

PRESSURES UP TO **10,000 PSI** (689 BAR)
FLOATING BALL DESIGN

 **DBB BALL VALVE SERIES**

Double Block and Bleed

BALL/NEEDLE/BALL

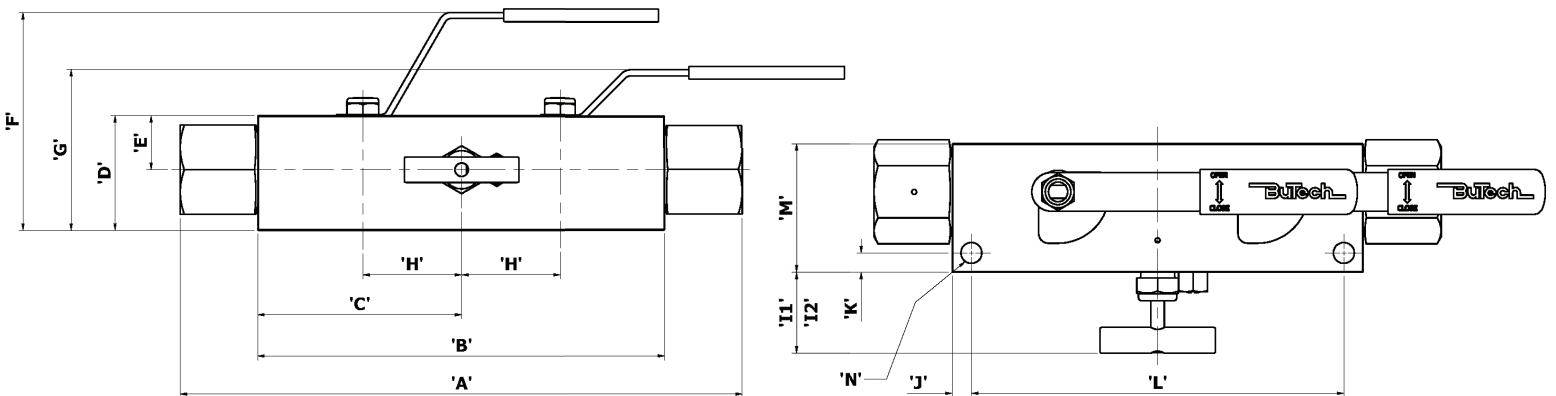
BuTech's Double Block and Bleed ball valves combine two isolating ball valves and a central needle bleed valve into one compact manifold. Ideal for process instrumentation control panels for isolation, pressure and flow control. This valve offers a full port, each ball valve is quarter turn with built in stops, and is rated up to 10,000 PSI.

In addition to our standard valves, BuTech can develop custom solutions.

Features

- Floating Ball Design
- Viton O-rings (0°F to 400°F)
Standard with optional O-rings available
- Vee Stem vent port
- 316 cold worked stainless steel construction
- PEEK seats
- Quarter turn open/close
- Variety of end connections available
- .250", .375", & .500" Ports available

Schematic Drawings



| MODEL # | A | B | C | D | E | F | G | H | I1 | I2 | J | K | L | M | N |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-----------|
| DBB104 | See Table | 5.25" | 2.62" | 1.50" | .81" | 3.16" | 2.28" | 1.25" | 1.57" | 1.88" | .37" | .37" | 4.50" | 2.25" | .28" Dia. |
| DBB106 | See Table | 6.25" | 3.12" | 2.00" | .88" | 4.03" | 2.91" | 1.62" | 1.57" | 1.88" | .37" | .37" | 5.50" | 2.50" | .41" Dia. |
| DBB108 | See Table | 8.00" | 4.00" | 2.25" | 1.06" | 4.28" | 5.50" | 1.94" | 1.57" | 1.88" | .37" | .37" | 7.25" | 2.50" | .41" Dia. |



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| ADDITIONAL LENGTH PER SIDE (ADD TO B DIM.) | | | | |
|--|--------|--------------|--------|--------|
| CONNECTION | | VALVE SERIES | | |
| SIZE/TYPE | SUFFIX | DBB104 | DBB106 | DBB108 |
| 1/4" FNPT | -20 | .98" | .97" | |
| 3/8" FNPT | -21 | .98" | .91" | |
| 1/2" FNPT | -22 | .98" | .97" | 1.25" |
| 3/4" FNPT | -41 | | 1.25" | 1.25" |
| 1" FNPT | -45 | | | 1.79" |
| 1/4" M/P | -16 | 1.14" | | |
| 3/8" M/P | -17 | 1.39" | .91" | |
| 9/16" M/P | -18 | | 1.33" | |
| 3/4" M/P | -32 | | | 1.54" |
| 1" M/P | -43 | | | 1.79" |

| TYPICAL CATALOG NUMBER: CAT# DBB106-18-18 | | | | | |
|--|------------|------------|----------------------|---------------------|----------------------|
| DBB | 10 | 6 | -18 | | -18 |
| Double Block & Bleed | 10,000 PSI | .375" Port | 9/16" M/P Connection | | 9/16" M/P Connection |
| OPTIONAL O-RING CATALOG NUMBER: CAT# DBB104-BN-17-17 | | | | | |
| DBB | 10 | 4 | -BN | -17 | -17 |
| Double Block & Bleed | 10,000 PSI | .250" Port | Buna O-Rings | 3/8" M/P Connection | 3/8" M/P Connection |

| OPTIONAL O-RINGS | |
|------------------|-------------------------------|
| -BN | Buna N |
| -EP | EPR O-Ring |
| -HT | High Temperature up to 500° F |

BUTECH BALL VALVES ARE CAPABLE OF BI-DIRECTIONAL FLOW

CAUTION: The maximum allowable working pressure (MAWP) of the valve shall not exceed the MAWP of the valve series of the selected connection, whichever is less.