

Installation guide

Shut-off ball valve

Type GBC 6s to GBC 79s

009R8518

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Refrigerants:

R134a, R22/R407C, R404A/R507, R407A, R407F, R410A, R448A, R449A, R452A, R513A, R450A, R1234ze
GBC 6s - GBC 25s can also be used for: R32, R454B, R452B, R290

For complete list of approved refrigerants, go to <http://products.danfoss.com/all-products/>

Temperature range:

GBC 6s - GBC 42s: -40 °C - 150 °C (short term for 150 °C) / -40 °F - 300 °F (short term for 300 °F)

For long term use in high temperature application, please consult Danfoss.

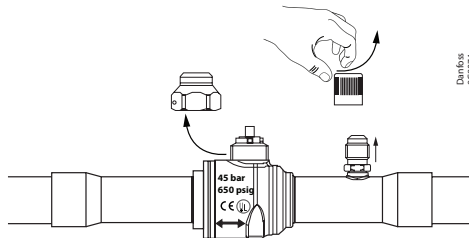
GBC 54s - GBC 79s: -40 °C - 121 °C / -40 °F - 250 °F

Max. working pressure: PS/MWP = 45 bar / 650 psig

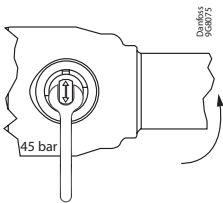


Warning: Applicable to all common non-flammable refrigerants, excluding R717 and to noncorrosive gases/liquids dependent on sealing material compatibility.
The design pressure shall not be less than the value outlined in Section 9.2 of ANSI/ASHRAE 15 for the refrigerant used in the system.

Remove cap and access cap (if present)

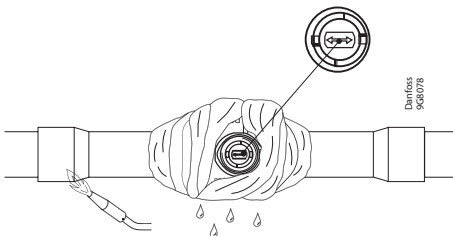


Opening valve

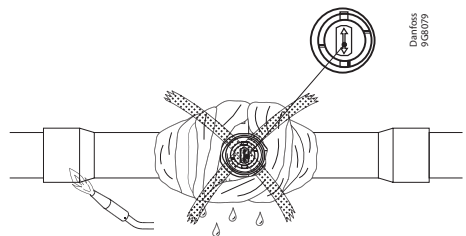


Valve size	Max. Torque	
	Nm	ft-lbs
6s - 22s	7	5.2
25s - 28s	17	12.6
32s - 35s	20	14.8
38s - 54s	34	25.2
67s - 79s RP	34	25.2
67s - 79s	60	44.2

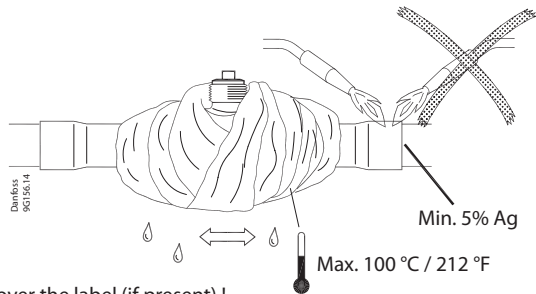
OPEN Position



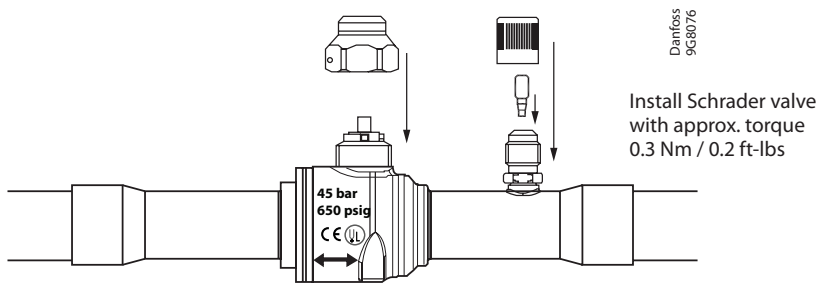
CLOSED Position



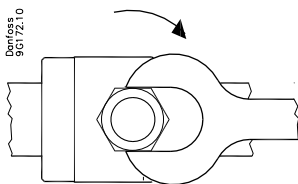
Brazing (Copper and Copper alloy)



Install Schrader valve (if present) and cap

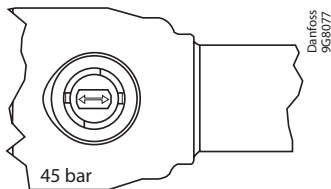


Tighten cap



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 - 79s	32	23.6



	Fully closed	Fully open