Pressure Equalising Valve

A piston operated valve which automatically balances unequal pressures. Suitable as retrofit on supply to manual showers.

Product Features and Benefits

- Pressure sensitive piston provides perfectly balanced water flow pressures even when system conditions are unstable.
- Pressure balanced temperature control upgrades existing manual shower installations to TMV2/BS EN 1287 level, complying with NHS Estates TMV2 requirements.
- Design makes it ideal for retro-fitting to installations where site pressures are likely to fluctuate.
- 15mm compression fittings make for easy installation.
**Pressure Equalising Valve**

**Description**
The pressure equalising valve is designed to supply both hot and cold water to outlets at equal pressures regardless of any water supply pressure fluctuations. It achieves this by means of a nylon plastic piston and diaphragm assembly, which automatically adjusts the higher pressure down to the lower pressure resulting in a constant pressure at the outlet. Made from nickel plated DZR brass the equalising valve is both compact and robust.

**Product Range**
EQVL 552 001: 15mm Pressure Equalising Valve

**Applications**
Suitable for use with manual mixing showers to convert them to pressure balanced temperature control valves, upgrading performance to TMV2/BS EN 1287 level. Can also be used with thermostatic bath or shower mixers, single lever mixers, bidet mixers, for extra fine control of thermostatic mixing valves and any other process which requires constant water pressure to achieve a stable temperature. Suitable for hot and cold water systems operating between 0.3 bar and 10 bar dynamic pressures such as combination boilers, gravity fed hot or cold water supplies as well as mains pressure systems. Ideal for use in nursing homes, hospitals, hotels, sports clubs, private homes etc.

**Typical Installation**

- The valve can be installed vertically or horizontally and any distance before the mixer, provided it supplies only ONE outlet.
- The valve should be positioned where it is accessible should cleaning or maintenance be necessary.
- Install before the mixer or taps.
- The hot and cold supplies can be connected to either inlet of the valve, but the direction of flow of the valve must be adhered to.
- It is strongly recommended that a filter is fitted to the inlets to obtain maximum benefit (Reliance® Protecto™ YC line strainer - LINS 400 101)

**Specifications**
- Operating pressures: 0.3 bar min. 10 bar max.
- Hot water temperature: 80°C max.
- Cold water temperature: 5°C min.

**Materials**
- Body: DZR brass
- Spring: Stainless steel
- Piston and diaphragm: Nylon plastic
- Seat: Acetal polymer

**How to Specify**
A piston operated valve that balances the supply pressures in hot and cold water systems and can be used to upgrade manual mixers and showers to NHS Estates TMV2 performance. The valve shall reduce the higher supply pressure to be the same as the lower pressure under flow conditions. (Include correct product range code).

**Guarantee**
All Reliance® products undergo strict performance tests prior to despatch, and are guaranteed against faulty materials and workmanship for one year from date of purchase. This is in addition to any statutory rights.

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