

Installation guide

**Shut-off ball valve**  
Type GBC (90bar)



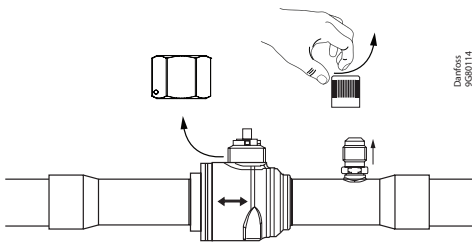
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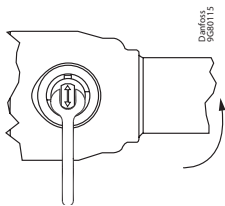
Refrigerants: R 744 (CO<sub>2</sub>)  
Max. working pressure(PS/MWP): 90 bar / 1305 psig  
Media temperature range: -40 °C - 100°C / -40 °F - 212°F

**Warning**  
Only authorized persons are allowed to operate this valve, as closing can cause build-up of excessive pressure in the system. For the application use with R744 as part of a secondary loop or cascade system should refer to the datasheet for more attentions.

Remove cap and access cap (if present)



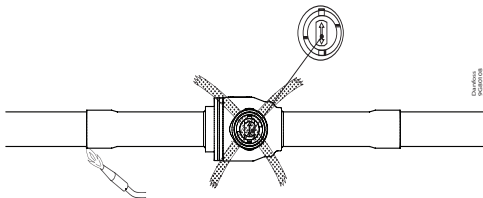
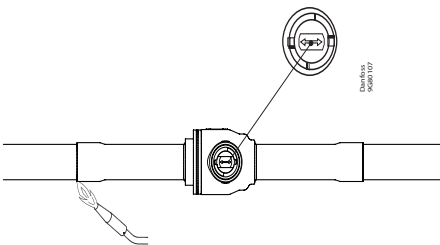
Opening valve



| Valve size | Max. torque |        |
|------------|-------------|--------|
|            | Nm          | ft-lbs |
| 6s - 22s   | 7           | 5.2    |
| 25s - 28s  | 26          | 19.2   |
| 35s        | 27          | 19.9   |
| 42s        | 48          | 35.4   |

OPEN Position

CLOSED Position



Імпортёр:ТОВ з іі "Данфосс ТОВ" 04080, Київ 80, п/с 168, Україна

Info for UK customers only: Danfoss Ltd., 22 Wycombe End, HP9 1NB, GB

**1**

6s-12s: Max. 10 sec.  
16s: Max. 20 sec.

**2**

6s-12s: Max. 5 sec.  
16s: Max. 10 sec.

**No need for wet cloth during brazing**

**3** N<sub>2</sub> gas from opposite side of soldering point.

**Install Schrader valve (if present) and cap**

**Install Schrader valve with approx. torque 0.3 Nm / 0.2 ft-lbs**

**Tighten cap**

**Tighten the cap with approx. torque**

| Valve size | Max. Torque |        |
|------------|-------------|--------|
|            | Nm          | ft-lbs |
| 6s - 12s   | 10          | 7.4    |
| 16s - 22s  | 15          | 11.0   |
| 25s - 35s  | 20          | 14.8   |
| 42s        | 32          | 23.6   |

|  | Fully closed | Fully open |
|--|--------------|------------|
|  |              |            |
|  |              |            |

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