

GOLD RING Series 20 Small Two-Way Direct Acting Valves

SPECIFICATIONS

Mechanical Characteristics

Standard Materials of Construction

- Body-Brass, 303 Stainless Steel, 316 Stainless Steel as listed
- Seals-NBR or Urethane as listed
- Plunger and Pole Piece-430FR Stainless Steel
- Plunger Tube-305 Stainless Steel
- Springs-302 Stainless Steel
- Shading Coil-Copper(Brass Bodies), Silver(Stainless Steel Bodies)
- Disc Holder-1/8-inch NPT Celcon, 1/4-inch Ryton

Compatible Fluids

- Gases, Fluid, Light Oils, or Vacuum from 760-23 Torr (29" Mercury) and other clean flowing media compatible with brass or stainless steel

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

Agency Approvals

- Standard valves with general purpose or explosion proof solenoid enclosures are UL Listed and CSA Certified. For details, consult factory.

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

- Series 20 valves may be mounted in any position. Product and mounting dimensions shown are nominal. For certified dimensions, consult factory.

Applications

- Used in a variety of applications including: Material Transfer, Molding, Vending Machines, Instrumentation, Welding Equipment, Water Treatment Systems, Spray Equipment, Dental Equipment, Laundry Equipment, Food Processing Machinery.

DIRECT ACTING 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)			°F	°C						
						Air, Inert Gas (PSI/Bar)	Water (PSI/Bar)	Light Oil 300SSU (PSI/Bar)								
1/8	3/64	1.19	.06	0.05	0	750	51.72	750	51.72	530	36.55	180	82	6.0	1	02F20C1103AAF
1/8	3/32	2.38	.20	0.17	0	275	18.97	290	20.00	130	8.97	180	82	6.0	1	02F20C1106AAF
1/8	1/8	3.18	.34	0.29	0	155	10.69	180	12.41	140	9.66	180	82	6.0	1	02F20C1108AAF
1/4	3/64	1.19	.06	0.05	0	750	51.72	750	51.72	500	34.48	180	82	6.0	2	04F20C1103AAF
1/4	3/64	1.19	.06	0.05	0	1500	103.45	1500	103.45	1100	75.86	140	60	11.0	3	04F20C1503ACF*
1/4	3/32	2.38	.17	0.15	0	360	24.83	340	23.45	160	11.03	180	82	6.0	2	04F20C1106AAF
1/4	1/8	3.18	.35	0.30	0	140	9.66	165	11.38	90	6.21	180	82	6.0	2	04F20C1108AAF
1/4	1/8	3.18	.35	0.30	0	300	20.69	300	20.69	200	13.79	180	82	11.0	3	04F20C1108ACF
1/4	5/32	3.97	.50	0.43	0	150	10.34	150	10.34	145	10.00	180	82	11.0	5	04F20C2110ACF
1/4	7/32	5.56	.85	0.73	0	40	2.76	50	3.45	40	2.76	180	82	6.0	4	04F20C2114AAF
1/4	7/32	5.56	.72	0.62	0	100	6.90	100	6.90	100	6.90	180	82	16.0	5	04F20C2114BDF
1/4	9/32	7.14	.96	0.83	0	27	1.86	36	2.48	28	1.93	180	82	6.0	4	04F20C2118AAF
1/4	9/32	7.14	.88	0.76	0	60	4.14	50	3.45	50	3.45	180	82	11.0	5	04F20C2118BCF
1/4	9/32	7.14	.88	0.76	0	90	6.21	80	5.52	80	5.52	200	93	16.0	5	04F20C2118BDF
3/8	1/8	3.18	.35	0.30	0	160	11.03	150	10.34	90	6.21	180	82	6.0	6	06F20C2108AAF
3/8	5/32	3.97	.52	0.45	0	150	10.34	150	10.34	145	10.00	180	82	11.0	7	06F20C2110ACF
3/8	7/32	5.56	.72	0.62	0	100	6.90	100	6.90	100	6.90	200	93	16.0	7	06F20C2114BDF
3/8	9/32	7.14	.85	0.73	0	90	6.21	80	5.52	80	5.52	200	93	16.0	7	06F20C2118BDF

* Valve is standard with urethane disc.

