

Pressure Reducing/ Relief Valves

Description

Pressure Reducing Valve

Our Pressure Reducing Valve , which is UL labelled and listed, is ideal for automatically reducing a higher inlet pressure to a steady lower discharge pressure, regardless of fluctuations in flow or inlet pressure. The valves are based on the 106-PG control valves and are available in a complete range of sizes from 2 in / 50 mm to 8 in / 200 mm. In typical pressure reducing applications, the globe style 106-PR-10159 is often the preferred valve style.

Pressure Relief Valve

The pressure relief valve, which is UL / FM labelled and listed, automatically relieves excess pressure in the fire protection system to discharge. The RPS series valves will also automatically modulate to relieve excess pump capacity during pump start up and shut down, allowing the pump to operate without causing surges. These relief valves are based on the 106-PG or A106-PG main valves and come in complete range of sizes from 2 1/2 in / 65 mm to 8 in / 200 mm. In typical pressure relief application, the angle style A106-RPS-8700 is often the preferred selection.



Features

- ✓Reliable diaphragm actuated
- ✓Hydraulically operated design
- ✓Class 150 and 300 flanges
- ✓Stainless steel fasteners
- ✓Heat fused red epoxy coating
- ✓Available in globe and angle style



Valve Function

Pressure Reducing Valve	<ul style="list-style-type: none">✓ Reduce higher inlet pressure to constant lower outlet pressure (adjustable)✓ Electrical on/off override of reducing function✓ Closes quickly when outlet exceeds set point of surge control (adjustable)
Pressure Relief Valve	<ul style="list-style-type: none">✓ Maintain constant upstream pressure (inlet to valve) by relieving excess pressure✓ Solenoid provides electrical on/off override of relief/sustaining function

Approvals

Pressure Reducing Valve	UL and ULC listed to ANSI/UL 1468, 1739
Pressure Relief Valve	UL listed to ANSI/UL 1478A FM approved to FM 1361