



**Insert**



**Cartridge**



**Manifold LRU**



**Line Mount**



**Ring Lock**

AUSCO Miniature Metering Check Valve designs offer the versatility of economical designs, 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 fluid service
- Design sizes ranging from 0.187 in. to 2.0 in diameter; –3 to –24 fitting sizes
- **Restricted flow directions offered to specified flow performance, or to an equivalent hole size**

#### **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 for Long Life Hydraulic Service
- Screened designs available

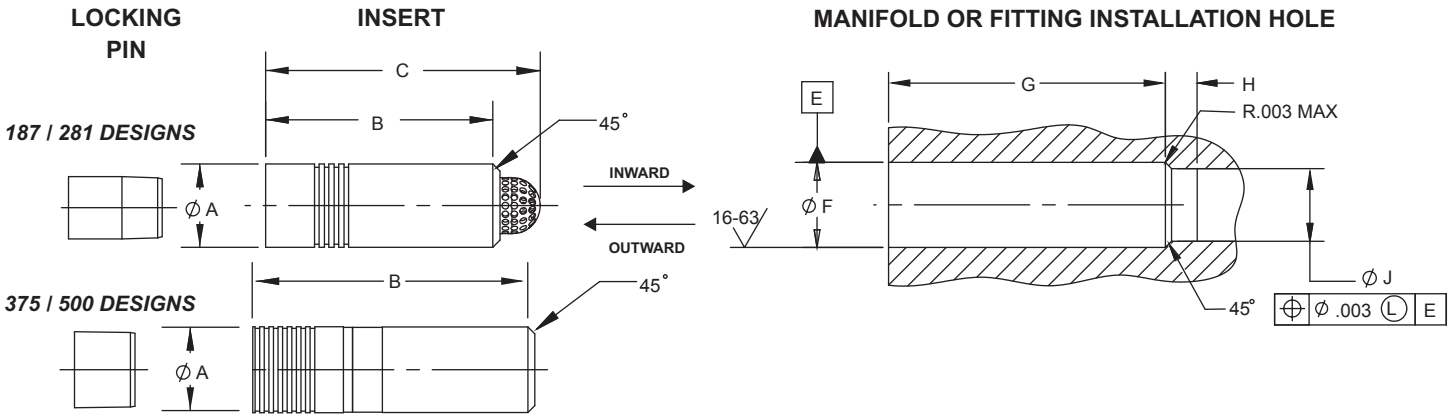
#### **Other Related Products Available:**

- Restrictor Check Valves - Restrictor and Check functions in series
- Flow Regulators & Pressure Regulators
- Absolute Upstream Pressure Regulators

*Fluid System Valves and Components Since 1957*

## INSERT MINIATURE METERING CHECK VALVES

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



DIMENSIONS (IN INCHES)							PERFORMANCE				
INSERT			INSTALLATION HOLE				CRACK PRESSURE (PSID)	FREE FLOW		METERED FLOW	
A	B	C	F	G (min.)	H (min.)	ØJ		RATED FLOW (GPM)	ΔP MAX (PSID)	FLOW (GPM)	ΔP (PSID)
0.187	0.51	0.63	0.1875 / 0.1880	0.53	0.20	0.156 / 0.162	5±3	0.2	25	0.01 to 0.21	100
0.281	0.75	0.94	0.2812 / 0.2817	0.77	0.21	0.208 / 0.215	5±3	0.6	25	0.02 to 0.83	100
0.375	1.20	-	0.3750 / 0.3775	1.22	0.14	0.280 / 0.320	5±3	3.5	25	0.06 to 2.97	100
0.500	1.50	-	0.5000 / 0.5010	1.52	0.14	0.378 / 0.471	5±3	6.0	25	0.79 to 5.19	100

**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. NOTE: 375 AND 500 SERIES ALSO AVAILABLE FOR HIGH PRESSURE APPLICATIONS 5,000 PSIG (345 BAR)

**PART NOMENCLATURE:**

