



## Pressure Relief Valve Fig.55L-60

### Product Description

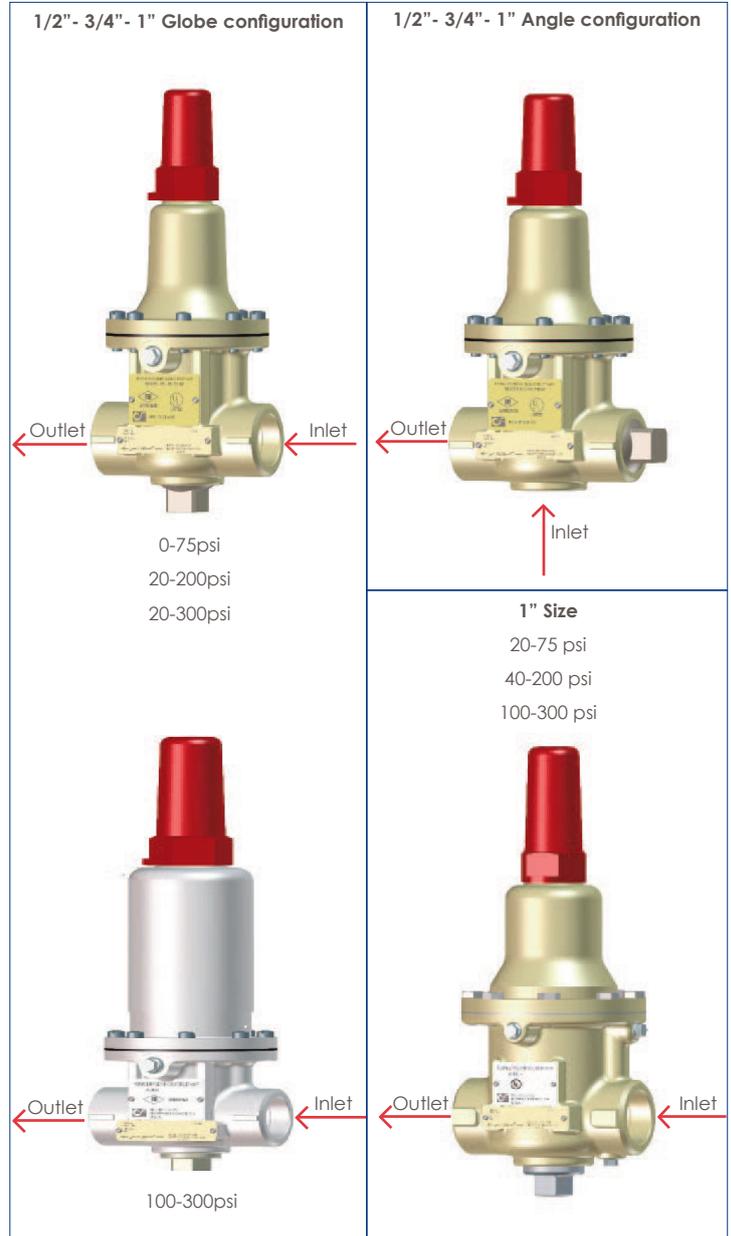
The Model 55L-60 (UL Listed, FM Approved) Pressure Relief Valve is a direct-acting, spring loaded, diaphragm type relief valve. The valve may be installed in any position and will open and close within very close pressure limits. The bottom plug may be removed and installed in the inlet to convert it to an angle pattern flow path.

The Model 55L-60 is normally held closed by the force of the compression spring above the diaphragm. When the controlling pressure applied under the diaphragm exceeds the spring setting, the disc is lifted off its seat, permitting flow through the control. When control pressure drops below the spring setting, the spring forces the control back to its normally closed position. The controlling pressure is applied to the chamber beneath the diaphragm through an internal passage. A gauge port is provided for accurate pressure setting.

Pressure adjustment is done by turning the adjusting screw to vary the springload on the diaphragm. The 55L-60 is available in pressure ranges suited to agency approval tests. To prevent tampering, the adjustment cap can be wire sealed by using the lock wire holes provided in the cap and cover.

### Features

- Sizes 1/2" and 3/4" are UL Listed and FM Approved for use as Fire Pump Casing Relief Valves
- The 1" model is UL Listed for use as a Fire Pump Casing Relief Valve.
- Direct Acting - Precise Pressure Control.
- Drip Tight Closure
- No Packing Glands or Stuffing Boxes
- Globe or Angle configurations available
- Sensitive to Small Pressure Variations
- Meets low lead requirements
- Available in Cast Bronze, 316 Stainless Steel, monel & Super duplex Stainless Steel



Manufactured by CLA-VAL who hold UL Listing and FM Approval.

