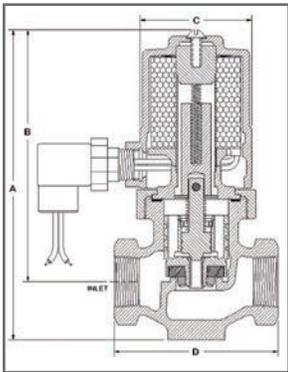


**BULLETIN 3020-  
Universal Mount**

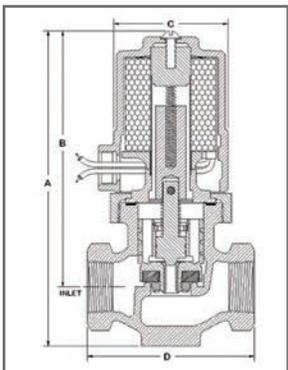
MAX. FLUID TEMP. 212° F  
MAX. STATIC PRESSURE 300 PSI



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



For AC Power Source  
Shown with "HF" Rectifier



For DC Power Source  
Drop "HF" Suffix, i.e. 118P44

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)

# BRONZE Solenoid Valves

**TYPE P FULL PORT NORMALLY CLOSED - 1/2" to 1-1/2" 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 Iron, 1/2" NPS conduit conn.
- Plunger\* – 430 Stainless Steel
- Plunger Spring\* – 304 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)
- Stem Pin\* – Inconel
- Coil – Encapsulated Class H, 18" leads

**The "P" Valve is Multiposited:**

Able to be mounted in any position

**Spring-Loaded:**

The term used to indicate that the valve has a plunger spring. A spring-loaded plunger permits the valve to be mounted in any position without causing malfunction.

**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 can be mounted in ANY POSITION (See box above).

For "P" Valve design feature for Stainless Steel valves consult the factory

Pipe Size Inches	Max. Diff. PSI	Type No.	Watts DC	Ship Wt. Lbs.	Dimensions in Inches			
					A	B	C	D
1/2	110	118P42HF	28	8	7	5-7/8	2-3/4	3-1/4
	200	118P32HF						
	300	118P52HF						
3/4	50	118P23HF	28	8	7-1/2	6	2-3/4	3-1/2
	110	118P43HF						
	200	133P33HF	33	12	8-1/8	7	4-1/8	
	300	133P53HF						
1	50	118P24HF	28	10	7-7/8	6-5/8	2-3/4	4-1/8
	110	118P44HF						
	200	133P34HF	33	14	8-7/8	7-1/2	3-1/2	
	300	133P54HF						
1-1/2	115	41P46HF	35	24	11	9-1/8	4-1/2	4-7/8
	200	41P36HF						
	300	41P56HF						

**Explosion Proof:** Available for DC Power Source **ONLY**  
(Valves without "HF" suffix use Prefix "F", i.e. F118P44)