Arrow Valves Ltd

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Installation Instructions / Operating & Maintenance Manual Pillar Standpipe - SPHUD



FOREWORD

The Pillar Standpipe has a Double Check Valve assembly to prevent backflow. This is suitable for Fluid Category 3. Contact us if Fluid Category 4 or 5 protection is necessary.

The Standpipe is normally supplied with a compression fitting for MDPE pipe. Other fittings are available.

SUPPORTING LITERATURE

SPHUD Datasheet

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1.0 MOUNTING

1.1 The Standpipe can be bolted directly to a flat concrete surface with three M12 expansion bolts (not supplied). Alternatively, the unit can be bolted to the special Pile (M12 stainless fasteners supplied) – code SPPILE.

2.0 SERVICING VALVE

2.1 A servicing valve should be provided to isolate the pipe leading to the Standpipe. This allows the Standpipe to be isolated during the winter and potentially freezing conditions.

3.0 PIPE

3.1 The MDPE pipe should be laid in a 750 mm deep trench (Regulation G7.7). The pipe can then be curved according to the minimum radius.

MDPE Pipe Size	Minimum Radius
20 mm	400
25 mm	500

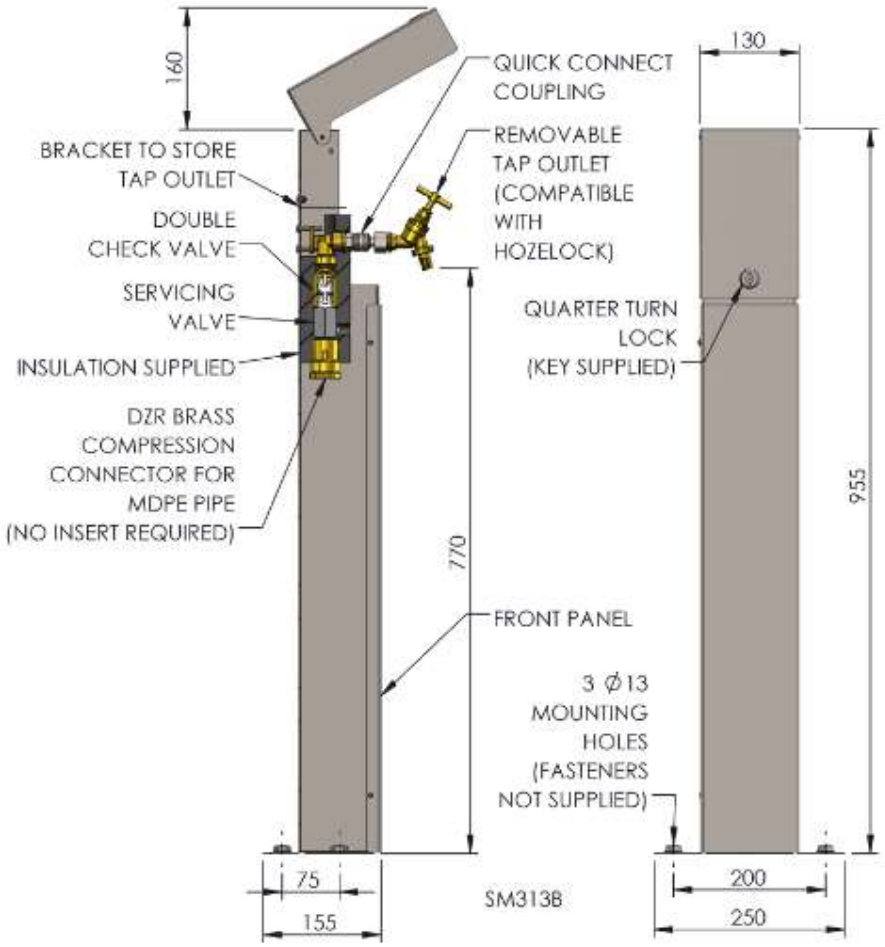
3.2 In contaminated ground (brown field sites), the water company normally requires barrier MDPE or copper pipe to be used.

3.3 Insulate the pipe and fittings above the depth of 750 mm. Some closed cell foam insulation is provided.

4.0 PILE INSTALLATION

4.1 Install the Pile in the trench to a depth where the flanges are 30 mm above the surface.

4.2 For aesthetic reasons in soft ground, the flanges may be buried up to 50 mm beneath the soil surface.



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5.0 INSTALLATION

5.1 Remove the four M5x10 button head screws from the Front Panel. Detach the Font Panel from the Standpipe Body.
5.2 Connect the supply pipe to the Standpipe. It is generally easier to make the MDPE connection before bolting the Standpipe down. Push the pipe in fully and tighten until nut is fully into the fitting. No pipe insert is required.
5.3 Bolt the Standpipe down to the surface.
5.4 Insulate all exposed parts of the pipe and fittings with waterproof pipe insulation.
5.5 Ensure the servicing valve in the Standpipe is open (slot vertical).
5.6 Reattach the Front Panel to the Standpipe Body and secure with the four M5x10 button head screws.
5.7 Appropriate backflow prevention (contact Arrow Valves for more information) must be provided. The Pillar Standpipe features a Double Check Valve and is therefore suitable for Fluid Category 3 applications. Installations in or close to a bin store for example are Fluid Category 5 and must be supplied from a Break Tank with AB air gap – contact Arrow Valves.

6.0 OPERATION

6.1 Inserting the Tap Outlet into the Tap Body automatically opens the flow of water with one simple action.
6.2 Once the tap outlet has been inserted, it is free to rotate to find the optimum position for the desired use.
6.3 Connect hose with brass “Inter-Lock” or plastic “Hozelock” connector. Note – brass type requires the release ring to be pulled back when pushing the connector in.
6.4 To open the tap, rotate the handle anti-clockwise.
6.5 When not in use, the Tap Outlet can be removed and stored on the shelf inside the Standpipe Body. Push the Tap Body towards the back of the Standpipe to release the Tap Outlet fitting.
6.6 When not in use, keep the lid closed and locked to prevent and possible waste or misuse.

7.0 FROST PROTECTION

7.1 The Standpipe is insulated, which provides a reasonable degree of protection. For potentially prolonged freezing periods – isolate the supply at source and let the Tap Outlet drain fully before removing.
7.2 Ideally the Standpipe should be isolated at source - e.g. at a servicing valve, which is frequently inside a building. If this is not possible, isolate using the Standpipe’s internal servicing. Rotate the valve ¼ turn clockwise with a screwdriver.
7.3 For use in freezing conditions – the Standpipe should be appropriately trace heated.

8.0 SPARES

8.1 Please contact Arrow Valves for any spares required on 01442 823123 or online at www.arrowvalves.co.uk.

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