

BRONZE Solenoid Valves



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

TYPE NR NORMALLY OPEN - 1/2" to 3/4" PIPE SIZE (NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN)

OPERATION:

This **Direct Acting Valve** closes when energized and opens when de-energized. When the coil is energized, the stem is pressed into its conical seat by the plunger.

Direct Acting Orifice Sizes – 3/32" to 1/2"

CONSTRUCTION: *Wetted parts

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

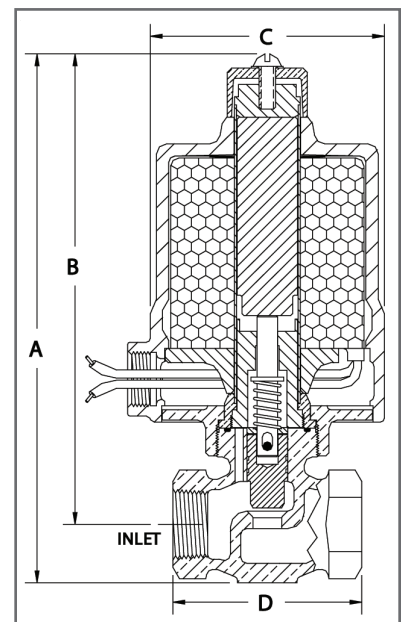
APPLICATION:

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.



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

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
3/8	DISCONTINUED – USE 1/2" VALVE WITH BUSHING											
1/2	23	3/8	18NR22	25	0.5	1.5	18	7	7	6-1/8	2-3/4	2-3/4
	45	1/4	18NR42									
	70	3/16	18NR52									
	90	5/32	18NR82									
	135	1/8	18NR62									
	200	3/32	18NR72									
1/2	45	3/8	33NR22	45	1.0	2.7	23	10	7-7/8	7-1/8	3-1/2	2-3/4
	70	5/16	33NR32									
	90	1/4	33NR42									
	135	3/16	33NR52									
	270	1/8	33NR62									
3/4	13	1/2	18NR13	25	0.5	1.6	18	7	7-1/4	6-3/8	2-3/4	2-7/8
	32	5/16	18NR33									
	27	1/2	33NR13									
	70	5/16	33NR33									



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

Optional Viton® "Soft Seat" Orifice Seal

- For applications requiring tight seating
- Suitable for Fuel Oils, Gaseous Oxygen and other compatible fluids