



GC5 INDUSTRIAL GAS METER HOUSING

SUITABLE FOR A U65 (G40) METER - LOW OR MEDIUM PRESSURE FROM THE MAINS

HOUSING DIMENSIONS: 1475mm wide x 750mm deep x 1350mm high

The Gas Care GC range of products incorporates ventilation and explosion relief requirements as directed by:

IGE/GM/6, IGE/GM/8 - Institute of Gas Engineers
T/SP/PRS/35 - National Grid Gas (Transco)

SPECIFICATION:

Manufactured with BS476 Part 7 Class 2 resin
Ventilation provided - 8.1% of floor area
Creep relief apertures as standard
Manufactured in glass reinforced plastic
Standard colour - British Racing Green

The installation must be carried out as approved by the qualified gas installer.

INSTALLATION SERVICE:

Refer to the drawing on the reverse of this data sheet.. The service should be installed in accordance with these dimensions allowing for the concrete base, if it has not already been cast. NB. Make absolutely sure the service has been installed in the correct position, otherwise, the meter may not fit the housing.

PREPARATION OF SITE:

We strongly advise that, for lasting durability, appearance and safety (should previously excavated soil sink) that a concrete base is provided. The concrete base can be cast before or after the service and / or outlet have been installed although it is preferable the service should already be installed. If it is necessary, confirmation should be sought from your gas shipper as to the exact meter position. If either the service or outlet are already installed, the corresponding cut out in the concrete base need not be provided. Where the meter position is against the outside wall of the property, determine where the outlet is to be run. If straight through the wall or facework along the wall, then the outlet cut out in the concrete base will not be necessary.

INSTALLATION FREE STANDING:

1. Check position of service (on left) and outlet if already installed (on right).
2. Unpack housing, unlock and carefully stand aside door. Release both draw bolts found each side of inside front, pull front slightly forward and lift off. Stand aside protecting from damage.
3. Position centrally on concrete base and mark fixing hole positions. Use 16mm drill and securely fit in position with expansion bolt fixings provided.
4. Install meter in accordance with approved practice, test, purge and commission as appropriate.
5. Refit front of housing. Check that the maincock can be operated easily and the meter read.

INSTALLATION WALL ADJACENT:

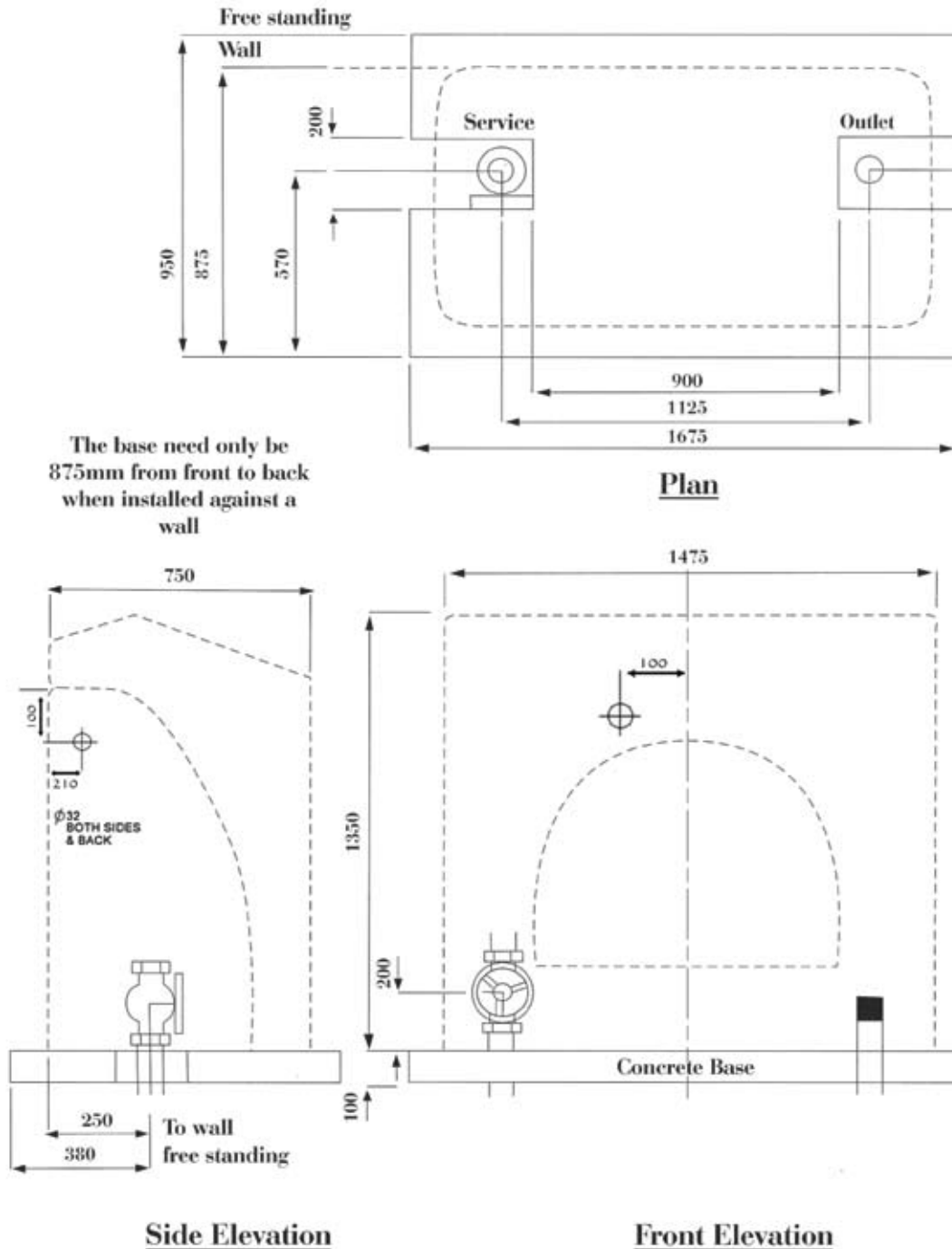
1. Check position of service (on left) and how outlet is to be run: - through the back, side or underground.
2. Unpack housing, unlock and carefully stand aside door. Release both draw bolts found each side of inside front of top cover, pull front slightly forward and lift off. Stand top cover aside protecting from damage.
3. Position centrally on concrete base and mark fixing holes in suitable positions, close to each of the four corners of the back plate. Alternatively, the base fixings may be used, providing a minimum of 25mm air space between back of housing and building is maintained.
4. If outlet is to enter building through the rear of the housing, determine position and, if appropriate, core drill through the wall, standard Nimbus or equivalent core drill size (up to 50mm sleeve 107mm, up to 100mm sleeve 178mm).
5. Ensure you have appropriate sleeve kit. Using a saw to cut clearance hole through the back of the housing to line up with that through the wall, apply a little non-setting mastic to inside of flange ring and fit sleeve through back of housing securing in position with self-tapping screws provided.
6. Reposition housing and secure back to wall through spacers. The spacers must be fitted to ensure air movement is maintained between housing and outside wall of property.
7. Install meter in accordance with approved practice, test, purge and commission as appropriate.
8. Seal annular space between outlet pipework and sleeve with non-setting mastic.
9. Refit front of housing. Check that the maincock can be operated easily and the meter read.

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Installation drawing for GC5 Housing



CASTING OF CONCRETE BASE:

Determine meter position, prepare and level site. A hardcore base below the slab, or re-inforcing within the base, is not necessary for steel case meter installations. Prepare shuttering according to the drawing. Cast base 100mm thick, checking that the finished valve position is in accordance with the drawing.