

**BULLETIN 3020-N**

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



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

# BRONZE Solenoid Valves

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

**OPERATION:**

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

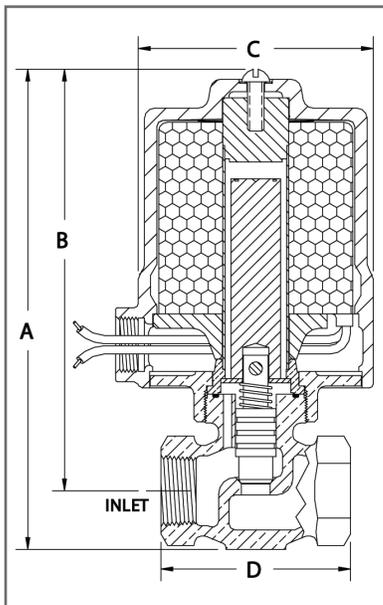
Direct Acting Orifice Sizes – 3/32" to 1/2"

**CONSTRUCTION:** \* Wetted parts

- Valve Body\* – Cast Bronze, Globe Pattern – NPT ends
- Coil Enclosure – Malleable Iron, 1/2" NPS conduit conn.
- Plunger\* – 430 Stainless Steel
- Valve Stem\* – 303 Stainless Steel
- Bonnet Tube\* – 304 Stainless Steel
- Spring\* – 302 Stainless Steel
- Body Seal\* – Buna N (Viton® available)
- Orifice Seal\* – Metal to Metal (Soft Seat available)
- 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.



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)

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	25	3/8	18N22									
	50	1/4	18N42									
	75	3/16	18N52	25	0.4	1.2	18	6	6-1/4	5-3/8	2-3/4	2-3/4
	100	5/32	18N82									
	150	1/8	18N62									
	225	3/32	18N72									
3/4	50	3/8	33N22									
	75	5/16	33N32									
	100	1/4	33N42	45	0.8	2.4	23	10	7-1/8	6-3/8	3-1/2	2-3/4
	150	3/16	33N52									
	300	1/8	33N62									
	15	1/2	18N13	25	0.4	1.3	18	7	6-1/2	5-5/8	2-3/4	2-7/8
3/4	35	5/16	18N33									
	30	1/2	33N13	45	0.8	2.5	23	10	7-3/8	6-1/2	3-1/2	2-7/8
	75	5/16	33N33									

**Optional Viton® "Soft Seat" Orifice Seal**

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