

BULLETIN 3020-D

MAX. FLUID TEMP. 212° F
MAX. STATIC PRESSURE 150 PSI



For Options and Accessories see pages 26 & 27. Strainers are recommended for use with solenoid valves (see page 19).

BRONZE Solenoid Valves

TYPE D FULL PORT NORMALLY CLOSED - 3/8" to 2" PIPE SIZE
(NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN)

OPERATION:

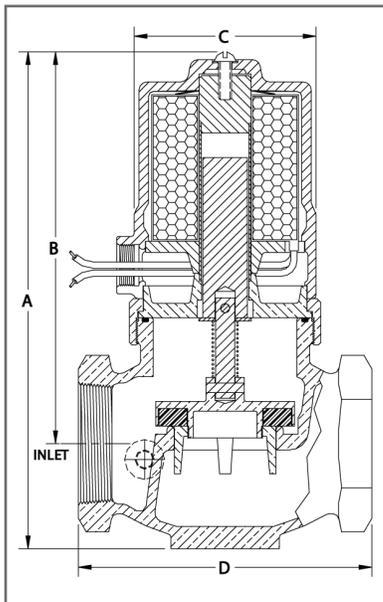
Valve opens when energized and closes when de-energized. In this direct acting valve the disc holder assembly is lifted from its seat by the plunger.

CONSTRUCTION: * Wetted parts

- Valve Body* – Cast Bronze, Globe Pattern – NPT ends (Flanged Ends available)
- Disc Holder* – Brass
- Coil Enclosure – Malleable or Cast Iron, 1/2" NPS conduit conn.
- Plunger* – 430 Stainless Steel
- Stem* – 303 Stainless Steel
- Bonnet Tube* – 304 Stainless Steel
- Spring* – 302 Stainless Steel
- Body Seal* – Buna N (Viton® available)
- Orifice Seal* – Buna N (Viton® or Glass Filled Teflon® available)
- AC Shading Coil* – Copper
- Stem Pin* – Inconel
- Coil – Encapsulated Class B, 18" leads – (Class H available)

APPLICATION:

To control the flow of **Water, Air, Gas, Solvents, Vacuum** and any other fluids not reactive with construction materials and free of sediment. Buna N seating of the orifice make the valves ideal for TIGHT SEATING, LOW PRESSURE and LOW FLOW conditions. Valve operates from zero to maximum differential pressure indicated in table. Valve must be mounted in horizontal pipe with solenoid enclosure vertical and on top.



Pipe Size Inches	Max. Diff. PSI	Type No.	Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship Wt. Lbs.†	Dimensions in Inches				
								A†	B	C	D	D (Flanged) 150#
3/8	15	18D11	25	0.4	1.0	18	7	6-1/4	5-3/8	2-3/4	2-7/8	N/A
	30	33D11	45	0.8	2.3	23	10	7-1/8	6-3/8	3-1/2	2-7/8	
1/2	10	18D12	25	0.4	1.1	18	7	6-1/4	5-1/2	2-3/4	3-1/8	4-3/4
	20	33D12	45	0.8	2.4	23	10	7-1/4	6-3/8	3-1/2	3-1/8	
3/4	4	18D13	25	0.4	1.2	18	8	6-7/8	5-3/4	2-3/4	3-1/2	5-1/2
	7.5	33D13	45	0.8	2.5	23	12	7-3/4	6-3/4	3-1/2	3-1/2	
1	2	18D14	25	0.4	1.4	18	9	7-1/2	6-1/8	2-3/4	4-1/8	6-3/4
	3.5	33D14	45	0.8	2.7	23	13	8-1/2	7-1/8	3-1/2	4-1/8	
1-1/4	1.3	18D15	25	0.4	1.5	18	10	8	6-3/8	2-7/8	4-3/8	7
	2.3	33D15	45	0.8	2.8	23	14	8-7/8	7-3/8	3-1/2	4-3/8	
1-1/2	0.8	18D16	25	0.4	1.7	18	12	8-1/8	6-1/2	3-1/8	4-3/4	7-3/4
	1.5	33D16	45	0.8	3.0	23	15	9-1/8	7-1/2	3-1/2	4-3/4	
2	0.8	33D17	45	0.8	3.4	23	19	9-7/8	7-7/8	3-3/4	5-3/4	10
	1.2	133D17	65	1.2	4.2	33	19	9-7/8	7-7/8	3-3/4	5-3/4	

† Shipping weights and Dimension "A" apply to NPT Ends

When ordering please supply:

- Pipe Size
- Fluid
- Valve Type
- Fluid Temperature
- Voltage (AC or DC)
- Max. Diff. Pressure
- Hertz
- Optional Features (See pages 26 & 27)