



Insert



Cartridge



Manifold LRU



Line Mount



Ring Lock

AUSCO Miniature Pressure Relief Valves offer the versatility of economical and advanced designs for high performance requirements and multiple configuration options

- Wide range of standard designs. Custom designs available to meet customer-specified requirements
- Designs for all liquid and gas applications, including high pressure hydraulic and pneumatic service
- Design sizes ranging from 0.125 in. to 2.0 in diameter; –3 to –24 fitting sizes
- Designs for safety relief (“pop-off”), pressurizing, filter bypass, and cross port functions for EHAs
- Flow efficient designs for miniature packaging
- Extensive range of cracking pressures; adjustable cracking pressure designs available

Construction:

- Housings – Multiple configuration options. All stainless steel construction. Aluminum and Titanium housings/fittings available as standards to meet weight and performance requirements.
- Valve Seats – Designed to meet performance extremes: Durable 440C Hard seat designs for long life hydraulic service (low hard seat leakage); Zero Leak designs for high pressure gas service; and Zero Leak, High Temperature designs for combustion service
- Screened Designs Available

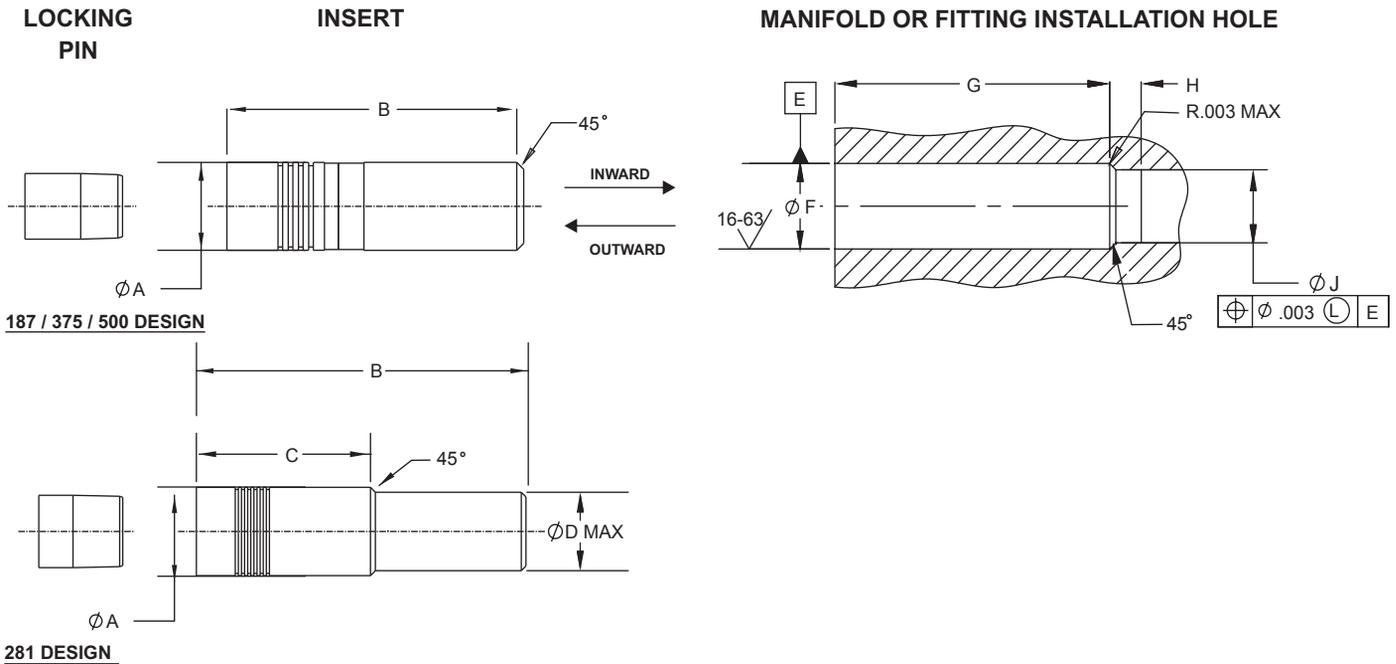
Other Related Products Available:

- Sampling Valves
- Thermal Relief Valves
- Pilot-operated Relief Valves
- Packaged Cross-port Relief Valves
- Adjustable Cracking Pressure Relief Valves
- Combination Valves with integral relief function
- Bleed and Relief Valves – Relief Valves with Manual Override for reservoirs and accumulators

Fluid System Valves and Components Since 1957

INSERT MINIATURE RELIEF VALVE

Below is detailed information pertaining to the Insert Relief Valves. Please contact the AUSCO Technical Center for other configuration information, advanced performance designs. Consider our advanced combination valve designs for space and weight savings.



DIMENSIONS (IN INCHES)								PERFORMANCE			
INSERT				INSTALLATION HOLE				CRACK PRESSURE (PSID)	FLOW (GPM)	PRESSURE DROP (PSID)	LEAKAGE AT SHUT OFF
ØA	B	C	ØD MAX	ØF	G (MIN.)	H (MIN.)	ØJ				
0.187	0.62 / 0.77‡	-	-	0.1880 / 0.1875	0.64 / 0.80	0.14	0.160 / 0.140	SEE DETAIL SHEET FOR STANDARD PERFORMANCE			
0.281	1.06 / 1.28‡	0.56	0.249	0.2817 / 0.2812	0.57	0.55 / 0.77	0.258 / 0.254				
0.375	1.20	-	-	0.3755 / 0.3750	1.22	0.14	0.320 / 0.290				
0.500	1.50	-	-	0.5010 / 0.5000	1.52	0.14	0.460 / 0.400				

‡ Screened options.

NOTES:

1. FLUID: ALL TYPES OF FLUIDS
2. PERFORMANCE: BASED ON MIL-PRF-83282 @ 80° F (27°C)
3. PRESSURES:
 OPERATING 3,000 PSIG (207 BAR)
 PROOF 4,500 PSIG (310 BAR)
 BURST 7,500 PSIG (517 BAR)
4. TEMPERATURE: -65°F (-54°C) TO +275°F (+135°C)
5. SHUT OFF: 85% OF ACTUAL CRACK PRESSURE

High pressure and temperature designs available

PART NOMENCLATURE:

