GOLD RING Series 28 Two-Way Pilot-Operated High Pressure Valves

SPECIFICATIONS

Mechanical Characteristics

Standard Materials of Construction

- Body-Brass
- Seals-NBR and Urethane
- Plunger and Pole Piece-430FR Stainless Steel
- Plunger Tube-305 Stainless Steel
- Springs-302 Stainless Steel
- Shading Coil-Copper (Brass Bodies)
- Piston-Delrin
- Piston Rings-PTFE

Compatible Fluids

- Generally installed where high pressure and large flow requirements dictate the use of piston valves

Electrical Characteristics

Voltages

- DC-6, 12, 24, 120, 125 (other voltages available upon request)
- AC-24/60, 110/120-50/60, 220/240-50/60, 440/480-50/60

Coil

- Class F Standard, Class H Available

Miscellaneous

Temperature Ratings (media as listed)

- AC Voltages: 200°F max.
- DC Voltages: 150°F max.
- Ambient: 32-77°F (standard)
- For temperature variations, consult the factory.

Installation

- Valves should be mounted vertical and upright. See mounting dimensions (nominal) shown here. For certified dimensions, consult factory.

Applications

- Used in a variety of applications including: Blow Molding, Compressors, Car Washer Equipment, and Pumps.

PILOTED PISTON HIGH PRESSURE BRASS VALVES – NORMALLY CLOSED (ENERGIZE TO OPEN), NBR SEALS

AC VALVE SPECIFICATIONS

NPT Pipe Size	Orifice Diameter		Flow Factor		Operating Pressure Differential								Max. Temp.		AC Watt	Const. Ref.	Valve Part Number
					Min.		Max. (MOPD) Air, Inert Gas		Water		Light Oil 300SSU						
	inch	mm	Cv	Kv	(PSI/Bar)		(PSI/BAR)		(PSI/Bar)		(PSI/BAR)		°F	°C			
1/4	5/16	7.94	1.5	1.29	15	1.03	1500	103.45	1500	103.45	1500	103.45	200	93	11.0	69A	04F28C1D20ACF
3/8	5/16	7.94	1.5	1.29	15	1.03	1500	103.45	1500	103.45	1500	103.45	200	93	11.0	69B	06F28C1D20ACF
1/2	3/8	9.53	3.2	2.76	25	1.72	1500	103.45	1500	103.45	1500	103.45	200	93	11.0	69	08F28C1D24ACF
3/4	3/4	19.05	7.8	6.72	25	1.72	1000	68.97	1000	68.97	1000	68.97	200	93	11.0	70	12F28C1D48BCF

PILOTED PISTON HIGH PRESSURE BRASS VALVES – NORMALLY OPEN (ENERGIZE TO CLOSE), NBR SEALS

AC VALVE SPECIFICATIONS

NPT Pipe Size	Orifice Diameter		Flow Factor		Operating Pressure Differential								Max. Temp.		AC Watt	Const. Ref.	Valve Part Number
					Min.		Max. (MOPD) Air, Inert Gas		Water		Light Oil 300SSU						
	inch	mm	Cv	Kv	(PSI/Bar)		(PSI/BAR)		(PSI/Bar)		(PSI/BAR)		°F	°C			
1/2	3/8	9.53	3.2	2.76	25	1.72	1000	68.97	1000	68.97	1000	68.97	200	93	11.0	71	08F28O1D28ACF
3/4	3/4	19.05	7.8	6.72	25	1.72	500	34.48	500	34.48	500	34.48	200	93	11.0	72	12F28O1D48BCF

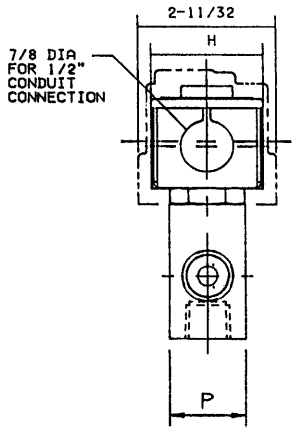
PILOTED PISTON HIGH PRESSURE BRASS VALVES – NORMALLY CLOSED (ENERGIZE TO OPEN), NBR SEALS

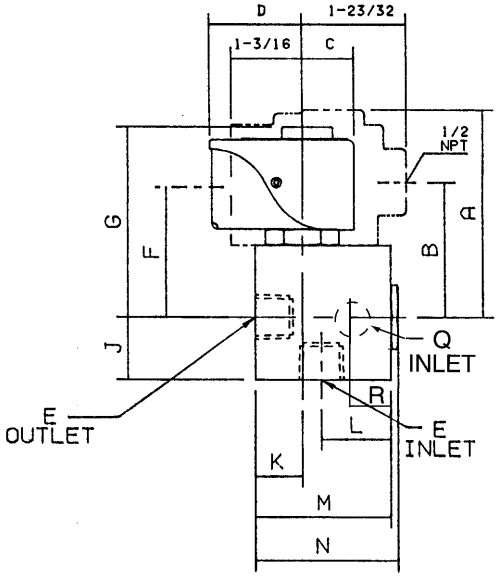
DC VALVE SPECIFICATIONS

NPT Pipe Size	Orifice Diameter		Flow Factor		Operating Pressure Differential								Max. Temp.		AC Watt	Const. Ref.	Valve Part Number
					Min.		Max. (MOPD) Air, Inert Gas		Water		Light Oil 300SSU						
	inch	mm	Cv	Kv	(PSI/Bar)		(PSI/BAR)		(PSI/Bar)		(PSI/BAR)		°F	°C			
1/2	3/8	9.53	3.2	2.76	25	1.72	500	34.48	500	34.48	500	34.48	150	66	11.5	69	08F28C1D24A3F
3/4	3/4	19.05	7.8	6.72	25	1.72	450	31.03	450	31.03	450	31.03	150	66	11.5	70	12F28C1D48A3F

To choose a solenoid for your valve, refer to the AC or DC chart found on the flap attached to the back cover of this catalog.

DRAWINGS





	Drawing 69	Drawing 69A	Drawing 69B	Drawing 70	Drawing 71	Drawing 72
A	3 29/64	3 1/32	3 1/32	3 27/32	3 29/64	3 27/32
B	2 1/4	1 57/64	1 57/64	2 41/64	2 1/4	2 41/64
C	7/8	7/8	7/8	7/8	7/8	7/8
D	1 17/32	1 17/32	1 17/32	1 17/32	1 17/32	1 17/32
E	1/2" NPT	----	----	3/4" NPT	1/2" NPT	3/4" NPT
F	2 11/64	1 13/16	1 13/16	2 9/16	2 1/32	2 13/32
G	3 3/16	2 3/4	2 3/4	3 37/64	3 3/16	3 37/64
H	1 13/16	1 13/16	1 13/16	1 13/16	1 13/16	1 13/16
J	1 3/64	11/16	11/16	1 13/32	1 3/64	1 13/32
K	25/32	13/16	13/16	29/32	25/32	29/32
L	63/64	----	----	2 11/32	63/64	2 11/32
M	2 1/4	2 1/4	2 1/4	3 35/64	2 1/4	3 35/64
N	2 3/8	2 13/32	2 13/32	3 47/64	2 3/8	3 47/64
P	1 1/4	1 1/2	1 1/2	2	1 1/4	2
Q	----	1/4" NPT	3/8" NPT	----	----	----
R	----	15/16	15/16	----	----	----

Explosion-Proof/Watertight
Shown in Outline

#69, 69A, 69B, 70, 71, 72

To choose a solenoid for your valve, refer to the AC or DC chart found on the flap attached to the back cover of this catalog.