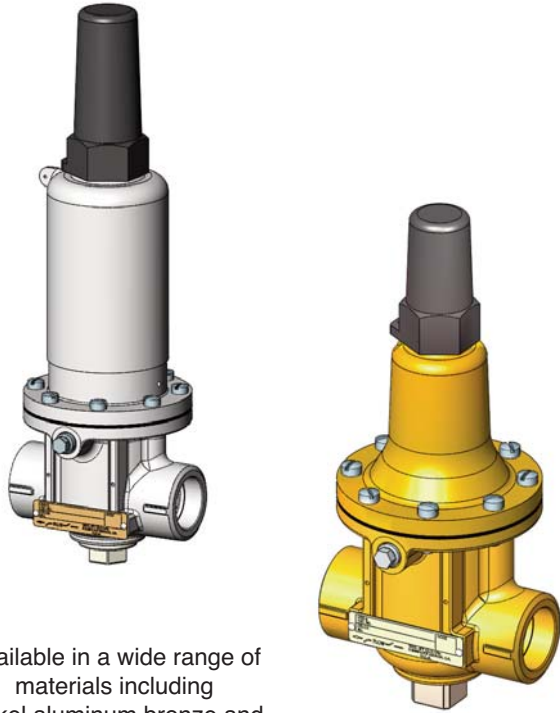




— MODEL — **55B-60**

## Pressure Relief Valve



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

- **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 55B-60 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 55B-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.

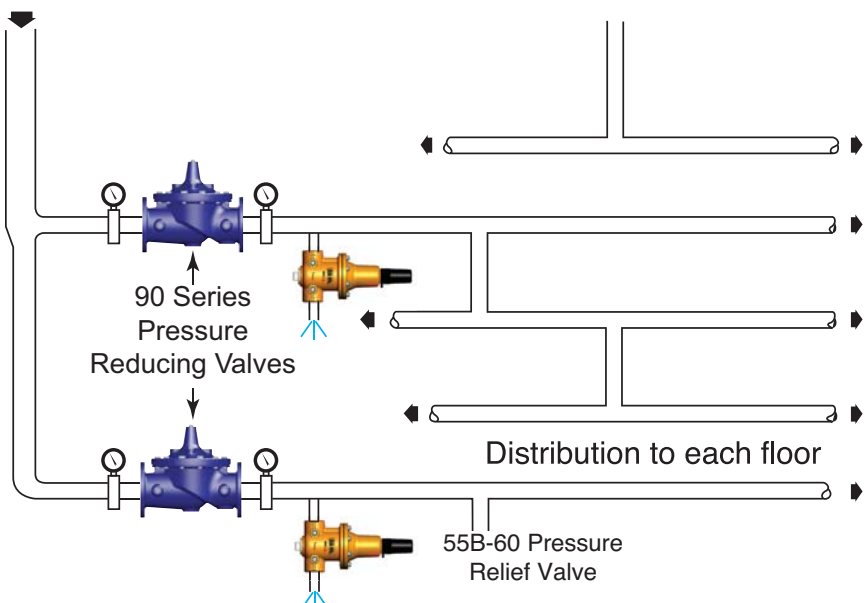
Pressure adjustment is simply a matter of turning the adjusting screw to vary the spring load on the diaphragm. The 55B-60 is available in three pressure ranges; 0 to 75 psi, 20 to 200 psi, and 100 to 300 psi. To prevent tampering, the adjustment cap can be wire sealed by using the lock wire holes provided in the cap and cover.

### Typical Application

The **Model 55B-60** is used in high-rise building water systems to prevent pressure build-up whenever line pressure exceeds the setting of the spring.

Typically installed downstream of pressure reducing valves, the 55B-60 relieves excess pressure to atmosphere to prevent damage to the distribution network. Adequate drainage must be provided.

visit [www.cla-val.com](http://www.cla-val.com)  
to learn more



## Specifications

<b>Size</b>	1/2" & 3/4" Threaded NPT
<b>Temperature Range</b>	Water, Air: to 180°F Max.
<b>Materials</b>	
Body & Cover:	Cast Bronze UNS C87850 - Low Lead 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

55B-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

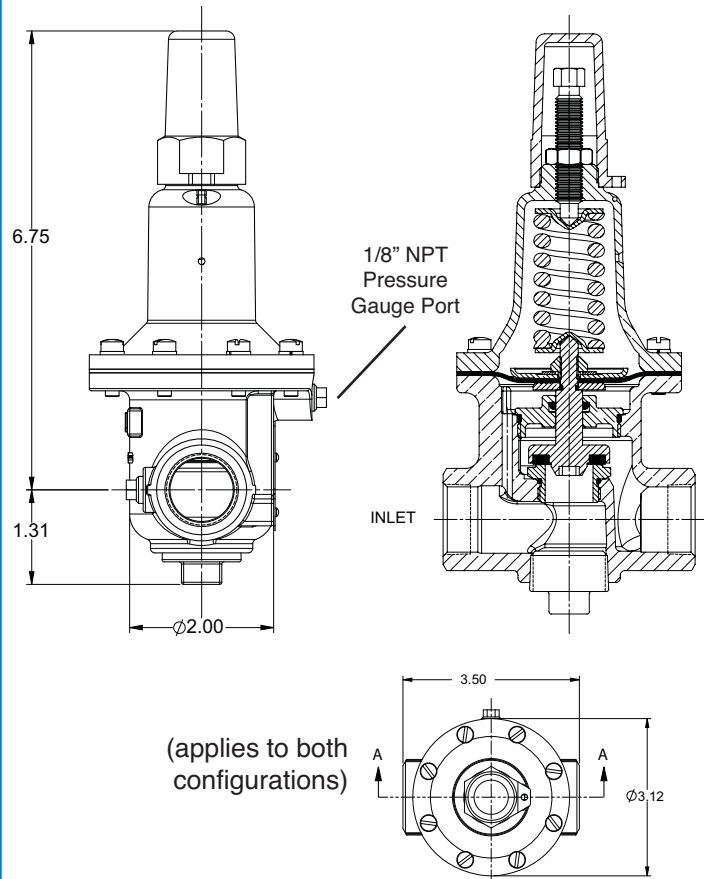
## Flow Loss Chart (Full Open Valve)

Valve Size	C <sub>v</sub> 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

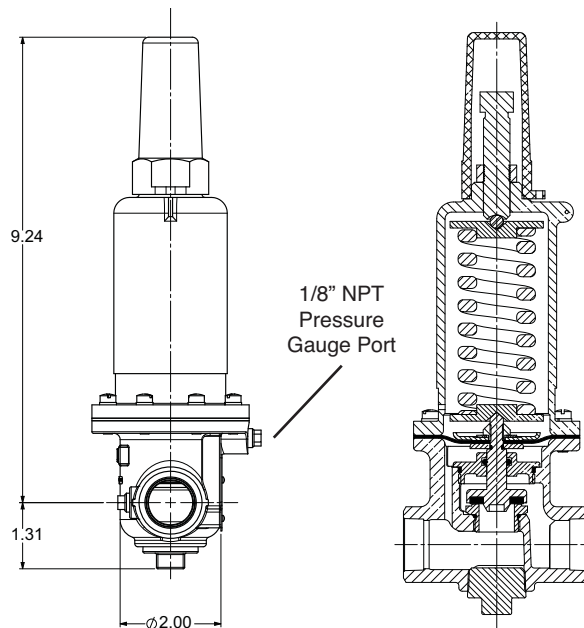
## When Ordering, Please Specify

1. Catalog No. 55B-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-55B-60 05/2014

## CLA-VAL

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