

BI-DIRECTIONAL REFRIGERATION BALL VALVES

“ONE OF THE MOST ADVANCED 1/4” TO 3 1/8” ODS (6 mm to 54 mm) BALL VALVES”

FEATURES

- Valve can be mounted in either directions of flow.
- Maximum working pressure: 48 bar (700 psi).
- Temperature range: -40°C to +150°C (-40°F to 300°F).
- Full flow design reduces risks for leaks.
- Supplied with access valve port positioned on the brass body.
- Quick valve operation with mechanical stop: 1/4 turn of valve stem will fully open or close the valve. A special replaceable stem ring will ensure positive open and closed position.
- Extended copper ends for easy brazing.
- All valves are individually tested for vacuum and pressure as well as helium leak tested.
- Supplied with pre-drilled threaded holes in brass feet (bracket and 2 screws are included) to allow easy mounting of the valve on a base plate.

INSTALLATION

- Installation can be done in any direction horizontally or vertically.
- Extended copper end solder ODS connections for installation without valve dismantling.
- Easy and quick soft solder or silver brazing alloy into the line.
- Bi-directional with facility to surface mount if required.

SPECIFICATIONS

- Suitable for all standard CFC, HCFC, HFC refrigerants and oils (including R410A and R744 (CO₂)).

| MODEL NUMBER | CON. SIZE INCH | BALL PORT SIZE INCH | DIMENSIONS (mm) | | | Q (M ³ /h) |
|--------------|----------------|---------------------|-----------------|------|------|-----------------------|
| | | | L | H | C | |
| HPBV-04P | 1/4" | 1/2" | 165 | 57 | 16 | 1,2 |
| HPBV-06P | 3/8" | 1/2" | 165 | 57 | 16 | 3,8 |
| HPBV-08P | 1/2" | 1/2" | 165 | 57 | 16 | 7,8 |
| HPBV-10P | 5/8" | 1/2" | 165 | 57 | 16 | 12 |
| HPBV-12P | 3/4" | 3/4" | 184 | 71 | 21 | 22 |
| HPBV-14P | 7/8" | 3/4" | 184 | 71 | 21 | 28 |
| HPBV-18P | 1 1/8" | 1" | 216 | 77,7 | 25,5 | 43 |
| HPBV-22P | 1 3/8" | 1 1/4" | 235 | 100 | 31 | 74 |
| HPBV-26P | 1 5/8" | 1 1/2" | 254 | 115 | 39 | 125 |
| HPBV-34P | 2 1/8" | 2" | 290 | 140 | 47,5 | 195 |
| HPBV-42P | 2 5/8" | 2" | 290 | 140 | 47,5 | 220 |
| HPBV-50P | 3 1/8" | 2 1/2" | 365 | 163 | 60 | 310 |

| MODEL NUMBER | CON. SIZE METRIC | BALL PORT SIZE METRIC | DIMENSIONS (mm) | | | Q (M ³ /h) |
|--------------|------------------|-----------------------|-----------------|------|------|-----------------------|
| | | | L | H | C | |
| HPBV-06MMP | 6 mm | 12,70 mm | 165 | 57 | 16 | 1,2 |
| HPBV-10MMP | 10 mm | 12,70 mm | 165 | 57 | 16 | 3,8 |
| HPBV-12MMP | 12 mm | 12,70 mm | 165 | 57 | 16 | 7,8 |
| HPBV-16MMP | 16 mm | 12,70 mm | 165 | 57 | 16 | 12 |
| HPBV-19MMP | 19 mm | 19,05 mm | 184 | 71 | 21 | 22 |
| HPBV-22MMP | 22 mm | 19,05 mm | 184 | 71 | 21 | 28 |
| HPBV-28MMP | 28 mm | 25,40 mm | 216 | 77,7 | 25,5 | 43 |
| HPBV-35MMP | 35 mm | 31,75 mm | 235 | 100 | 31 | 74 |
| HPBV-42MMP | 42 mm | 38,10 mm | 254 | 115 | 39 | 125 |
| HPBV-54MMP | 54 mm | 50,80 mm | 290 | 140 | 47,5 | 195 |