DS: 1.120  
Issue A  
12/01/2023  
© 2023 Rapidrop

Rapidrop Global Ltd  
T: +44 (0) 1733 847 510 F: +44 (0) 1733 553 958  
e: rapidrop@rapidrop.com  
w: www.rapidrop.com



# Pressure Relief Valve Fig.55L-60

## Specifications.

Size	1/2", 3/4" and 1" Threaded NPT
Temperature range	Water, Air: to 82°C (180°F) Max.
Materials	<b>Body and Cover:</b> - Cast Bronze UNS C87850 -Standard - Stainless Steel AS TM A743-CF-16F - Monel - Super Duplex Stainless Steel <b>Trim:</b> - Stainless Steel 303 - Monel <b>Rubber:</b> - Rubber: Buna-N® Synthetic Rubber
Pressure rating	20.7 bar (300 psi)
Adjustment Ranges UL Listed	10 to 75 psi, 20 to 200 psi 20 to 300 psi & 100 to 300 psi
Adjustment Ranges FM Approved	0 to 75 psi, 20 to 200 psi, 20 to 300 psi & 100 to 300 psi

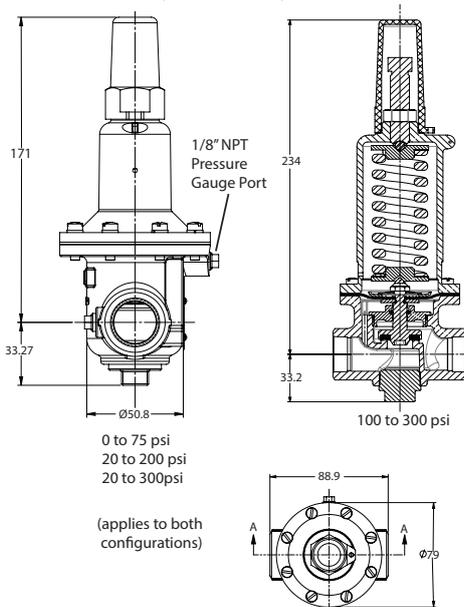
## Pressure Drop Chart (fully open valve)

Valve size	CV factor	Max Flow (GPM)
1/2"	6	25
3/4"	8.5	40
1"	12.8	65

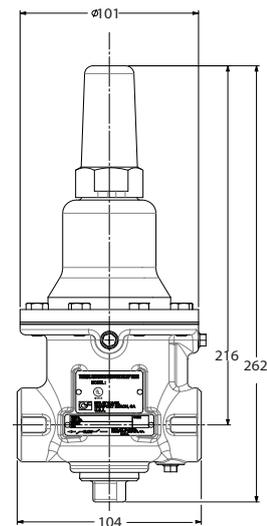
## Standard Set Points. (1/2", 3/4", 1")

Range	0 - 75psi	20 - 200 psi	20 - 300 psi	100 - 300 psi
Set Point	50 psi	60 psi	60 psi	100 psi

Dimensions (1/2" and 3/4")



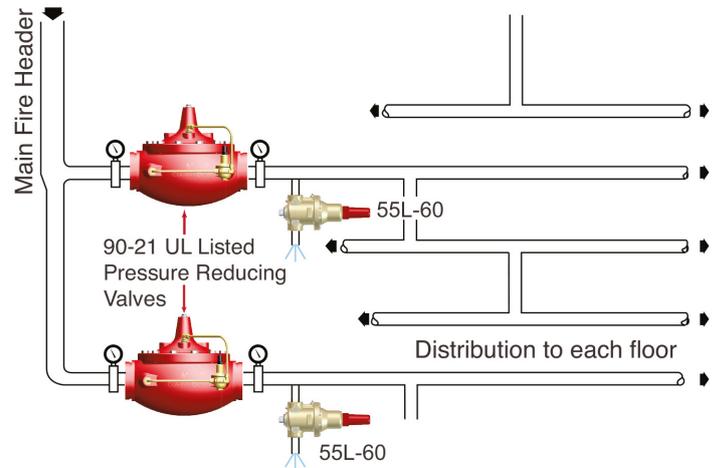
Dimensions (1")  
Spring Range:  
20-75  
40-200  
100-300



## Typical System Application

The model 55L-60 is typically used in a fire protection system to trim water pressure, thus preventing pressure buildup whenever line pressure exceeds the setting of the spring. The 55L-60 will relieve excess pressure to atmosphere to prevent damage to the distribution network.

NOTE: Model 55L-60 is not suitable for discharging the full-rated pump capacity of a fire pump. See Model 50B-4KG1 Fire Pump Relief Valve for such applications.



Manufactured by CLA-VAL who hold UL Listing and FM Approval.