

BRONZE Solenoid Valves

BULLETIN 3020-
Sandy Well Water

**SANDY
WELL
WATER**

FULL PORT NORMALLY CLOSED - 1/2" to 3" PIPE SIZE

(NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN)

OPERATION:

Valve opens when energized and closes when de-energized. When the coil is energized the pilot valve opens, relieving the pressure above the piston, which is then lifted from its seat by the plunger. Upon de-energizing the coil, a spring closes the pilot valve and opens a bleed passageway to permit pressure to build above the piston and seat it.

CONSTRUCTION: *Wetted parts

- Valve Body* – Cast Bronze, Globe Pattern – NPT ends (**Flanged Ends available**)
- Piston* – Bronze
- Coil Enclosure – Malleable or Cast Iron, 1/2" NPS conduit conn.
- Plunger* – 430 Stainless Steel
- Pilot Valve* – 303 Stainless Steel
- Bonnet Tube* – 304 Stainless Steel
- Spring* – 302 Stainless Steel
- Body Seal* – Buna N or Non Asbestos Gasket (**Viton® or Teflon® 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:

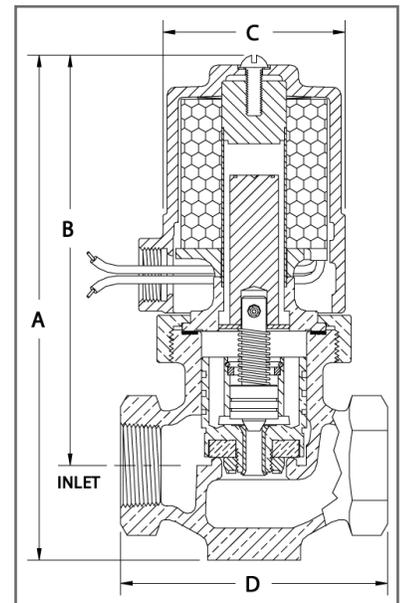
To control the flow of **Sandy Well Water**, the valve is designed with the piston and other components "turned down", offering additional clearance, allowing the valve to operate with fluids containing some sediment typically found in well water. Valve operates from zero to maximum differential pressure 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 and Accessories see pages 26 & 27. Strainers are recommended for use with solenoid valves (see page 19).

Pipe Size Inches	Max. Diff. PSI	Type No.	Watts AC	Watts DC	Ship Wt. Lbs.	Dimensions in Inches			
						A	B	C	D
1/2	50	18A22-V	25	18	8	7	5-7/8	2-3/4	3-1/4
	80	118A22-V	40	28					
3/4	50	18A23-V	25	18	8	7-1/8	6	2-3/4	3-1/2
	75	118A23-V	40	28					
	125	233A23-V	80	40					
1	50	18A24-V	25	18	10	7-7/8	6-5/8	2-3/4	4-1/8
	75	118A24-V	40	28					
	125	133A24-V	65	33					
200	233A24-V	80	N/A						
1-1/4	50	18A25-V	25	18	12	8-3/8	6-3/4	2-3/4	4-1/2
	75	118A25-V	40	28					
	110	133A25-V	65	33					
	300	140A45-V	85	N/A					
1-1/2	50	35A26-V	45	23	20	10	8-1/8	4	4-7/8
	75	135A26-V	65	33					
	125	41A26-V	60	35					
2	30	36A17-V	45	23	31	11	8-3/4	5-3/8	6
	50	136A17-V	65	33					
	75	136A27-V	65	33					
	125	42A27-V	60	35					
185	142A27-V	85	45						
2-1/2	30	43A18-V	60	35	43	12-7/8	10-1/8	5-7/8	7-1/4
	50	143A18-V	85	45					
	75	243A18-V	115	65					
3	30	44A19-V	60	35	56	13-3/4	10-1/2	6-5/8	8-3/8
	50	144A19-V	85	45					
	75	244A19-V	115	65					



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)