



**CIRCLE SEAL CONTROLS, INC.**

## L500 Series

*Low Pressure Relief Valve 0.2–15 psig*



### Features

Accurate cracking pressure  
Eliminates sticking  
In-line or vent to atmosphere with deflector cap  
Adjustable cracking pressure  
Zero leakage  
Optional factory preset

### Technical Data

<b>Body Construction Materials</b>	Brass, 316 stainless steel
<b>O-ring Materials</b>	Buna N, ethylene propylene, Kalrez®, neoprene, silicone, Viton®
<b>Spring Materials</b>	302 stainless steel
<b>Cracking Pressure</b>	.2 psig to 15 psig
<b>Operating Pressure</b>	0 to 25 psig (1.72 BAR)
<b>Inline Valve Proof Pressure</b>	37.5 psig (2.59 BAR)
<b>Inline Valve Burst Pressure</b>	Above 100 psig (6.89 BAR)
<b>Temperature Range</b>	-70° F to +550° F (-57° C to +288° C)
<b>Connection Sizes</b>	¼" to ½"
<b>Orifice Size</b>	0.281"

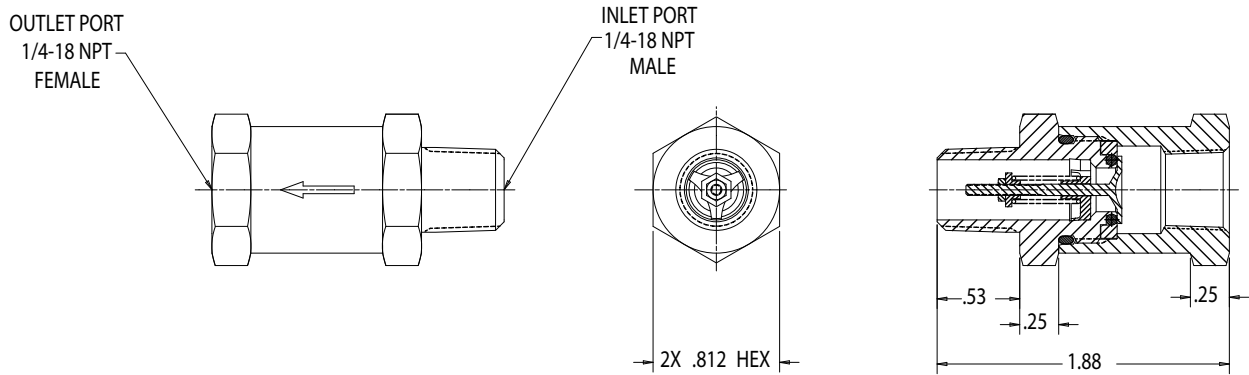
relief valves

### Circle Seal Controls

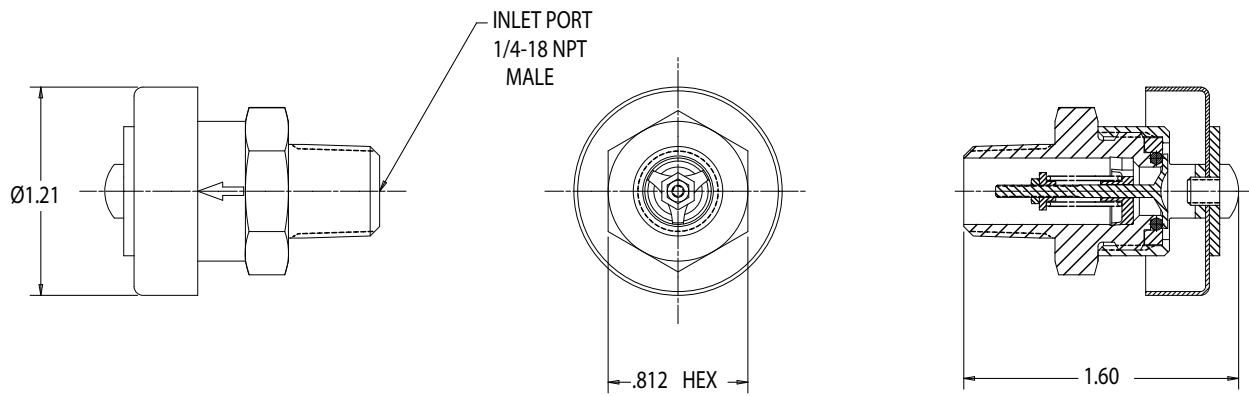
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www.circle-seal.com

# L500 Series

## Dimensions



In-Line



Popoff - Vent to Atmosphere

## How to Order

**D L5 33 B - 2M - 5**

**VARIATION\***

D Deflector cap

**SEAT MATERIAL & TEMPERATURE RANGE**

- 24 Silicone, -70° F to +450° F (-57°C to +232°C)
- 32 Viton®, -20° F to +400° F (-29°C to +204°C)
- 33 Neoprene, -40° F to +300° F (-40°C to +149°C)
- 62 Ethylene propylene, -65° F to +300° F (-54°C to +149°C)
- 65 Kalrez®, -40° F to +550° F (-40°C to +288°C)
- 77 Buna N, -65° F to +275° F (-54°C to +135°C)

\* blank if not required

**CRACKING PRESSURE**

Specify cracking pressure setting in psig (i.e. 5 = 5 psig set)

**INLET/OUTLET PORTS**

- 2M 1/4" pipe thread male (popoff)
- 2MP 1/4" pipe thread male/female (in-line)
- 3M 3/8" pipe thread male (popoff)
- 3MP 3/8" pipe thread male/female (in-line)
- 4MP 1/2" pipe thread male/female (in-line)

**BODY MATERIAL**

- B Brass
- T1 316 stainless steel