



Insert



Cartridge



Manifold LRU



Line Mount



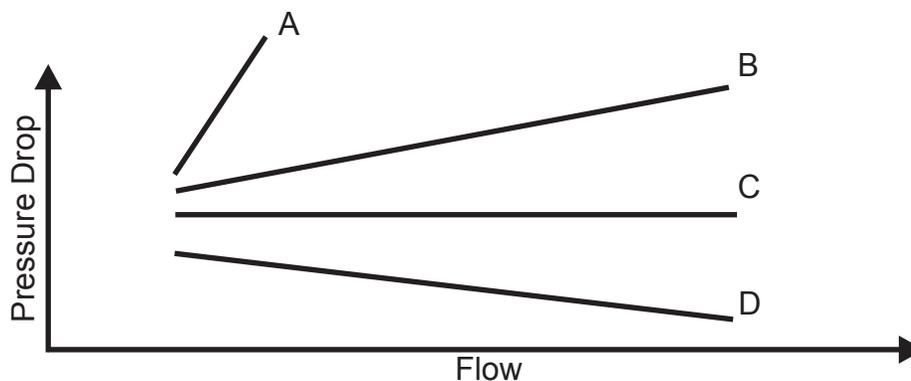
Ring Lock

AUSCO Miniature Advanced Pressure Relief Valve designs offer a unique integral active damper and the unique ability to allow customer to specify an optimum flow curve trend

- Active integral damping allows for ultra stable flow performance over full flow range
- Wide range of standard designs. Custom designs available to meet customer-specified requirements
- Design sizes ranging from 0.281 in. to 2.0 in diameter; Dash 4 to Dash 24 fitting sizes
- Designs for safety relief (“pop-off”), pressurizing, filter bypass, and cross port functions for EHAs
- Allow for reduced pressure drop

Ability to Specify Gain Type

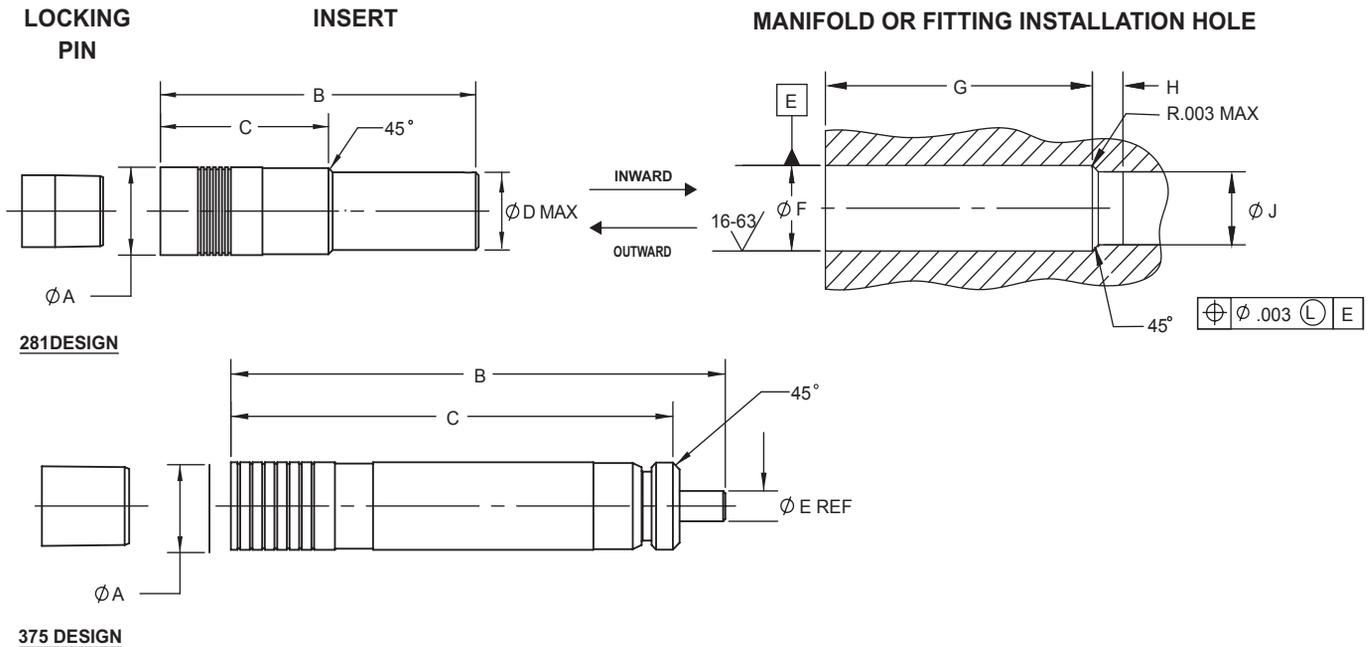
- High Gain (A) – Rapid opening for safety relief function
- Low Gain (B) – For low cost regulation
- Zero Gain (C) – Flat curve – Minimum pressure rise from cracking pressure to full flow
 - Higher reseal pressure equates to less leakage at operating pressure
 - Minimize power losses due to low leakage across valve
- Negative Gain (D) – Flow points below cracking pressure to compensate for other system component losses, allowing designer to meet overall system pressure drop requirement



Fluid System Valves and Components Since 1957

INSERT MINIATURE ULTRA STABLE RELIEF VALVES

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



DIMENSIONS (IN INCHES)									PERFORMANCE			
INSERT					INSTALLATION HOLE				CRACK PRESSURE MIN. (PSID)	FLOW (GPM)	PRESSURE DROP MAX (PSID)	LEAKAGE AT SHUT OFF (DPM)
ØA	B	C	ØD MAX	ØE REF	ØF	G (MIN.)	H (MIN.)	ØJ				
0.281	1.06/ 1.28	0.56	0.249	-	0.2817/ 0.2812	0.57	0.55 / 0.77	0.258/ 0.254	500 to 3,600	up to 1.8	4,500	20
0.375	2.20	1.97	-	0.13	0.3755/ 0.3750	2.00	0.25	0.325/ 0.310	4,200 to 5,400	up to 3.0	6,750	40

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 & 5,000 PSIG (345 BAR)
 - PROOF 4,500 PSIG (310 BAR) & 7,500 PSIG (517 BAR)
 - BURST 7,500 PSIG (517 BAR) & 12,500 PSIG (862 BAR)
4. TEMPERATURE: -65°F (-54°C) TO +275°F (+135°C)
5. SHUT OFF: 85% OF ACTUAL CRACK PRESSURE

High temperature designs available

PART NOMENCLATURE:

