

# Installation guide

## Shut-off ball valve

### Type GBC 6s to GBC 79s

009R9518

009R9518

**Refrigerants:**

R134a, R22/R407C, R404A/R507, R410A.

GBC 6s - GBC 25s can also be used for: R32

For other refrigerants, please contact Danfoss.

Applicable to all common non-flammable refrigerants, excluding R717 and to noncorrosive gases/liquids dependent on sealing material compatibility.

The design pressure shall not be less than the value outlined in Section 9.2 of ANSI/ASHRAE 15 for the refrigerant used in the system.

**Temperature range:**

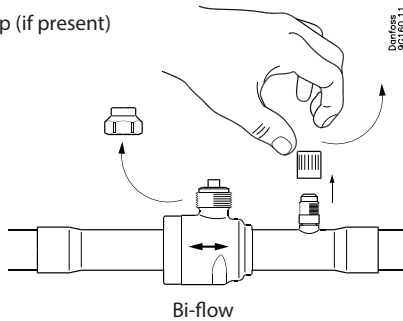
GBC 6s – GBC 42s: -40 °C – 150 °C / -40 °F – 300 °F

GBC 54s – GBC 79s: -40 °C – 121 °C / -40 °F – 250 °F

**Max. working pressure:**

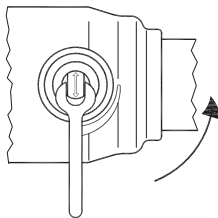
PS/MWP = 45 bar / 650 psig

**1** Remove cap and access cap (if present)



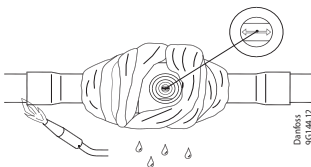
**2** Opening valve

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961462.13

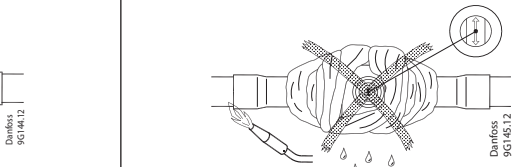


**Max. Torque**

Valve size	Nm	ft-lbs
6 - 22 s	7	5.2
25 - 28 s	17	12.6
32 - 35 s	20	14.8
38 - 54 s	34	25.2
67 - 79 s RP	34	25.2
67 - 79 s	60	44.2

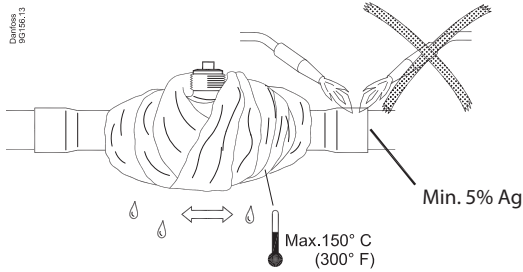


OPEN position

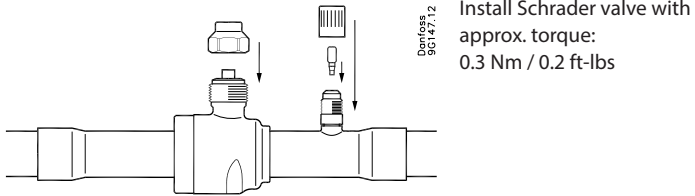


CLOSED position

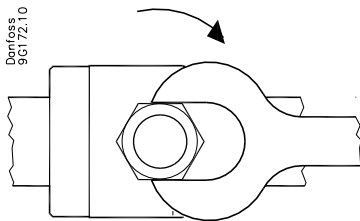
**3** Brazing



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



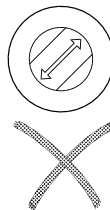
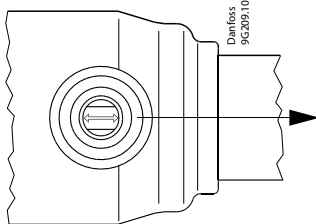
**5** Tighten cap



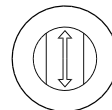
Tighten the cap with approx. torque

Max. Torque

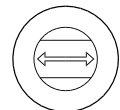
Valve size	Nm	ft-lbs
6 - 22 s	15	11.0
25 - 35 s	20	14.8
42 - 79 s	32	23.6



Fully closed



Fully open



Ball valve must always be in either FULLY OPEN or FULLY CLOSED position