# Pneu-Trol

CMM Check Valve

Male-to-Male

#### IN-LINE



## DESCRIPTION

Check valves operate on slight differential pressure. Free flow is permitted in the direction of the arrow, positive check in the opposite direction.

- Elastomer-free (No O-ring) Leak-Tight Ball Check standard for various medias
- Bubble-Tight Ball Check with O-ring/Quad ring optional
- Compact over-all length

#### SPECIFICATIONS

Maximum Operating Pressure Brass: 2,000 psi (138 bar) Carbon Steel: 3,000 psi (207 bar) Stainless Steel: 3,000 psi (207 bar)

#### **Cracking Pressure**

1 to 2.5 psi (.07 to .17 bar) Other cracking pressures available. Consult factory.

Soft seat check valves if left seated for a period of time, will have the rubber adhere to the metal it is in contact with. This results in an initial high crack point due to sticking. The degree depends on many things (time seated, pressure, etc.).

### **Operating Temperature Range**

-30° to +200° F (-34° to +93° C)

Threads NPTF

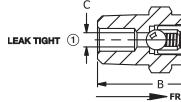
#### Materials

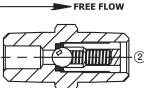
Body: Brass, Steel, Stainless Steel 303 Ball: Stainless Steel 440 Spring: Stainless Steel 302 Ball Guide: Delrin<sup>®</sup> Washer: Stainless Steel 304 O-Ring/Quad Ring: Buna-N



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# INSTALLATION DIMENSIONS





Pipe Size	A HEX	В	C orifice	gpm (lpm)	Cv Factor
1/8"	7/16 (11.1)	31/32 (24.6)	.125 (3.2)	1.0 (3.8)	.17
1/4"	5/8 (15.9)	1-3/8 (34.9)	.188 (4.8)	2.5 (9.5)	.56
3/8"	3/4 (19.1)	1-5/8 (41.3)	.250 (6.4)	6.0 (22.7)	1.31
1/2"	7/8 (22.2)	2-1/16 (52.4)	.328 (8.3)	10.0 (37.9)	2.71
3/4"	1-1/8 (28.6)	2-1/4 (57.2)	.359 (9.1)	15.0 (56.8)	3.40

( ) Parentheses = Millimeters

BUBBLE-TIGHT (1)

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# HOW TO ORDER

Leak-Tight							
	NPTF Thread						
Size	Brass	Steel	Stainless Steel				
1/8"	CMM10B1	—	—				
1/4"	CMM20B	CMM20S	CMM2OSS2				
3/8"	CMM25B	CMM25S	—				
1/2"	CMM30B	CMM30S	—				
Rubble Tight							

(O = O-ring, Q = Quad ring)						
Size	NPTF Thread					
	Brass	Steel	Stainless Steel			
1/8"	CMMO10B1	_	—			
1/4"	CMMQ20B	CMMQ20S	CMMO20SS2			
3/8"	CMMO25B	CMMO25S	CMMO25SS			
1/2"	CMMQ30B	CMMQ30S	-			
3/4"	CMMQ35B	_	_			

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