

## SOLENOID VALVES

4707 Massachusetts Ave. - P.O. Box 18128  
Indianapolis, Indiana 46218-0128  
Ph: 1-800-63 GOULD Fx: (317) 547-5234  
Web: <http://www.gouldvalve.com>  
E-mail: [gouldvalve@gouldvalve.com](mailto:gouldvalve@gouldvalve.com)

**1/8"•1/4"•3/8" NPT**

## TYPE B3 SERIES

2-WAY - CAST BRONZE BODIES - PACKLESS  
DIRECT ACTING - LEAKPROOF  
GENERAL PURPOSE SOLENOID VALVES  
CLOSED WHEN DE-ENERGIZED



- ★ FOR: GENERAL SERVICE-AIR-WATER-LIGHT OIL-STEAM
- ★ PRESSURES: 0 MINIMUM TO RATED MAXIMUM
- ★ TEMPERATURE: 77°F. MAX. AMBIENT TEMP. CLASS N, 338°F MAX. FLUID TEMP.
- ★ MOUNTING: INSTALL IN HORIZONTAL LINE WITH COIL UPRIGHT AND ON TOP

---

---


### SIZES 1/8" • 1/4" • 3/8" NPT 3/16" STANDARD PORT NORMALLY CLOSED

- ★ **SERVICE RATINGS** Complete Pricing, Service & Electrical Ratings shown in Price Schedule . B3-21 Valves will be furnished for 0-200 PSI and 120 VAC Unless Otherwise Specified.

---

<b>TYPE B3-21</b>	AIR 0-200 psi, WATER 0-125 psi Class F: 220°F. Max. Fluid Temp., Class N: 338°F. Max. Fluid Temp. 24, 120, 240, 480, 120/240 VAC 60hz, 14 Watts Max. 6, 12, 24, 48, 115, 230 VDC, 24 Watts Max.
-------------------	--

---

 <b>TYPE BH-19</b>	STEAM 0-100 psi 338°F Maximum Steam Temperature 120, 240, 480 VAC 60hz, 15 Watts
--	--

- 
- ★ **CONSTRUCTION:**  
CLASS F & N COILS are Waterproof, Fungusproof, Molded of Filled Polyester with 18" Leads.  
BODIES are Sand Cast in 85-5-5-5 Bronze.  
BONNET ASSEMBLIES are 304 SS TUBES Silver Soldered into a Brass BONNET with a Brass TUBE PLUG.  
SEATSCREWS are Brass with PTFE O-RING.  
PILOT ASSEMBLIES are 416 SS ARMATURE CASE with a 303 SS PILOT POINT AND 1018 CRS ARMATURE CORE  
1/8"-3/8" NPTF GLOBE STYLE BODY WITH SCREW-DOWN BONNET

See Price Schedule for "Terms and Conditions of Sale."

---

## PERFORMANCE, ORDERING AND INSTALLATION GUIDE

**ORDERING DATA**--SPECIFY PIPE SIZE, TYPE, FLUID, OPERATING PRESSURE, TEMPERATURE RANGE, ELECTRICAL SPECIFICATIONS.

**FLOW CHARACTERISTICS**--SEE FLOW CURVES IN BULLETIN 5-FL, OR Cv FACTORS LISTED BELOW AND IN BULLETIN CP-1.

**OPERATION**--NO MINIMUM PRESSURE DROP IS REQUIRED FOR OPERATION.

**MOUNTING**--MOUNT IN HORIZONTAL LINE WITH COIL VERTICAL AND ON TOP. INSTALL 40 MESH STRAINER (NOT LARGER) AHEAD OF VALVE. CHECK FOR PROPER COIL VOLTAGE. MAKE SURE THAT THE FLOW ARROW ON VALVE BODY IS POINTING IN THE DIRECTION OF FLOW.

**SERVICING**--SOLENOID VALVES SHOULD BE FREQUENTLY CHECKED FOR OPERATION, CLEANLINESS, & INTERNAL WEAR - REPAIR KITS ARE FACTORY AVAILABLE --GIVE SIZE, TYPE, SERIAL NUMBER OR OPERATING DATA (VOLTAGE, PRESSURE, ETC.)

Valve Size	1	2	3	4	5	6	7	8	9	10	11	12	Flow Data		Dimensions			
	Body	SeatScrew	Bonn. Seal	Bonnet Assembly	Coil Endplates	Pilot Assembly	Coil	Coil Can	Nameplate	Coil Nut	Bottom Nip	Top Nip	Orifice Size	Cv Factor	A	B	C	Ship Wt.
1/8	707-1	698	2-17	699	484	709	Consult the Factory	480	44-1-1	6-15	482-2	483	3/16	.70	3.94	3.38	2.0	2 lb
1/4	707-2	698	2-17	699	484	709		480	44-1-1	6-15	482-2	483	3/16	.70	3.94	3.38	2.0	2 lb
3/8	707-3	698	2-17	699	484	709		480	44-1-1	6-15	482-2	483	3/16	.70	3.94	3.38	2.0	2 lb

