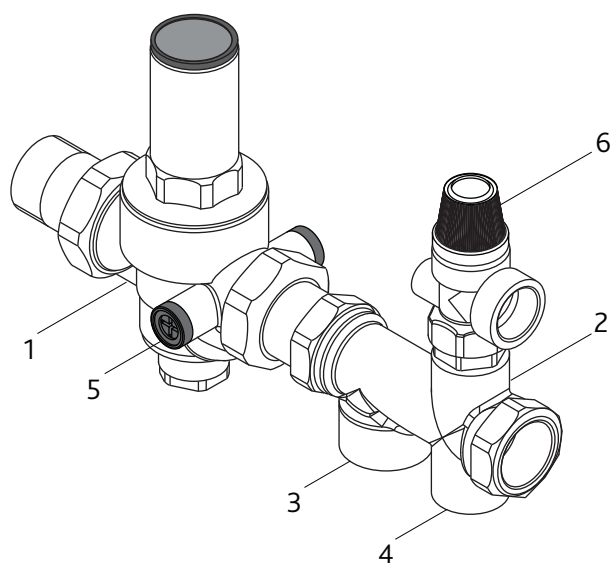


Series 536 combined PRV and cold fill 2 part manifold assembly



Item	Component
1	Pressure Reducing Valve
2	Manifold Assembly
3	22mm Balanced Take Off
4	Connection for Vessel
5	Gauge - PT Point
6	Safety Relief Valve

Max. working temperature: 80°C
Max. working pressure: 10 bar

Function

Pressure reducing valves (PRV) are installed in domestic water systems to reduce and stabilise the inlet pressure from the mains supply, which is generally too high and variable for domestic appliances to function properly.

Description

The unit comprises of two parts, a pressure reducing valve and a manifold containing a check valve, a cold water balancing port and a preset pressure relief valve.

They can be fitted together or as separate units, either horizontally with the spring chamber of the PRV upper most or vertically with the PRV always first in line.

Installation

Carefully follow these instructions and ensure that the installation conforms to the Water Regulations.

Ensure that sufficient water pressure and flow rate are available.

Open fully all taps before installing the unit to flush the system and expel any air remaining in the pipes.

NOTE:

If this is used as a replacement part on an unvented hot water storage cylinder please ensure that the pressure setting of the reducing valve and expansion relief valve match the specification of the cylinder manufacturer – incorrect installation may cause injury or damages.

It is recommended that isolating valves are installed upstream and downstream to facilitate any future maintenance.

Install the PRV and manifold with the embossed arrow pointing in the direction of flow.

The black plugs are a connection for a pressure gauge, which is available when specified.

Rotate the pressure relief valve to the required position.

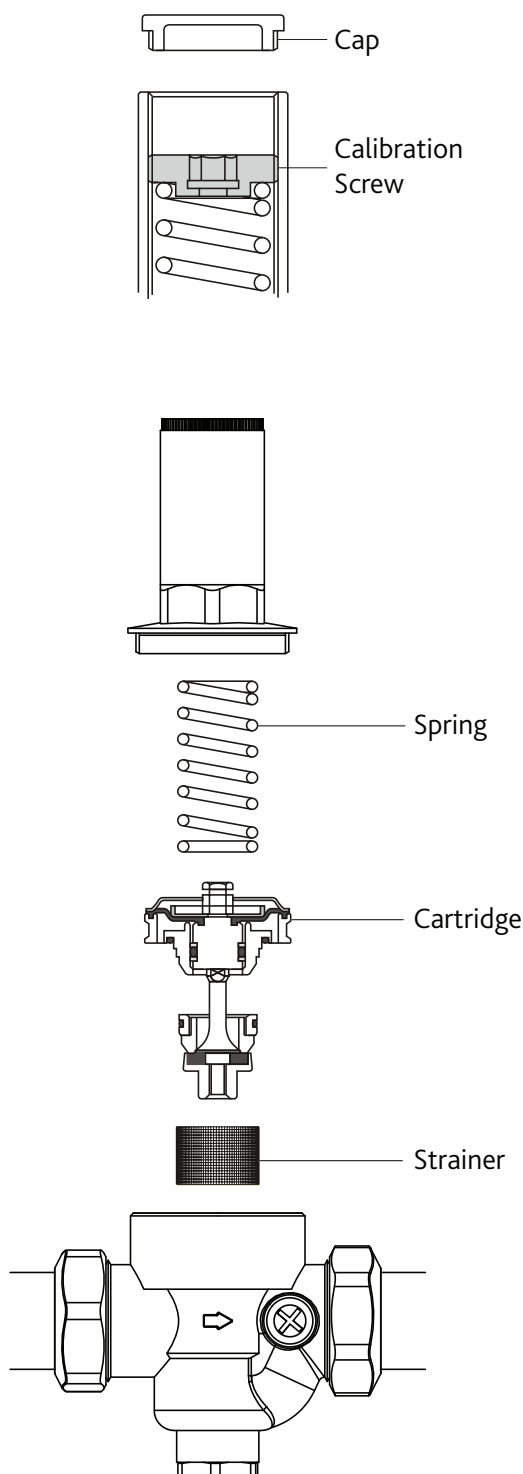
Ensure that the pressure relief valve discharge pipework has a continuous fall and terminates in such a position as not to cause injury.

The manifold contains a check valve and may be used as a balanced cold water supply. If not used fit a blanking piece. (Not supplied)

The connection on the manifold is used when an expansion vessel is required or may be used for a drain off. If not used fit a blanking piece. (Not supplied)

Due care should be taken to ensure that all joints are water tight, however excess force may damage the plastic plug which are factory fitted to the valve body if these plugs are subjected to excess force

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Calibration

Close the downstream isolating valve.

Unscrew the cap and using an Allen key adjust the outlet pressure by turning the calibration screw in the centre of the cover.

Rotate it clockwise to increase the outlet pressure and anticlockwise to reduce it.

Maintenance and Servicing

Under normal circumstances the unit should not require any maintenance, but regular inspection and cleaning is recommended.

Isolate the water supply to the pressure reducing valve.

Remove the cap and using an Allen key rotate the central calibration screw anticlockwise to decompress the spring.

Note: Caution should be exercised when disassembling the unit.

Remove the cover using a spanner on the hexagon faces.

Extract the cartridge with the aid of long nosed pliers to grip the head of the set screw.

Remove the strainer element.

Clean the strainer element and cartridge under clean running water.

If the strainer or cartridge are damaged replace.

Refit the strainer, cartridge and cover.

Turn on the water supply and check for leakage.

Re-calibrate the pressure reducing valve.

E & O.E

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