

# Shut-off ball valve

## Type GBC H (90bar)



Refrigerants: R 744 (CO<sub>2</sub>)

Max. working pressure (PS/MWP): 90 bar / 1305 psig

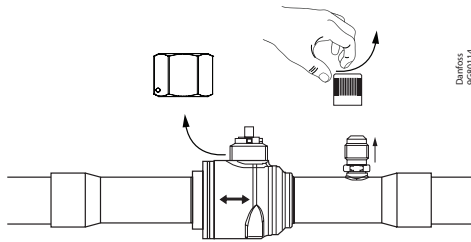
Media temperature range: -40 °C – 100 °C / -40 °F – 212 °F



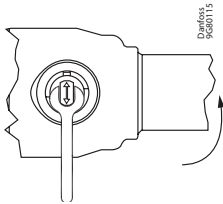
**Warning**

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)



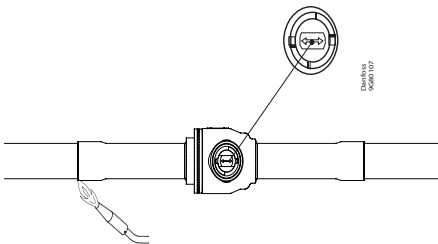
Move the spindle to OPEN position



Open/close valve with max. torque

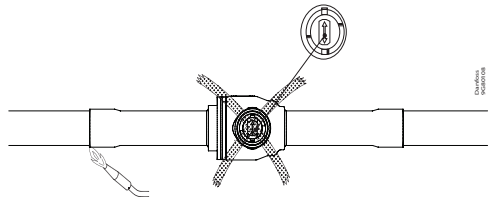
Valve size	Max. torque	
	Nm	ft-lbs
6s – 22s	7	5.2
25s – 28s	26	19.2
35s – 42s	48	35.4

OPEN Position



**Braze the valve in open position**

CLOSED Position



**Don't braze the valve in CLOSED position**

009R9666

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Імпортер: 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** Heat the connecting pipe first

**2** Then heat the valve tube connection

No need for wet cloth during brazing

Do not make torch towards the valve body

**3** Braze the valve tube with pipe  
N<sub>2</sub> gas from opposite side of soldering point.

Max. 100 °C (212 °F)  
Max. 150 °C (300 °F)  
Max. 850 °C (1562 °F)

Min. 5% Ag

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

**Tighten cap**

**Install lock ring (optional)**

**Tighten the cap with approx. torque**

Valve size	Max. Torque	
	Nm	ft-lbs
6s – 12s	10	7.4
16s – 22s	15	11.0
25s – 28s	20	14.8
35s – 42s	32	23.6

**1. The spindle position must be only in FULLY OPEN or FULLY CLOSED**

**2. Don't open / close the valve frequently within a short period**

	Fully closed	Fully open

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