of air flow, it must not obstruct air bricks and should be sited at least 150mm from any other box.

It must be secured to the wall using the spacers supplied with the meter box, wall plugs and screws.

The Unibox can be used as a surface mounted box.

