

shall be provided inside the same room or cabinet in order to isolate that group of Water Meters. Where a drain valve is required, it shall be installed immediately downstream of the meter.

- 4.30 Pipework shall be firmly fixed to prevent movement of the flexible joints within the meter assembly. Adhesive or plastic clamping is not permitted.
- 4.31 Meters can be fixed horizontally or vertically so long as they are designed to operate in such orientation and depending on the meter's nominal diameter. Meters of 40mm and larger are generally installed horizontally or according to the Distribution Company's requirements and manufacturer's recommendations.

Grouping of water meters

- 4.32 Water Meters can be installed in groups of not more than 20 meters.
- 4.33 Centre-to-centre spacing of meters shall not be less than 170mm for meters less than 40mm in diameter.
- 4.34 Multi-meter cabinets can be used with the approval of the Distribution Company, provided the size is increased to accommodate all the meters. Centre-to-centre spacing of meters should not be less than 170mm, and the clearance from the edge of the meter to the cabinet side not less than 100mm.

Pressure-reducing valves

- 4.35 Pressure-reducing valves (PRV) shall be used on the upstream side of the meter if the pressure at that point is likely to exceed 2 bar, or as specified by the Distribution Company.
- 4.36 Where required, one pressure-reducing valve shall be installed for each group of meters located in each floor of the building. This generally applies to the floors where pressure in the riser pipe feeding individual Customers exceeds 20m water head (2 bar). If the pressure is between 20 to 30m water head (2-3 bar) then a by-pass line fitted with a gate valve shall be provided for each PRV. If the pressure is greater than 30m water head (3 bar) then a by-pass line fitted with a PRV and gate valve on either side shall be provided. The gate valves on by-pass lines shall be normally closed.
- 4.37 Each pressure-reducing valve shall have a quick-isolation valve on either side and shall have provision for both a pressure gauge connection and a drain cock.
- 4.38 Pressure-reducing valves may be installed inside the meter cabinet or room.
- 4.39 The diameter of the distribution pipe from overhead tanks to consumers shall be gradually reduced if the height of the tanks above kerbstone level is more than 50 metres.