DIRECT ACTING 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)			°F	°C						
						Air, Inert Gas (PSI/Bar)	Water (PSI/Bar)	Light Oil 300SSU (PSI/Bar)								
1/8	1/16	1.59	.09	0.08	0	500	34.48	300	20.69	225	15.52	180	82	10.2	8	02F20O1104ABF
1/8	3/32	2.38	.15	0.13	0	275	18.97	200	13.79	150	10.34	180	82	6.0	8	02F20O1106AAF
1/8	1/8	3.18	.21	0.18	0	125	8.62	100	6.90	85	5.86	180	82	6.0	8	02F20O1108AAF
1/4	3/64	1.19	.06	0.05	0	750	51.72	700	48.28	700	48.28	180	82	11.0	9	04F20O1103ACF
1/4	3/32	2.38	.17	0.15	0	300	20.69	250	17.24	230	15.86	180	82	11.0	9	04F20O1106ACF
1/4	1/8	3.18	.35	0.30	0	130	8.97	110	7.59	100	6.90	180	82	11.0	9	04F20O1108ACF
1/4	5/32	3.97	.49	0.42	0	85	5.86	75	5.17	60	4.14	180	82	11.0	10	04F20O2110ACF
1/4	7/32	5.56	.83	0.72	0	45	3.10	45	3.10	40	2.76	180	82	11.0	10	04F20O2114ACF
1/4	9/32	7.14	.96	0.83	0	30	2.07	25	1.72	20	1.38	180	82	11.0	10	04F20O2118ACF

DIRECT ACTING 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)			°F	°C						
						Air, Inert Gas (PSI/Bar)	Water (PSI/Bar)	Light Oil 300SSU (PSI/Bar)								
1/8	3/64	1.19	.06	0.05	0	500	34.48	500	34.48	500	34.48	120	49	9.5	1	02F20C1103A1F
1/8	3/32	2.38	.20	0.17	0	150	10.34	140	9.66	145	10.00	120	49	9.5	1	02F20C1106A1F
1/8	1/8	3.18	.34	0.29	0	80	5.52	80	5.52	80	5.52	120	49	9.5	1	02F20C1108A1F
1/4	3/64	1.19	.06	0.05	0	500	34.48	500	34.48	500	34.48	120	49	9.5	2	04F20C1103A1F
1/4	3/32	2.38	.17	0.15	0	150	10.34	125	8.62	125	8.62	120	49	9.5	2	04F20C1106A1F
1/4	1/8	3.18	.35	0.30	0	65	4.48	60	4.14	60	4.14	120	49	9.5	2	04F20C1108A1F
1/4	1/8	3.18	.35	0.30	0	75	5.17	70	4.83	70	4.83	150	66	11.5	3	04F20C1108A3F
1/4	5/32	3.97	.50	0.43	0	40	2.76	40	2.76	45	3.10	150	66	11.5	5	04F20C2110A3F
1/4	7/32	5.56	.85	0.73	0	17	1.17	20	1.38	21	1.45	120	49	9.5	4	04F20C2114A1F
1/4	7/32	5.56	.72	0.62	0	25	1.72	25	1.72	25	1.72	150	66	11.5	5	04F20C2114A3F
1/4	9/32	7.14	.96	0.83	0	15	1.03	16	1.10	16	1.10	120	49	9.5	4	04F20C2118A1F
3/8	1/8	3.18	.35	0.30	0	75	5.17	70	4.83	70	4.83	150	66	11.5	7	06F20C2108A3F
3/8	5/32	3.97	.52	0.45	0	35	2.41	35	2.41	35	2.41	150	66	11.5	7	06F20C2110A3F
3/8	7/32	5.56	.72	0.62	0	25	1.72	25	1.72	25	1.72	150	66	11.5	7	06F20C2114A3F
3/8	9/32	7.14	.85	0.73	0	14	0.97	14	0.97	14	0.97	120	49	9.5	6	06F20C2118A1F

