



# BRONZE SOLENOID VALVES

Dependable • Packless

## TYPE "D" FULL PORT - NORMALLY CLOSED 3/8" TO 2" PIPE SIZE

*NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN*

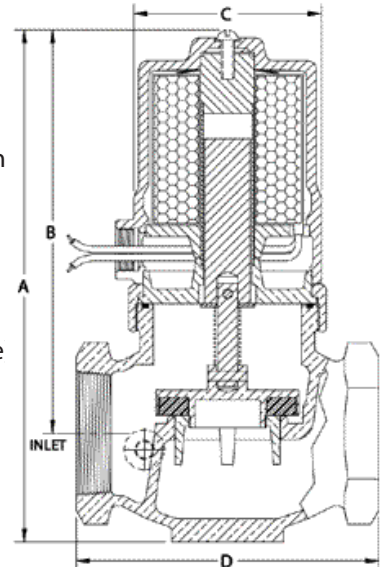
MAX. FLUID TEMP.  
**212° F**  
MAX. STATIC PRESSURE  
**150 PSI**

**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
- \*Disc Holder - Brass
- Coil Enclosure - Malleable or Cast Iron, 1/2" NPS conduit con
- \*Plunger - 430 Stainless Steel
- \*Stem - 303 Stainless Steel
- \*Bonnet Tube - 304 Stainless Steel
- \*Spring - 302 Stainless Steel
- \*Body Seal - Buna N
- \*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 main 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.

Strainers are recommended for use with solenoid valves (See page 19)

FOR OPTIONS & ACCESSORIES  
SEE PAGES 26 & 27



Pipe Size Inches	Max Diff. PSI	Type No.	Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship Wt. Lbs.	Dimension 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	23	9	7-1/2	6-1/8	2-3/4	4-1/8	6-3/4
	3.5	33D14	45	0.8	2.7	33	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	

**When you order please supply the following:**

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

(See pages 26 & 27)

† UL Listed Valves - Consult Factory