

Installation guide

Shut-off ball valve for R744 (45 bar/650 psi) Type GBC 6s to GBC 42s

009R9507

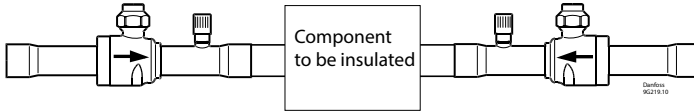
009R9507

Refrigerant: R744 (CO₂)
Temperature range: -40 – 150 °C / -40 – 300 °F

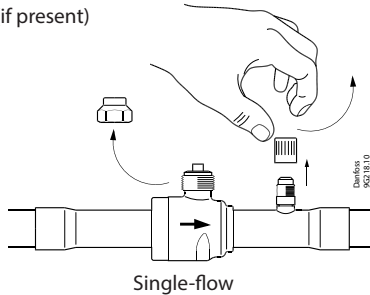
Max. working pressure (PS/MWP):
45 bar/650 psi

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.

Warning: Only authorized persons are allowed to operate this valve, as closing can cause build-up of excessive pressure in the system.

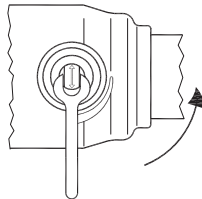


1 Remove cap and access cap (if present)

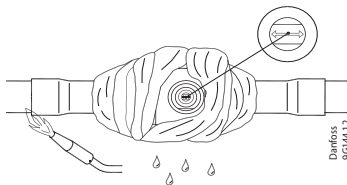


2 Opening valve

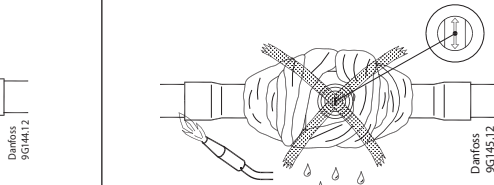
Danfoss
9G162.13



Valve size	Max. Torque	
	Nm	ft-lbs
6s - 22s	7	5.2
28s	17	12.6
35s	20	14.8
42s	34	25.2

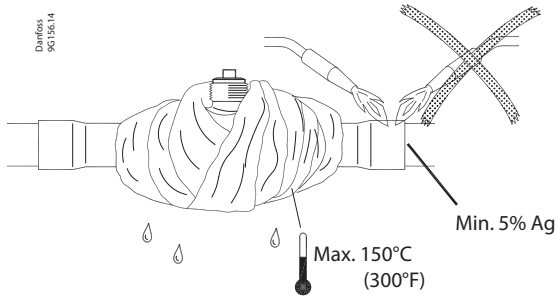


OPEN position

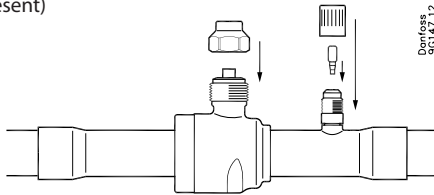


CLOSED position

3 Brazing

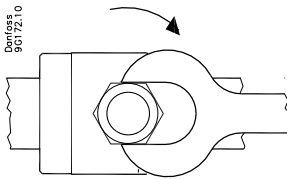


4 Install Schrader valve and cap (if present)



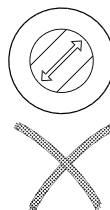
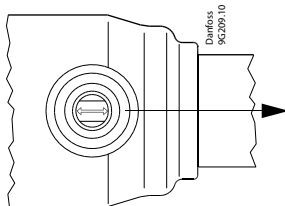
Install Schrader valve with approx. torque 0.3 Nm / 0.2 ft-lbs

5 Tighten cap

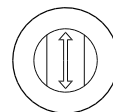


Tighten the cap with approx. torque

Valve size	Max. Torque	
	Nm	ft-lbs
6s - 22s	15	11.0
28s - 35s	20	14.8
42s	32	23.6



Fully closed



Fully open

