

Adjustable Safety Relief Valve

Series 80 - right angle type

The purpose of the pressure relief valve is to open automatically at a pre-set pressure to prevent equipment failure and for the safety of personnel. They are also fitted downstream of pressure reducing valves as a backup safety measure.

For effective operation, the Series 80 valve should be set at least 10 percent above the normal working pressure. If the set pressure is too close to the working pressure, the valve will relieve unnecessarily when any fluctuations in line pressure occur.

Features

Various springs available to cover different setting ranges

Easily adjustable with minimal tools required

The spring is encased in a dry chamber separate from the discharge chamber

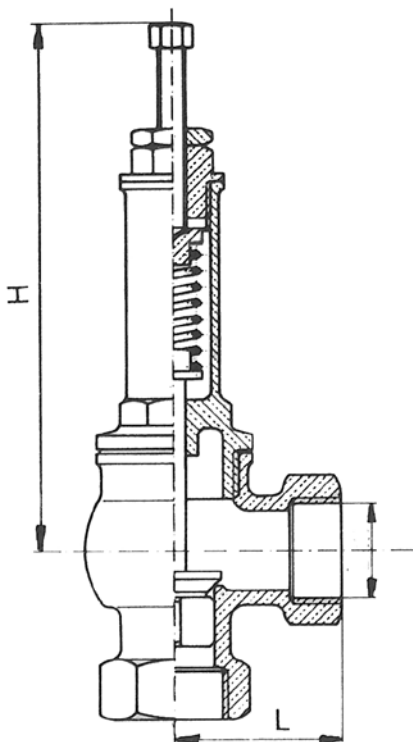
Installation Tips

These valves must be installed in a vertical position.

An arrow indicating direction of flow is denoted on the body.

The drain pipe should be properly supported to avoid undue torque on the body.

It is preferable for the drain pipe to be inclined downwards to direct fluids away from the valve to avoid backflow and a change in setting pressure.



Materials

Bronze body and brass bonnet standard

Stainless steel springs and stainless steel seats and discs are available

Specifications

Media

Water, Air & Steam

Temperature

-10 °C to +220 °C

Max Pressure

1600kPa

Dimensions and standard spring setting range

Size	Setting Range	Length	Height	Weight (kg)
15mm	500-1600kPa	35	100	0.39
20mm	500-1000kPa	42	125	0.63
25mm	300-1600kPa	46	135	1.00
32mm	400-1000kPa	55	155	1.45
40mm	500-1000kPa	67	170	2.10
50mm	500-1000kPa	74	185	3.25