



Installation Instructions/ Operating & Maintenance Manual Standpipe - SPED

Refer to Datasheet – Standpipe - model SPED

FOREWORD

Model SPED 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.

MOUNTING

The Standpipe can be bolted directly to a flat concrete surface with three M10 or M12 expansion bolts (not supplied). Alternatively the unit can be bolted to the special Pile (M12 stainless fasteners supplied) – code - SPPILE.

SERVICING VALVE

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.

PIPE

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
32 mm	640

Cable ties are provided to secure the pipes (covered with insulation) to the back of the Pile. There are holes in the Pile for the ties.

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

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

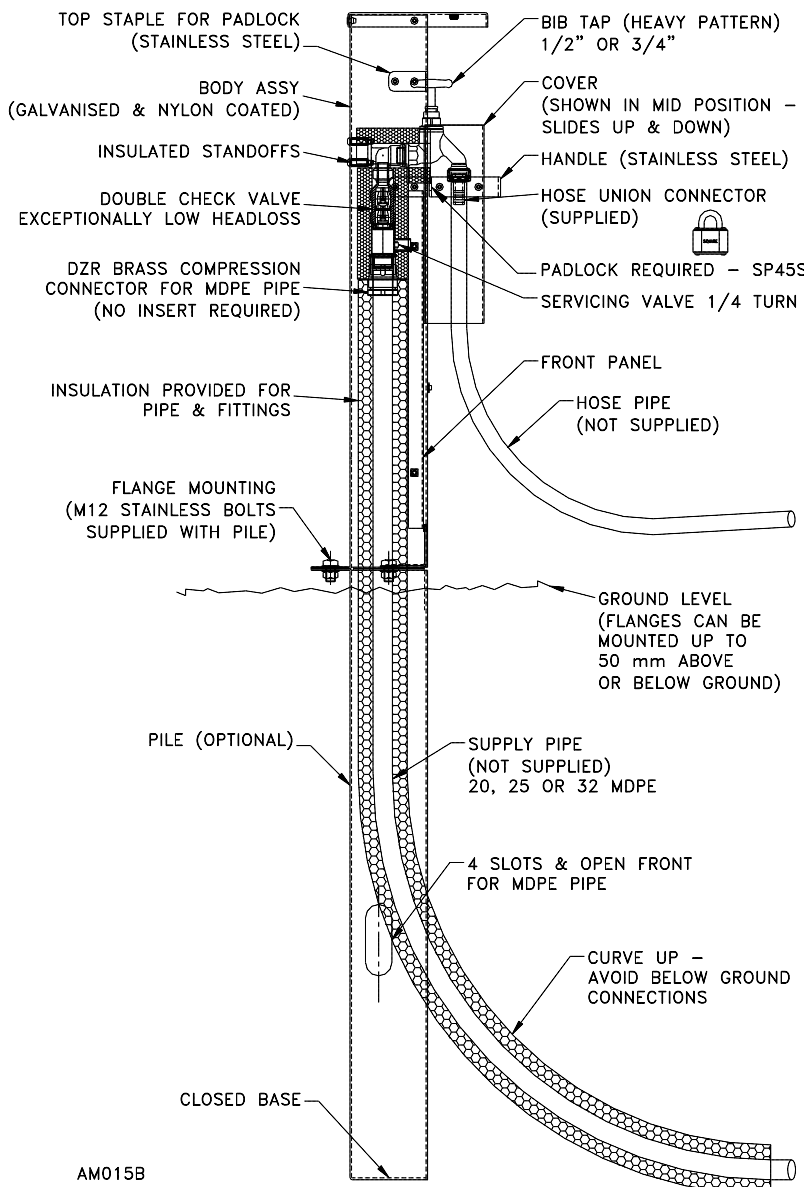
PILE INSTALLATION

Install the Pile in the trench to a depth where the flange is 30 mm above the surface but for aesthetic reasons in soft ground, the flanges may be buried up to 50 mm beneath the soil surface.

2-PIPE TEE ASSEMBLY

Where the Standpipe is to be connected to a ring circuit, they can be “daisy chained” by using the “2-Pipe Tee Assembly. The two MDPE pipes should curve up to about 100 mm above the surface. Fit the Tee assembly before fitting the Standpipe – this allows access for tightening compression nuts. Push the pipes in fully and tighten until nut is fully into the fitting. No pipe inserts are required. Measure the length of single pipe required to reach the inlet fitting in the Standpipe. Fit this to the Tee assembly.

Operating & Maintenance Manual – Standpipe SPED – Arrow Valves



STANDPIPE

Remove the 4 cross head screw from the Front Panel. Push panel in, drop down and then withdraw the top corner diagonally.

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.

Bolt the Standpipe down to the Pile or surface.

Insulate all exposed parts of the pipe and fittings with waterproof pipe insulation.

Remove the cable tie or wire securing the cover. Hold the handle –

! Warning – Cover will drop down unless held by handle

Fit the Padlock (normally supplied).

Ensure the servicing valve in the Standpipe is on (slot vertical). The Servicing valve is accessed through the top hole of the front cover.

FROST PROTECTION

The Standpipe is insulated, which provides a reasonable degree of protection. For potentially prolonged freezing periods – isolate the supply at source and leave the Bib Tap open. Frequently the Standpipe application may be summer only (e.g. irrigation) and it is recommended the unit be isolated and the left with the Bib Tap open after the summer.

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. Insert a screwdriver through the top hole in the front cover and rotate ¼ turn clockwise.

For use in freezing conditions – the Standpipe should be appropriately trace heated.

SPARES

Please contact us for any spares required.