DIRECT ACTING 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)			°F	°C						
						Air, Inert Gas (PSI/Bar)	Water (PSI/Bar)	Light Oil 300SSU (PSI/Bar)								
1/8	1/16	1.59	.09	0.08	0	400	27.59	250	17.24	150	10.34	120	49	9.5	8	02F20O1104A1F
1/8	3/32	2.38	.15	0.13	0	190	13.10	110	7.59	110	7.59	120	49	9.5	8	02F20O1106A1F
1/8	1/8	3.18	.21	0.18	0	80	5.52	60	4.14	50	3.45	120	49	9.5	8	02F20O1108A1F
1/4	3/64	1.19	.06	0.05	0	500	34.48	500	34.48	500	34.48	140	60	11.5	9	04F20O1103A3F
1/4	3/32	2.38	.17	0.15	0	200	13.79	150	10.34	125	8.62	140	60	11.5	9	04F20O1106A3F
1/4	1/8	3.18	.35	0.30	0	80	5.52	60	4.14	60	4.14	150	66	11.5	9	04F20O1108A3F
1/4	5/32	3.97	.49	0.42	0	45	3.10	30	2.07	30	2.07	150	66	11.5	10	04F20O2110A3F
1/4	7/32	5.56	.83	0.72	0	25	1.72	20	1.38	20	1.38	150	66	11.5	10	04F20O2114A3F
1/4	9/32	7.14	.96	0.83	0	15	1.03	15	1.03	15	1.03	150	66	11.5	10	04F20O2118A3F

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.

Series 20 Small Two-Way Direct Acting Valves

DIRECT ACTING 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)			°F	°C						
						Air, Inert Gas (PSI/Bar)	Water (PSI/Bar)	Light Oil 300SSU (PSI/Bar)								
1/8	3/64	1.19	.06	0.05	0	750	51.72	750	51.72	530	36.55	180	82	6.0	1	02F20C3103AAF
1/8	3/32	2.38	.20	0.17	0	275	18.97	290	20.00	130	8.97	180	82	6.0	1	02F20C3106AAF
1/8	1/8	3.18	.34	0.29	0	155	10.69	180	12.41	140	9.66	180	82	6.0	1	02F20C3108AAF
1/4	3/64	1.19	.06	0.05	0	750	51.72	750	51.72	500	34.48	180	82	6.0	11	04F20C3103AAF
1/4	3/64	1.19	.06	0.05	0	2200	151.72	2000	137.93	1100	75.86	140	60	11.0	12	04F20C3503ACF*
1/4	3/32	2.38	.17	0.15	0	360	24.83	340	23.45	160	11.03	180	82	6.0	11	04F20C3106AAF
1/4	1/8	3.18	.35	0.30	0	140	9.66	165	11.38	90	6.21	180	82	6.0	11	04F20C3108AAF
1/4	1/8	3.18	.35	0.30	0	215	14.83	245	16.90	160	11.03	180	82	10.2	11	04F20C3108ABF
1/4	5/32	3.97	.50	0.43	0	150	10.34	150	10.34	145	10.00	180	82	11.0	12	04F20C3110ACF
1/4	7/32	5.56	.85	0.73	0	40	2.76	50	3.45	40	2.76	180	82	6.0	11	04F20C3114AAF
1/4	7/32	5.56	.72	0.62	0	100	6.90	100	6.90	100	6.90	180	82	11.0	12	04F20C3114BDF
1/4	9/32	7.14	.96	0.83	0	27	1.86	36	2.48	28	1.93	180	82	6.0	11	04F20C3118AAF
1/4	9/32	7.14	.88	0.76	0	90	6.21	80	5.52	80	5.52	200	93	16.0	12	04F20C3118BDF
3/8	1/8	3.18	.35	0.30	0	160	11.03	150	10.34	90	6.21	180	82	6.0	6	06F20C6108AAF
3/8	1/8	3.18	.35	0.30	0	310	21.38	310	21.38	260	17.93	200	93	16.0	7	06F20C6108ADF

* Valve is standard with urethane disc.

