

Installation guide

Shut-off diaphragm valve

Type BML and BMT

009R9663

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Refrigerants:

R134a, R22/R407C, R404A/R507, R32, R290, R600, R600a, R1270, R513A, R450A, R1234ze, R1234yf.
Note: Only solder versions are allowed for flammable refrigerant.

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

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

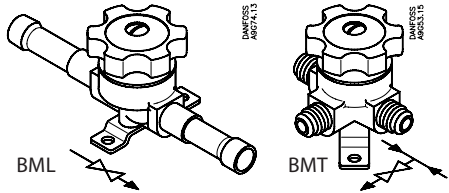
The design pressure shall not be less than the value outlined in Section 9.2 of ANSI / ASHRAE 15 for the refrigerant used in the system.

Media Temperature:

Min. -55 °C / -67 °F
 Max. 100 °C / 212 °F

Working Range:

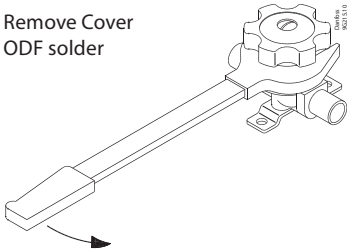
$\Delta p = -1 - 21 \text{ bar} /$
 $-14 - 304 \text{ psig}$



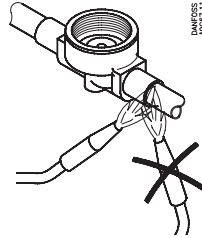
Max. Working Pressure:

PS/MWP = 28 bar / 406 psig

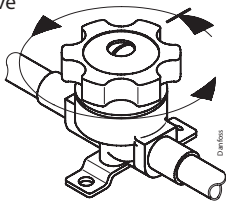
- 1** Remove Cover
ODF solder



- 2** Soldering
ODF solder

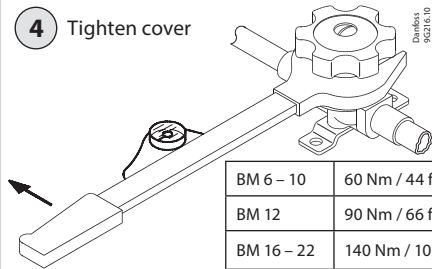


- 3** Open valve



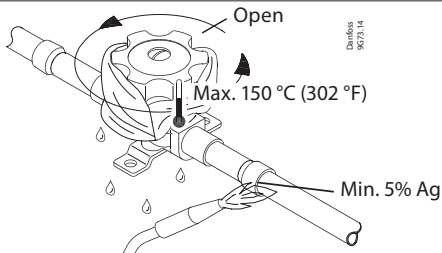
Must be fully open

- 4** Tighten cover



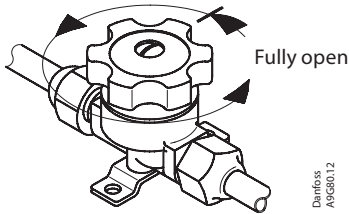
BM 6 - 10	60 Nm / 44 ft-lbs
BM 12	90 Nm / 66 ft-lbs
BM 16 - 22	140 Nm / 103 ft-lbs

- 1** Soldering
ODF solder (extended ends)

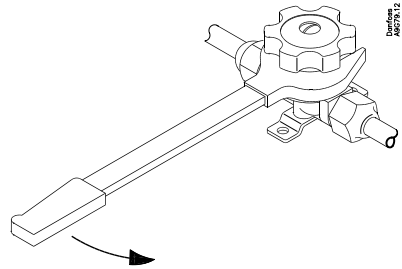


Service kit installation

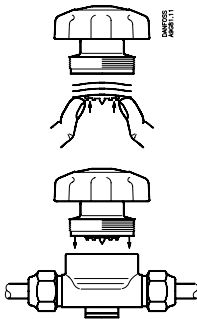
1 Open Valve



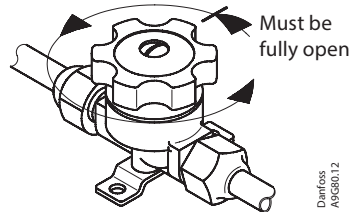
2 Remove Cover



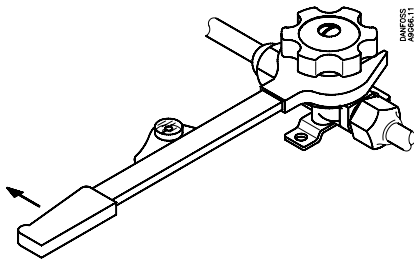
3 Replace diaphragm



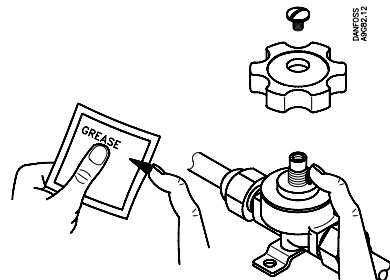
4 Open valve



5 Tighten cover



6 Smear grease



BM 6 – 10	60 Nm / 44 ft-lbs
BM 12	90 Nm / 66 ft-lbs
BM 16 – 22	140 Nm / 103 ft-lbs