



# BRONZE SOLENOID VALVES

Dependable • Packless

## TYPE "N" - NORMALLY CLOSED 1/4" TO 3/4" PIPE SIZE

*NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN*

### DIRECT ACTING - ORIFICE SIZES 3/32" TO 1/2"

**OPERATION:**

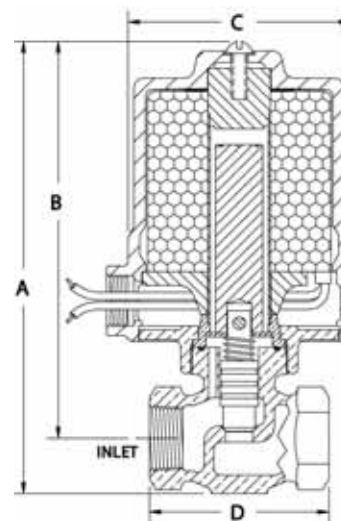
Valve opens when energized and closes when de-energized. In this direct acting valve, when the coil is energized, the stem is lifted from its conical seat by the plunger.

**CONSTRUCTION:** (\* Wetted parts)

- \*Valve Body - Cast Bronze, Globe Pattern - NPT ends
- Coil Enclosure - Malleable Iron, 1/2" NPS conduit conn.
- \*Plunger - 430 Stainless Steel
- \*Valve Stem - 303 Stainless Steel
- \*Bonnet Tube - 304 Stainless Steel
- \*Spring - 302 Stainless Steel
- \*Body Seal - Buna N
- \*Orifice Seal - Metal to Metal
- \*AC Shading Coil - Copper
- \*Stem Pin - Inconel
- Coil - Encapsulated Class B, 18" leads - (Class H available)

**APPLICATION:**

To control the flow of **Water, Oil, Air, Gas, Solvents, Brine, Vacuum** and any other fluids not reactive with construction materials and free of sediment. 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.



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



**FOR OPTIONS & ACCESSORIES  
SEE PAGES 24 & 25**

Pipe Size Inches	Max. Diff. PSI	Valve Port Size	Type No.	Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship Wt. Lbs.	Dimensions In Inches			
									A	B	C	D
1/4	50	1/4	18N40	25	0.4	1.0	18	6	5-7/8	5-1/4	2-3/4	2-1/4
	75	3/16	18N50									
	100	5/32	18N80									
	150	1/8	18N60									
	225	3/32	18N70									
	100	1/4	33N40									
150	3/16	33N50										
300	1/8	33N60										
3/8	25	3/8	18N21	25	0.4	1.1	18	6	6-1/8	5-3/8	2-3/4	2-1/2
	50	1/4	18N41									
	75	3/16	18N51									
	100	5/32	18N81									
	150	1/8	18N61									
	225	3/32	18N71									
	50	3/8	33N21	45	0.8	2.3	23	10	7	6-1/4	3-1/2	2-1/2
	75	5/16	33N31									
	100	1/4	33N41									
150	3/16	33N51										
300	1/8	33N61										
1/2	25	3/8	18N22	25	0.4	1.2	18	6	6-1/4	5-3/8	2-3/4	2-3/4
	50	1/4	18N42									
	75	3/16	18N52									
	100	5/32	18N82									
	150	1/8	18N62									
	225	3/32	18N72									
	50	3/8	33N22	45	0.8	2.4	23	10	7-1/8	6-3/8	3-1/2	2-3/4
	75	5/16	33N32									
	100	1/4	33N42									
150	3/16	33N52										
300	1/8	33N62										
3/4	15	1/2	18N13	25	0.4	1.3	18	7	6-1/2	5-5/8	2-3/4	2-7/8
	35	5/16	18N33									
	30	1/2	33N13	45	0.8	2.5	23	7-3/8	6-1/2	3-1/2	2-7/8	
	75	5/16	33N33									

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

**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 24 & 25)