DIRECT ACTING STAINLESS STEEL 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)			°F	°C						
						Air, Inert Gas (PSI/Bar)	Water (PSI/Bar)	Light Oil 300SSU (PSI/Bar)								
1/8	3/64	1.19	.06	0.05	0	750	51.72	750	51.72	530	36.55	180	82	6.0	1	02F20C3103AAF
1/8	3/32	2.38	.20	0.17	0	275	18.97	290	20.00	130	8.97	180	82	6.0	1	02F20C3106AAF
1/8	1/8	3.18	.34	0.29	0	155	10.69	180	12.41	140	9.66	180	82	6.0	1	02F20C3108AAF
1/4	3/64	1.19	.06	0.05	0	750	51.72	750	51.72	500	34.48	180	82	6.0	11	04F20C3103AAF
1/4	3/64	1.19	.06	0.05	0	2200	151.72	2000	137.93	1100	75.86	140	60	11.0	12	04F20C3503ACF*
1/4	3/32	2.38	.17	0.15	0	360	24.83	340	23.45	160	11.03	180	82	6.0	11	04F20C3106AAF
1/4	1/8	3.18	.35	0.30	0	140	9.66	165	11.38	90	6.21	180	82	6.0	11	04F20C3108AAF
1/4	1/8	3.18	.35	0.30	0	215	14.83	245	16.90	160	11.03	180	82	10.2	11	04F20C3108ABF
1/4	5/32	3.97	.50	0.43	0	150	10.34	150	10.34	145	10.00	180	82	11.0	12	04F20C3110ACF
1/4	7/32	5.56	.85	0.73	0	40	2.76	50	3.45	40	2.76	180	82	6.0	11	04F20C3114AAF
1/4	7/32	5.56	.72	0.62	0	100	6.90	100	6.90	100	6.90	180	82	11.0	12	04F20C3114BDF
1/4	9/32	7.14	.96	0.83	0	27	1.86	36	2.48	28	1.93	180	82	6.0	11	04F20C3118AAF
1/4	9/32	7.14	.88	0.76	0	90	6.21	80	5.52	80	5.52	200	93	16.0	12	04F20C3118BDF
3/8	1/8	3.18	.35	0.30	0	160	11.03	150	10.34	90	6.21	180	82	6.0	6	06F20C6108AAF
3/8	5/32	3.97	.52	0.45	0	150	10.34	150	10.34	145	10.00	180	82	11.0	7	06F20C6110ACF
3/8	7/32	5.56	.72	0.62	0	100	6.90	100	6.90	100	6.90	200	93	16.0	7	06F20C6114BDF
3/8	9/32	7.14	.85	0.73	0	90	6.21	80	5.52	80	5.52	200	93	16.0	7	06F20C6118BDF

* Valve is standard with urethane disc.

DIRECT ACTING STAINLESS STEEL 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	
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)				°F	°C					
						Air, Inert Gas (PSI/Bar)		Water (PSI/Bar)				Light Oil 300SSU (PSI/Bar)				
1/8	1/16	1.59	.09	0.08	0	500	34.48	300	20.69	225	15.52	180	82	10.2	8	02F20O3104ABF
1/8	3/32	2.38	.15	0.13	0	275	18.97	200	13.79	150	10.34	180	82	6.0	8	02F20O3106AAF
1/8	1/8	3.18	.21	0.18	0	125	8.62	100	6.90	85	5.86	180	82	6.0	8	02F20O3108AAF
1/4	3/64	1.19	.06	0.05	0	750	51.72	700	48.28	700	48.28	200	93	11.0	13	04F20O3103ACF
1/4	3/32	2.38	.17	0.15	0	300	20.69	250	17.24	230	15.86	200	93	11.0	13	04F20O3106ACF
1/4	1/8	3.18	.35	0.30	0	130	8.97	110	7.59	100	6.90	200	93	11.0	13	04F20O3108ACF
1/4	5/32	3.97	.50	0.43	0	85	5.86	75	5.17	60	4.14	200	93	11.0	13	04F20O3110ACF
1/4	7/32	5.56	.83	0.72	0	65	4.48	65	4.48	60	4.14	200	93	16.0	13	04F20O3114ADF
1/4	9/32	7.14	.96	0.83	0	45	3.10	40	2.76	35	2.41	200	93	16.0	13	04F20O3118ADF

