



# WATER METER VAULT BODY

## DN 1200, DN1200/1400

for installation of water meters

### TYPES:

- DN 1200
- DN 1200/1400 (with chamber extension)

### MATERIAL:

- polyethylene

### HEIGHT:

- H = 1800mm

### STANDARD KITTING:

- Vault body
- Class A15 watertight PE cover
- rubber gasket under the cover

### ADVANTAGES

- Protects the valves and water meter(s) against freezing down to -30°C outdoors
- The leak-tight body and cover protect against infiltration of ground and rain water
- Good service access to valves and fittings through the maintenance shaft
- May accept more than one water meter
- Versatile: the vaults can also be used for holding of household sewage (if installed upright) or rain water.





### TECHNICAL SPECIFICATION

DN 1200 water meter vault bodies are made by rotomoulding and 1800 mm high.

They are intended for housing water meters (or water meter units), water valves and fittings, and measuring instruments on the service connections leading to water mains consumers.

The DN 1200 size vault consists of a 1200 mm diameter polyethylene body with a flat bottom.

The bottom is braced to be stiff by appropriately designed ribbing, which prevents it from deforming under groundwater pressure. The body is corrugated to ensure adequate stiffness and good anchorage in the ground. The body has upright flats to receive inlet and outlet pipes with diameters of Ø 32 mm to Ø 110 mm (up to 160 mm in the lower part) sealed by coupling gaskets.

The DN 1200/1400 size vault features additional extension chambers in the lower part of the body, which makes

it possible to use it as a functional equivalent of a 1400 mm diameter vault (and an inlet pipe up to DN 200 can be connected).

The upper part of the body ends with an eccentric cone reducing the diameter of the vault from DN 1200 to the diameter of the maintenance shaft, DN 600.

The body is closed at the top with a watertight cover that is filled with thermal insulation. The cover can withstand a maximum vertical load of 15kN, which allows installing these vaults in green areas and road lanes rated up to Class A loads (PN-EN 124). If higher loads are present, sufficiently load-rated seating ring and cover must be used. The decision to install the vault in a road lane is with the project designer, road administrator, or the future user of the site.

The PE cover is fitted with a rubber gasket to seal the gap between the cover and the top of the shaft. The cover can be provided with an optional lock (available on request).

The vault trim does not include any valves or fittings to facilitate water meter installation or pipe inlet or outlet ports. The pipe inlet and outlet ports can be manufactured on customer's request.

The vault is provided with steps to facilitate access to the water meter unit which is installed 200-300 mm above the vault bottom, by which the vault can be installed in locations where overground temperatures may reach down to -30°C.

Strictly follow the vault installation and operating manual.

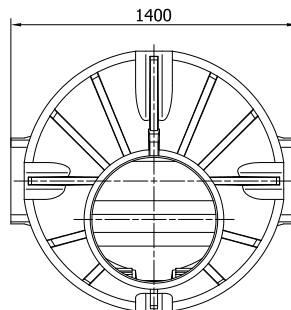
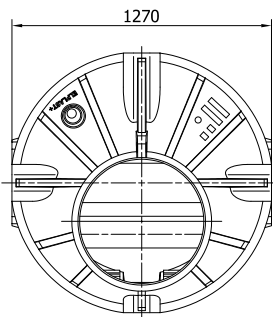
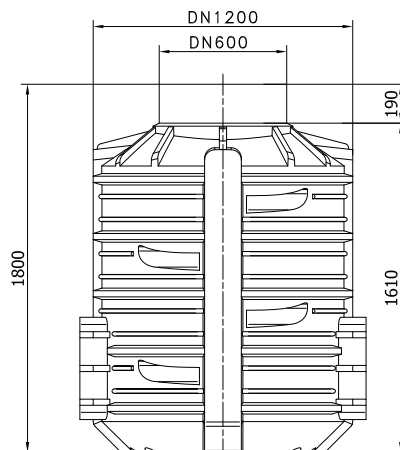
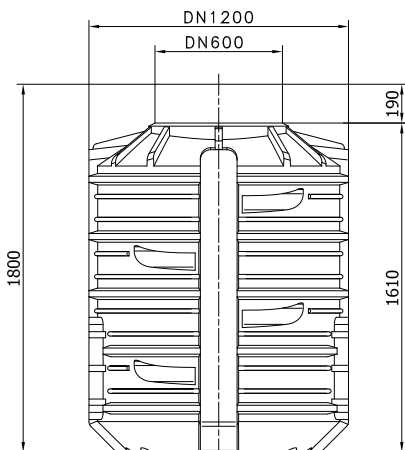
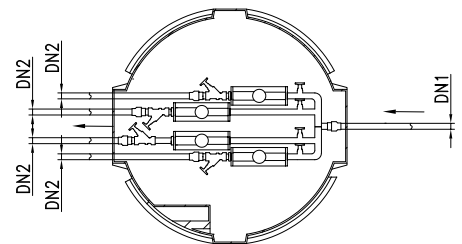


FIG. 1 DN 1200 water meter vault

FIG. 2 DN 1200/1400 water meter vault



Installation example for 4 water meters in a DN1200 vault



Half-union



Vault interior