

- 2.49 The method of backflow prevention and the type shall be in accordance with BS EN 806-1, BS EN 806-2, BS EN 806-3, BS EN 806-4, BS EN 806-5 and BS 8558:
- (a) where it is necessary to prevent backflow between separately occupied Premises; or
 - (b) where the Distribution Company or Bureau or person authorised in accordance with these Regulations has given notice that such prevention is needed for the whole or part of any Premises.

Provision of Servicing Valves

- 2.50 Inlets to all float-operated valves and all cisterns should be provided with a Servicing Valve to facilitate maintenance.
- 2.51 Servicing Valves should be fitted as close as is reasonably practicable to float-operated valves or the other inlet devices of an appliance.
- 2.52 Servicing Valves may be of the screw-down or spherical type.

Float-operated valves

- 2.53 Float-operated valves and other fittings for controlling flow to cisterns or tanks should:
- (a) be capable of controlling the flow of water into any cistern or apparatus and, when closed, be watertight and remain watertight;
 - (b) incorporate, as applicable, a renewable seat and a washer which are resistant to both corrosion and erosion by water, or have some other no less effective valve closure assembly;
 - (c) as applicable, have a float which is constructed of a non-corrosive material capable of withstanding without leaking any water temperature in which it operates or is likely to operate, and have a lifting effort such that when not more than half immersed, the valve is capable of drop-tight closure against the maximum operating pressure at that elevation in the building; and
 - (d) when acting via an operating lever, and when the valve is closed, withstand without bending or distorting a force twice that to which it is ordinarily subject and, in the case of a 15mm size valve, be constructed so that the water shut-off level may be altered or adjusted without bending the float lever.
 - (e) preferably, the level in the Roof Tank should be controlled by an electric float switch in order to alleviate any water hammering effect on the transfer pump and Water Fittings downstream of the pump.
- 2.54 Float-operated valves which are subject to hot water at the inlet should be constructed of materials capable of withstanding, without leaking, any ordinary operating water temperature to which they are likely to be subjected. So far as is reasonably practicable, their operation should not be prevented or impaired by scale.