DIRECT ACTING STAINLESS STEEL VALVES – NORMALLY CLOSED (ENERGIZE TO OPEN), NBR SEALS

DC VALVE SPECIFICATIONS

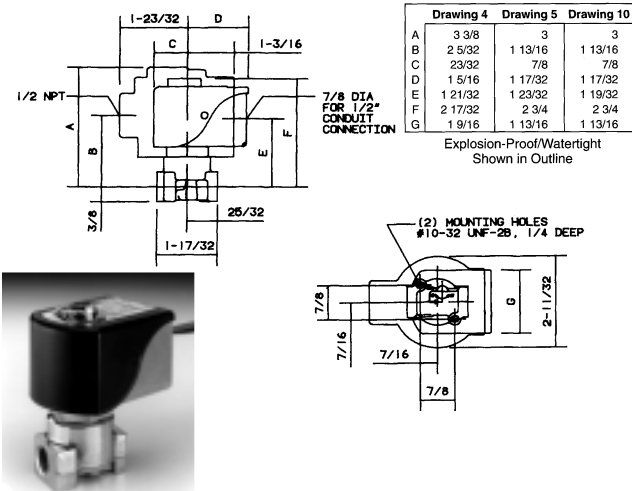
NPT Pipe Size	Orifice Diameter		Flow Factor		Operating Pressure Differential							Max. Temp.		AC Watt	Const. Ref.	Valve Part Number
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)						°F	°C			
						Air, Inert Gas (PSI/Bar)		Water (PSI/Bar)		Light Oil 300SSU (PSI/Bar)						
1/8	3/64	1.19	.06	0.05	0	500	34.48	500	34.48	500	34.48	120	49	9.5	1	02F20C3103A1F
1/8	3/32	2.38	.20	0.17	0	150	10.34	140	9.66	145	10.00	120	49	9.5	1	02F20C3106A1F
1/8	1/8	3.18	.34	0.29	0	80	5.52	80	5.52	80	5.52	120	49	9.5	1	02F20C3108A1F
1/4	3/64	1.19	.06	0.05	0	500	34.48	500	34.48	500	34.48	120	49	9.5	11	04F20C3103A1F
1/4	3/32	2.38	.17	0.15	0	150	10.34	125	8.62	125	8.62	120	49	9.5	11	04F20C3106A1F
1/4	1/8	3.18	.35	0.30	0	65	4.48	60	4.14	60	4.14	120	49	9.5	11	04F20C3108A1F
1/4	5/32	3.97	.50	0.43	0	40	2.76	40	2.76	45	3.10	120	49	11.5	12	04F20C3110A3F
1/4	7/32	5.56	.85	0.73	0	17	1.17	20	1.38	21	1.45	120	49	9.5	11	04F20C3114A1F
1/4	7/32	5.56	.72	0.62	0	25	1.72	25	1.72	25	1.72	150	66	11.5	12	04F20C3114A3F
1/4	9/32	7.14	.96	0.83	0	15	1.03	16	1.10	16	1.10	120	49	9.5	11	04F20C3118A1F
3/8	1/8	3.18	.35	0.30	0	65	4.48	60	4.14	60	4.14	120	49	9.5	6	06F20C6108A1F
3/8	5/32	3.97	.52	0.45	0	35	2.41	35	2.41	35	2.41	150	66	11.5	7	06F20C6110A3F
3/8	7/32	5.56	.72	0.62	0	25	1.72	25	1.72	25	1.72	150	66	11.5	7	06F20C6114A3F
3/8	9/32	7.14	.85	0.73	0	18	1.24	15	1.03	18	1.24	150	66	11.5	7	06F20C6118A3F

