

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: sales@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: CLASS F, 220°F MAX: CLASS H, 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.

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| TYPE B3-21 | 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. 12, 24, 48, 115, 230 VDC, 24 Watts Max. |
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| TYPE BH-19 | STEAM 0-100 psi 338°F Maximum Steam Temperature 120, 240, 480 VAC 60hz, 15 Watts |
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- ★ **CONSTRUCTION:**
CLASS F & H 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 | Seat Screw | Bonnet 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 |

