



— MODEL — **55L-60**

Pressure Relief Valve/ Pump Casing Relief Valve



Available in a wide range of materials including nickel aluminum bronze and stainless steel.
Certified to meet low lead requirements

- **UL Listed**
- **Factory Mutual Approved**
- **UL Listed/FM Approved for use as a fire pump casing relief valve**
- **Direct Acting - Precise Pressure Control**
- **Positive Dependable Opening**
- **Drip Tight Closure**
- **No Packing Glands or Stuffing Boxes**
- **Sensitive to Small Pressure Variations**

The Cla-Val 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 spring load 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.



Fire Protection System Service
The **Model 55L-60** is typically used in a fire protection system to trim water pressure, thus preventing pressure build-up 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.

Typical Application for Fresh Water or Seawater Service



Fire Pump Casing Relief Valve

Specifications

Size 1/2" & 3/4" Threaded NPT
Temperature Range Water, Air: to 180°F Max.
Materials

Body & Cover: Cast Bronze UNS C87850
 Stainless Steel ASTM A743-CF-16Fa
 Trim: 303 Stainless Steel
 Rubber: Buna-N® Synthetic Rubber

Pressure Ratings Cast Bronze 400 psi Max.
 Stainless Steel 400 psi Max.

Other Materials Available on special order

Adjustment Ranges

UL Listed & FM Approved
 0 to 75 psi
 20 to 200 psi
 100 to 300 psi

UL Listed/FM Approved 55L-60 Range psi	Approximate Increase for Each Clockwise Turn of Adjusting Screw
0 to 75	8.5 psi
20 to 200	28.0 psi
100 to 300	18.0 psi

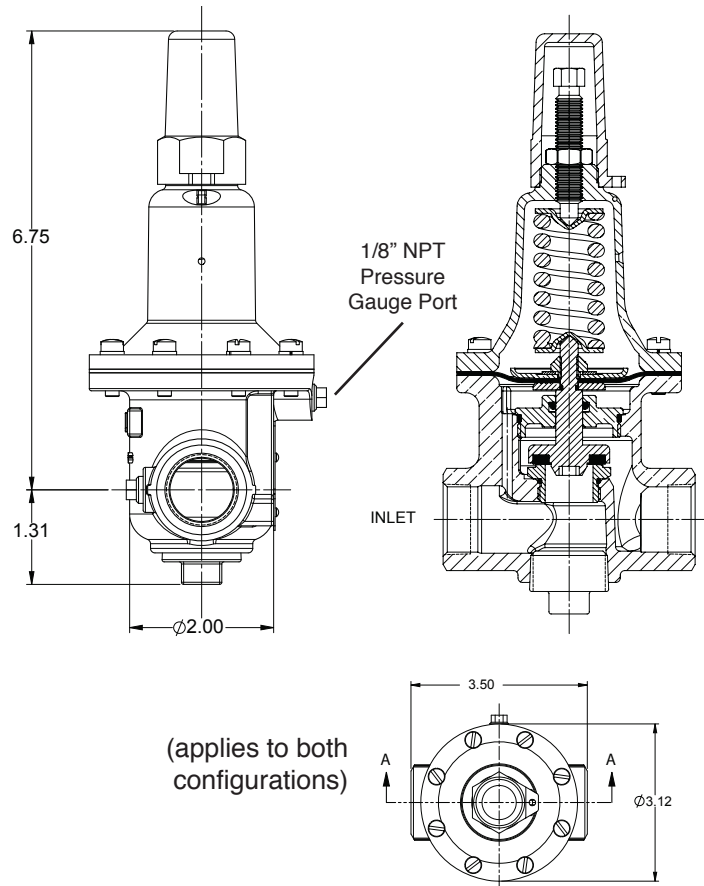
Pressure Drop Chart (Full Open Valve)

Valve Size	C _v Factor	Flow of Water - Gallons Per Minute				
		5	10	16	20	30
1/2"	6	0.7	2.7	6	11	--
3/4"	8.5	0.3	1.4	3.1	5.5	12.2

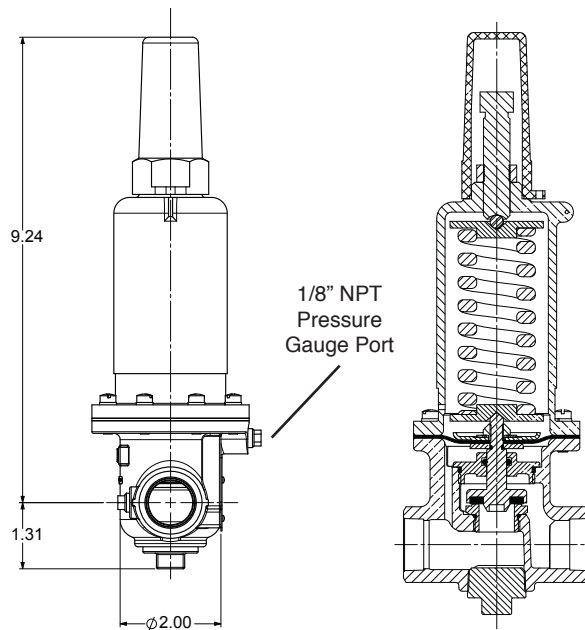
When Ordering, Please Specify

1. Catalog No. 55L-60
2. Valve Size
3. Adjustment Range Desired
4. Optional Materials

Dimensions: 0 to 75 and 20 to 200 psi design



Dimensions: 100 to 300 psi design



E-55L-60 (R-05/2014)

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