

► **Features**

- **Connection system:** screw-on
- **Disconnection system:** screw-on
- **Shut off system:** flat valve
- **Connectability:** both male and female couplings under residual pressure
- **Disconnection under pressure:** allowed
- **Interchangeability:** worldwide market
- **Copper sweat connection to make the installation easier**
- Screw-on latching system
- Standard seals in HNBR (Hydrogenated NBR) or Neoprene
- Suitable for bulkhead mounting
- Made in brass and copper
- Special versions available on request
- **UL Listed: File N° SA13163**



► **Technical data**

| Size ❖ | DN Nominal diameter | |
|-----------|------------------------|---------|
| | mm | inc. |
| 3/8" | 06 | 7 0.28 |
| 1/2" | 08 | 9 0.35 |
| 3/4" | 12 | 16 0.63 |
| 1" | 16 | 25 0.98 |

| Minimum burst pressure | | | | | |
|------------------------|------|------|------|--------|------|
| Connected | | Male | | Female | |
| MPa | PSI | MPa | PSI | MPa | PSI |
| 26 | 3770 | 21 | 3045 | 19 | 2755 |
| 25 | 3625 | 26 | 3770 | 8,3 | 1204 |
| 19 | 2755 | 21 | 3045 | 10,5 | 1523 |
| 15 | 2175 | 13 | 1885 | 7,5 | 1088 |

| Air inclusion and fluid loss | Maximum leakage rate * * | Vacuum rating | | Connection sleeve torque |
|------------------------------|-----------------------------|---------------|-------|--------------------------------|
| | | mmHg | incHg | |
| cc max. | g/year | | | Nm |
| 0,05 | 1,5 | 2 | 0,08 | 20 ⁺² ₋₀ |
| 0,1 | 1,5 | 2 | 0,08 | 30 ⁺⁵ ₋₀ |
| 0,1 | 1,5 | 2 | 0,08 | 60 ⁺⁵ ₋₀ |
| 0,2 | 1,5 | 2 | 0,08 | 80 ⁺⁵ ₋₀ |

| Size ❖ | DN Nominal diameter | |
|-----------|------------------------|---------|
| | mm | inc. |
| 3/8" | 06 | 7 0.28 |
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| 3/4" | 12 | 16 0.63 |
| 1" | 16 | 25 0.98 |

| Maximum working pressure * | | | | | |
|----------------------------|------|------|------|--------|-----|
| Connected | | Male | | Female | |
| MPa | PSI | MPa | PSI | MPa | PSI |
| 8,5 | 1233 | 7 | 1015 | 6 | 870 |
| 8 | 1160 | 8,5 | 1233 | 2,75 | 400 |
| 6 | 870 | 7 | 1015 | 3,5 | 508 |
| 5 | 725 | 4 | 580 | 2,5 | 363 |

* Safety factor = 1:3 - For static pressure safety factor 1:2
** R22 equivalent refrigerant at operating range, both connected and disconnected.

Materials:

- Male and female in brass and copper.
- Valves in zinc plated steel with Cr III passivation.
- Copper sweat connection.
- Springs and guidevalves in stainless steel.

Seals: standard in HNBR or Neoprene.
On request: EPDM, Viton or other seals.

Working temperatures:

With Neoprene seals from -40°C (-40°F) to +120°C (+248°F).
With HNBR seals from -25°C (-13°F) to +140°C (+284°F).
Temperatures refer to theoretical working conditions in laboratory.

► **Pressure drop chart**

See at page 21

► **Installation and Brazing instructions**

See at pages 22-23-24

► **Accessories - Spare part kit**

See at pages 19-20

► **Seals compatibility**

See at page 24

