**Standpipe Assembly - Model SPED – Tamperproof Hose Bib Tap Category 3 - Datasheet – Page 1 of 2**

**Description**
Tamperproof Standpipe enclosure with Hose Union tap for a hose pipe where the risk is Fluid Category 3.

When closed, the Standpipe conceals the tap and hose connector. Tamper-proofing is achieved using the optional padlock. The Standpipe has two operating positions; mid-position - front cover slides down to expose the Hose Union tap leaving the hose connection concealed, and lower-position - front cover slides down further when filling buckets. For taller version with retractable shelf for supporting a bucket – see “WaterPoint” - model SPWP. The hose can be left connected in all positions. A Padlock is required to secure the cover in the top (shut) and mid positions.

The robust galvanised steel housing provides a degree of frost protection. All panels are nylon powder coated dark green, whilst the handle, staples and fasteners are stainless steel.

The Standpipe is supplied fully assembled and tested. A DZR Brass fitting for MDPE is included and all serviceable components are accessible from the front.

The Standpipe can be bolted to a concrete floor or mounted on the optional “Pile”. The galvanised Pile can be buried in soft ground or in an area to be subsequently concreted. M12 stainless bolts are provided to bolt the Pile and Standpipe together. The mating flanges would normally be positioned 30 mm above ground but for aesthetic reasons in gardens the flanges may be buried up to 50 mm beneath the soil surface.

The Standpipe features a low loss Double Check Valve providing Fluid Category 3 protection and affords a good flow even in low pressure areas by virtue of high-flow cartridges. In potentially prolonged freezing conditions - isolate supply at source - and leave tap open.

**Connection Pipes**
The supply pipe should be laid 750 mm below ground (G7.7). The pipe has several slots to allow MDPE pipes to be curved up (radius 20D), thus avoiding underground connections.

The Pile and Standpipe can accommodate two pipes; thus allowing the supply to continue to other Standpipes or fittings. Again all the connections for the Tee are above ground and serviceable - use the optional “2-Pipe Tee Assy”. In polluted ground areas plastic pipe without barrier should not be used. Compression connections for copper tube available.

**Specification**

| Pressure Supply  | 10 bar max. |
| Supply Size      | 20, 25, 32 MDPE (15, 22, 28 Cu) |
| Outlet tap       | ¾” Male if fitting removed |

The Standpipe and MDPE connectors are provided via a Break Tank with Type AB air gap. For Category 5 risks (waste bin washing, farm yards, abattoirs, etc) the Standpipe should be supplied via a Break Tank with Type AB air gap - see BTAB pump set. The local water supplier should be consulted regarding the level of protection required.

**Water Regulations**
The assembly complies with the requirements of the new Water Regulations when installed and used correctly. The Double Check Valve assembly (type ED132) fitted provides adequate protection against Fluid Category 3 risks - these risks are largely domestic. For commercial applications, use model SPBA, which affords Fluid Category 4. For Category 5 risks (waste bin washing, farm yards, abattoirs, etc) the Standpipe should be supplied via a Break Tank with Type AB air gap - see BTAB pump set. The local water supplier should be consulted regarding the level of protection required.

**Applications (Fluid Categories 1 – 3)**
- Private, residential & public gardens
- Retail parks
- Golf courses & bowling greens
- Caravan sites
- Garden centres (can be Fluid Category 4)
- Marinans (often Fluid Category 5 for large craft)
- Schools & car parks
- Garages & vehicle washing (often FC 4 – see SPBA)

**Materials**

- Standpipe and Panels: 2 mm steel – galvanised & powder coated nylon dark green RAL6005
- Pile: 2 mm steel – galvanised hot dip DZR brass (no insert required)
- MDPE Connectors: Stainless steel A2
- Fasteners & Handle: DZR brass
- Double Check Valve: Forged brass
- Bib Tap BS1010/2: 2 mm steel – galvanised dark green RAL6005

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Standpipe Assembly - Model SPED – Dimensions - Datasheet – Page 2 of 2

Options
- Pile for mounting Standpipe in soft ground
- Rustproof padlock c/w 2 keys or combination
- 2-Pipe Tee Assy (20 or 25 MDPE connection)
- Powder coating (nylon). Standard colour - dark green. Others available. Special order, min qty 10
- Complete units in stainless steel - special order, min qty 10
- DB Pipe Interrupters (for porous hoses)
- Below ground servicing valve
- Below ground servicing valve and Water Meter
- Standpipe trace heating

2-Pipe Tee Assy
This assembly allows two pipes to be connected to the Standpipe. Thus enabling “daisy-chaining” to additional standpipes and avoid underground connections. The unit fits inside the Standpipe and is accessible through the front panel. Features DZR brass O-ring and grab ring fittings.

Hose Connectors
The DN15 and DN20 Standpipe is supplied with the corresponding hose connector as standard. The common ½” thread on the outlet of the ⅜” and ½” Bib Tap allows a ¾” hose connector to be fitted to the ⅜” tap and vice versa.

Servicing Valve Below Ground
- with Optional Meter
Effective frost protection for the winter can be achieved with this below ground servicing valve, which should be closed and the standpipe tap left open. The code for this unit when supplied with a volumetric water meter – BVBGMsize.

Long water box key – code BVBGKEY – allows access to below ground servicing valve.

For winter use, the Standpipe can be manufactured with trace heating – code SPTH.

Even if ordered without meter (meter connection is blanked off with a disc), the facility remains for a concentric water meter to be fitted later in-situ – code BVBGsize.

Codes and Descriptions

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
<th>Description</th>
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<tr>
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<td>SPED15x20</td>
<td>½” Standpipe Assy Cat 3 c/w 20 MDPE Inlet</td>
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<td>½”</td>
<td>SPED15x25</td>
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<td>SP25TEE</td>
<td>2-Pipe Tee Assy for 25 mm MDPE</td>
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<td>Pile for Soft Ground c/w M12 SS Fasteners</td>
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<td>SPTH</td>
<td>Standpipe Trace Heating Self Regulating</td>
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Notes
To specify an alternative inlet size, replace the last two digits.
SPED15x15 is a ½” (DN15) Standpipe with 15 mm copper compression inlet.
A Padlock is required to hold the cover in the top and mid positions.

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