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

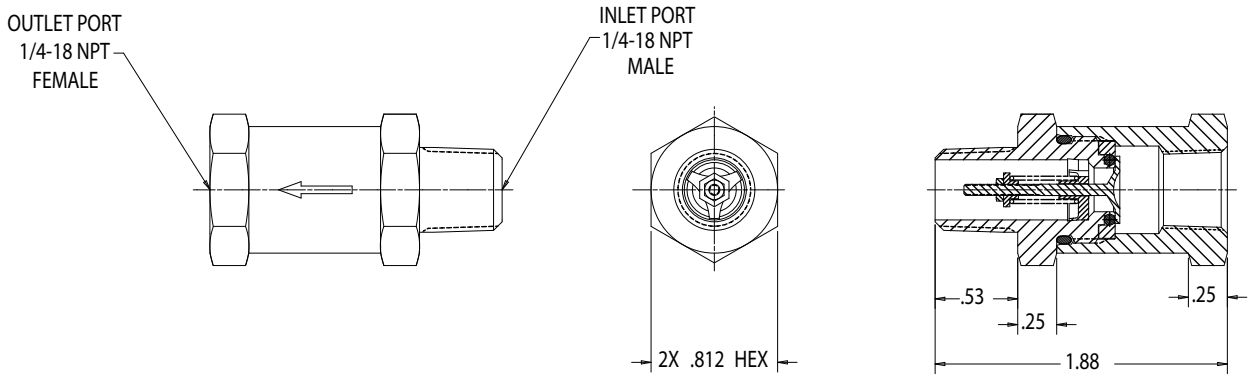
Technical Data

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

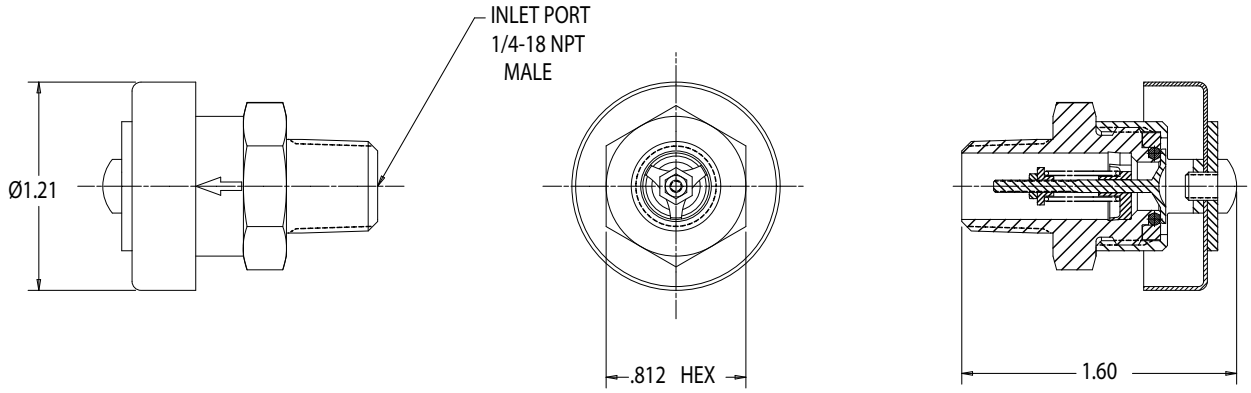
relief valves

Circle Seal Controls
2301 Wardlow Circle, Corona, CA 92880
Phone (951) 270-6200 Fax (951) 270-6201
www.circle-seal.com

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 ¼" pipe thread male (popoff)
- 2MP ¼" pipe thread male/female (in-line)
- 3M ⅜" pipe thread male (popoff)
- 3MP ⅜" pipe thread male/female (in-line)
- 4MP ½" pipe thread male/female (in-line)

BODY MATERIAL
- B Brass
- T1 316 stainless steel