

GENERAL PURPOSE VALVES



Series 20 >> Model BP21 (Body Ported)

2-Way Normally Open Valve — All Porting in the Body

A complete line of valves with a great selection of options and exceptional proven performance. The standard in the field. Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials.

- 2-Way Normally Open with all ports in body.
- Heavy duty and made of stainless steel.
- Wide range of orifice sizes from 1/32" to 1/8".

OPERATING CONDITIONS

Media: Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials. (Series 20 pressure ratings may change due to the viscosity of the liquid.)*

Valve Temperature Range: Standard Valves - 0°F (-18°C) to 104°F (40°C) ambient; 0°F (-18°C) to 150°F (65°C) media. Optional Valves - can tolerate much higher or much lower ambient and media temperatures.

Maximum Operating Pressure Differentials: See table on proceeding page.

Burst Pressure: 5000 PSI

Leakage: Bubble tight for standard valves.

Vacuum: To 5 Microns*

ELECTRICAL CHARACTERISTICS

Coil Voltage: 6 to 825V AC 60 HZ. and 5 to 720V AC 50 HZ. — 1.8 to 265V DC

Nominal Power: AC — 7.7 Watts DC — 9.5 Watts

Coil Construction: Non-molded Class A (Std.), Molded and Potted Class F or Class H (Opt.)

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel (Std.) or Brass (Opt.)

Internal Components: Stainless Steel and Brass

Elastomers: Nitrile (Buna) (Std.). Many other elastomers available.*

Orifice Diameter: See table on proceeding page.

Porting: See table above.

Housing: Grommet and 1/2" NPT conduit - many options available.*

Listings: Most valves are UL and CSA listed.*

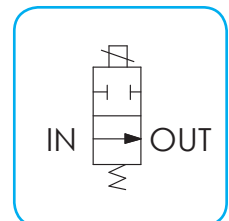
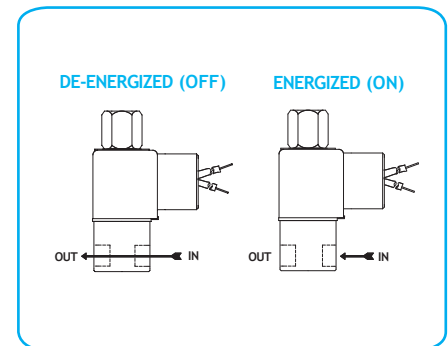
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

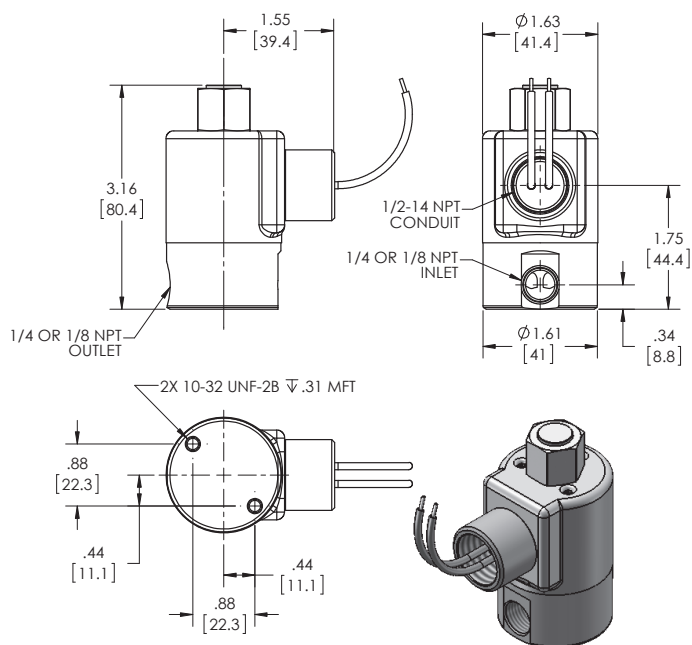
Valve Weight: Grommet Valve: 1.13 lb Conduit Valve: 1.19 lb

Repair Packs: See table on proceeding page.

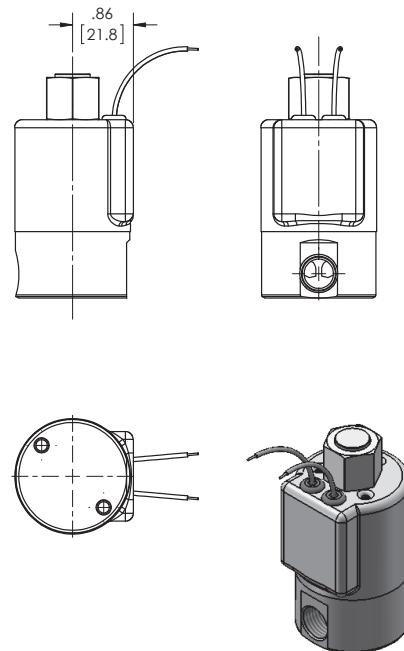
Options: Alternate Port Locations, Metering, Alternate Elastomers

* Consult representative or factory for options and specifications.





**SERIES 20 MODEL BP21
2WNO BODY PORTS
CONDUIT COIL CONNECTION**



**SERIES 20 MODEL BP21
2WNO BODY PORTS
GROMMET HOUSING WITH LEADS**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.	ORIFICE SIZE	CV FACTOR	VALVE NUMBER		CONDUIT HOUSING	
DC	N.O.	N.O.	GROMMET HOUSING 1/8 NPT PORTS	1/4 NPT PORTS	1/8 NPT PORTS	1/4 NPT PORTS
1750*	1/32	.024	BP21G7DGV	BP21G9DGV	BP21G7DCV	BP21G9DCV
650*	3/64	.053	BP21H7DGV	BP21H9DGV	BP21H7DCV	BP21H9DCV
350	1/16	.095	BP21J7DGV	BP21J9DGV	BP21J7DCV	BP21J9DCV
200	3/32	.156	BP21K7DGV	BP21K9DGV	BP21K7DCV	BP21K9DCV
100	1/8	.201	BP21N7DGV	BP21N9DGV	BP21N7DCV	BP21N9DCV

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (BP21K9DGV 120/60) REPAIR PACK (KBP21KDD-DC)