

Ball valves for refrigerants

IGLOO ball valves are bi-directional on-off valves for refrigerant fluids, manually operated.

Suitable for liquid, suction and hot gas lines in refrigeration and air conditioning systems.

All ball valves are supplied with a sealable sealing cap, mounting bracket and a schrader type access valve.

The full-bore design of IGLOO ball valves ensures maximum flow rate with minimum pressure drop between inlet and outlet.

Thanks to the combination of the welded body, Teflon® ball seats, double o-ring on the operating stem and sealing cap the risk of refrigerant leaks is minimized: the final checks performed on all pieces guarantee leaks significantly lower than 0.1 gram/year of refrigerant.

Features

- Wide temperature range: from -40°C to +150°C
- 1/4 turn from full open and full closed positions
 - Rotation stop with mechanical stop
 - Open/closed status indication on valve body
- All models are full-bore
 - Higher flow rate, lower pressure drop
- Bi-directional flow: mounting in any position
- All models are available with Schrader type access valve to facilitate maintenance operations
- Sealable sealing cap, as prescribed by the European Standard for Safety and Environment EN 378
- Hermetic design with welded valve body
- All valves produced are individually tested
 - Pressure resistance test at 70bar
 - Helium leak test in high vacuum chamber according to EN 1779.B6
- Equalization hole in the balls
- Prevents overpressure in the valve body cavity
- Anti-blowout stem mounted from inside
- Mounting brackets for panel fixing are supplied
- Selected formulations of Teflon® and technical elastomers for internal seals

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Approvals

CE (PED, RoHS, REACH), EAC

Technical information

Suitable for HC, HFC, HFO refrigerants (and their blends)

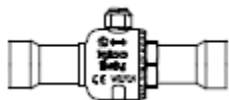
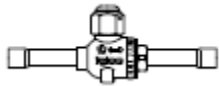
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|-------------------|-------------------|--------------------------------|------------------|
| BHA Series | with access valve | -40 ÷ +150 °C -40 ÷ +300 °F | 45bar 650psig |
|-------------------|-------------------|--------------------------------|------------------|

Standard supply

All IGLOO ball valves have an access valve, are prepared with holes for panel mounting and mounting brackets are included in each box. The ball valves are supplied individually packaged inside cardboard boxes including assembly instructions and CE certificate.

Available models

BHA Series, with access valve



| Mod. | ODF Connections (aka ODS) | | Orifice | Kv (m3/h) | PED 2014/68/EU |
|----------|---------------------------|-------------|----------|---------------|-------------------------|
| | mm | inch | Ø S (mm) | UNI 9182:2010 | Risk category |
| BHA-M6 | O.D. 6mm | - | 10 | 1,2 | Excluded Art.4 Par.3 |
| BHA-4 | - | O.D. 1/4" | 10 | 1,2 | |
| BHA-5 | O.D. 8mm | O.D. 5/16" | 10 | 1,2 | |
| BHA-6 | - | O.D. 3/8" | 10 | 3,5 | |
| BHA-M10 | O.D. 10mm | - | 10 | 3,5 | |
| BHA-M12 | O.D. 12mm | - | 10 | 6,6 | |
| BHA-8 | - | O.D. 1/2" | 10 | 6,6 | |
| BHA-M15 | O.D. 15mm | - | 13 | 15 | |
| BHA-10 | O.D. 16mm | O.D. 5/8" | 13 | 15 | |
| BHA-M18 | O.D. 18mm | - | 16 | 20 | |
| BHA-12 | O.D. 19mm | O.D. 3/4" | 16 | 20 | |
| BHA-14 | O.D. 22mm | O.D. 7/8" | 19 | 24 | |
| BHA-M28 | O.D. 28mm | - | 25 | 42 | |
| BHA-18 | - | O.D. 1.1/8" | 25 | 42 | |
| BHA-22 | O.D. 35mm | O.D. 1.3/8" | 32 | 65 | |
| BHA-26 | - | O.D. 1.5/8" | 40 | 110 | |
| BHA-M42 | O.D. 42mm | - | 40 | 110 | |
| BHA-34 | O.D. 54mm | O.D. 2.1/8" | 50 | 190 | |
| BHA-M64R | O.D. 64mm | - | 50 | 300 | |
| BHA-M64 | O.D. 64mm | - | 65 | 300 | |
| BHA-42R | - | O.D. 2.5/8" | 50 | 300 | |
| BHA-42 | - | O.D. 2.5/8" | 65 | 300 | |
| BHA-48RR | O.D. 76mm | O.D. 3" | 50 | 300 | |
| BHA-48R | O.D. 76mm | O.D. 3" | 65 | 300 | |
| BHA-50RR | O.D. 80mm | O.D. 3.1/8" | 50 | 300 | |
| BHA-50R | O.D. 80mm | O.D. 3.1/8" | 65 | 300 | |