DIRECT ACTING STAINLESS STEEL VALVES – NORMALLY OPEN (ENERGIZE TO CLOSE), NBR SEALS

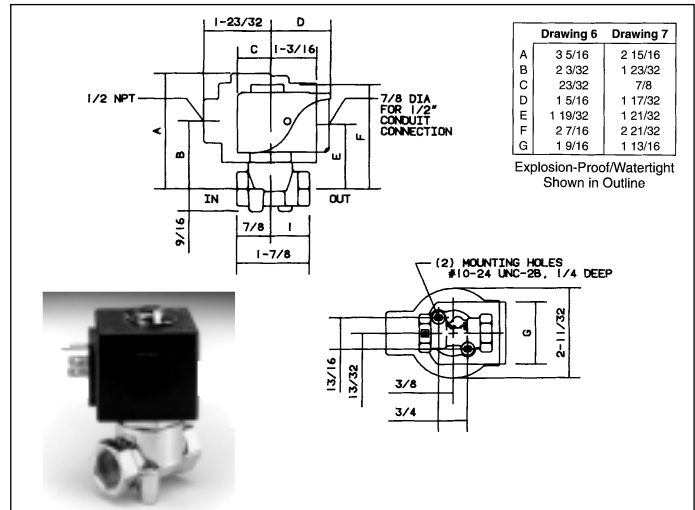
DC VALVE SPECIFICATIONS

NPT Pipe Size	Orifice Diameter		Flow Factor		Operating Pressure Differential							Max. Temp.		AC Watt	Const. Ref.	Valve Part Number
	inch	mm	Cv	Kv	Min. (PSI/Bar)	Max. (MOPD)						°F	°C			
						Air, Inert Gas (PSI/Bar)		Water (PSI/Bar)		Light Oil 300SSU (PSI/Bar)						
1/8	1/16	1.59	.09	0.08	0	400	27.59	250	17.24	150	10.34	120	49	9.5	8	02F20O3104A1F
1/8	3/32	2.38	.15	0.13	0	190	13.10	110	7.59	110	7.59	120	49	9.5	8	02F20O3106A1F
1/8	1/8	3.18	.21	0.18	0	80	5.52	60	4.14	50	3.45	120	49	9.5	8	02F20O3108A1F
1/4	3/64	1.19	.06	0.05	0	500	34.48	500	34.48	500	34.48	150	66	11.5	13	04F20O3103A3F
1/4	3/32	2.38	.17	0.15	0	200	13.79	150	10.34	125	8.62	150	66	11.5	13	04F20O3106A3F
1/4	1/8	3.18	.35	0.30	0	80	5.52	60	4.14	60	4.14	150	66	11.5	13	04F20O3108A3F
1/4	5/32	3.97	.50	0.43	0	45	3.10	30	2.07	30	2.07	150	66	11.5	13	04F20O3110A3F

DRAWINGS



#4, 5, 10



#6, 7

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.

Series 20 Small Two-Way

	Drawing 1	Drawing 2	Drawing 3	Drawing 9	Drawing 11	Drawing 12	Drawing 13
A	11/32	13/32	13/32	13/32	3/8	3/8	3/8
B	2 29/32	3 13/32	3 1/32	3 1/32	3 3/8	3	3
C	1 11/16	2 3/16	1 13/16	1 13/16	2 5/32	1 13/16	1 13/16
D	23/32	23/32	7/8	7/8	23/32	7/8	7/8
E	1 5/16	1 5/16	1 17/32	1 17/32	1 5/16	1 17/32	1 17/32
F	1 3/16	1 1/4	1 1/4	1 1/4	1 9/16	1 9/16	1 9/16
G	19/32	5/8	5/8	5/8	19/32	19/32	19/32
H	1 9/32	1 11/16	1 3/4	1 19/32	1 11/16	1 3/4	1 19/32
J	2 1/8	2 17/32	2 3/4	2 3/4	2 17/32	2 3/4	2 3/4
K	1 9/16	1 9/16	1 13/16	1 13/16	1 9/16	1 13/16	1 13/16

Explosion-Proof/
Watertight
Shown in Outline

(2) MOUNTING HOLES
#10-32 UNF-2B, 7/16 DEEP

#2, 3, 9 Bottom

(2) MOUNTING HOLES
#10-32 UNF-2B, 1/4 DEEP

#11, 12, 13 Bottom

#1, 2, 3, 9, 11, 12, 13

1-23/32 1-5/16
23/32 1-3/16
1/2 NPT
2-7/8
1-11/16
1-9/32
2-1/8
7/8 DIA FOR 1/2" CONDUIT CONNECTION
2-11/32
1-9/16
1-5/16
19/32
1-3/16 DIA
2 OUT
IN

7/32
17/64
17/32
7/16
2 MOUNTING HOLES FOR #8 THREAD CUTTING SCREW
2 SLOTS .275 X .187
7/32
7/16

#8