

Installation guide

# Shut-off diaphragm valve

## Type BML and BMT

009R9663

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**Refrigerants:**

For a complete list of approved refrigerants, visit <http://store.danfoss.com/> and search for individual code numbers, where refrigerants are listed as part of product details.

**Note:** Flare connection is only approved for A1 and A2L refrigerants.

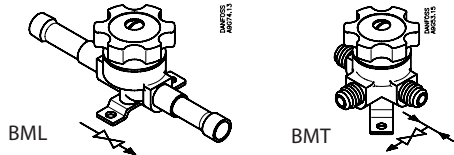
Applicable to A1, A2, A2L and A3 refrigerants as accepted by Danfoss, excluding R717 and to non-corrosive gases/liquids dependent on sealing material compatibility. The design pressure shall not be less than the value outlined in section 9.2 of ANSI/ASHRAE 15 for the refrigerant used in the system.

**Media Temperature:**

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

**Working Range:**

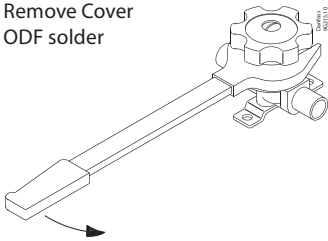
$\Delta p = -1 - 21 \text{ bar} /$   
 $-14 - 304 \text{ psig}$



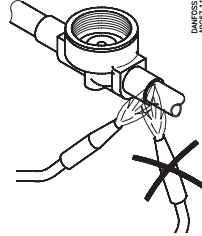
**Max. Working Pressure:**

PS/MWP = 28 bar / 406 psig

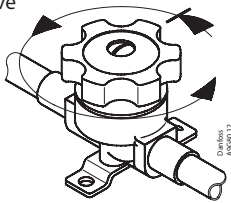
- 1** Remove Cover  
ODF solder



- 2** Soldering  
ODF solder

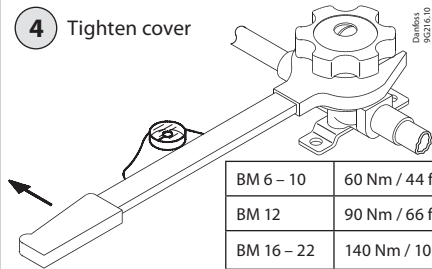


- 3** Open valve



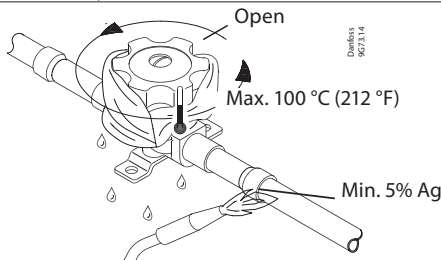
Must be fully open

- 4** Tighten cover



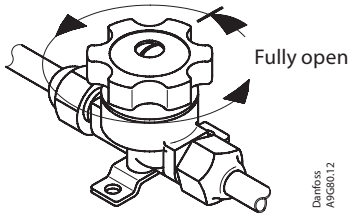
BM 6 - 10	60 Nm / 44 ft-lbs
BM 12	90 Nm / 66 ft-lbs
BM 16 - 22	140 Nm / 103 ft-lbs

- 1** Soldering  
ODF solder (extended ends)

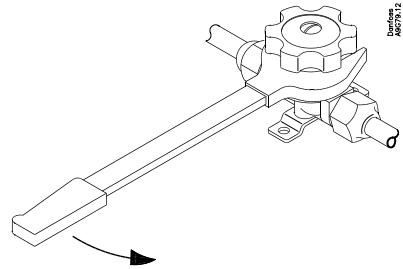


### Service kit installation

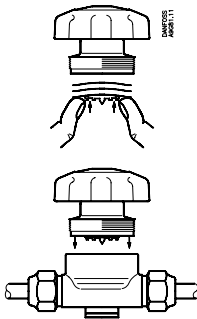
**1** Open Valve



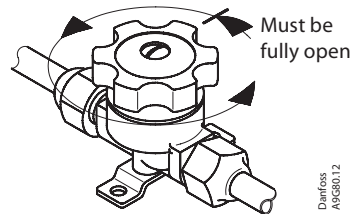
**2** Remove Cover



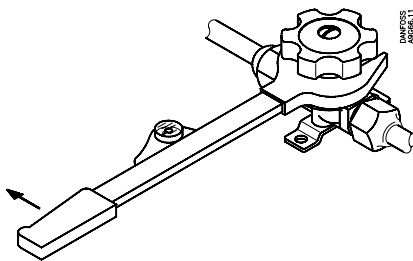
**3** Replace diaphragm



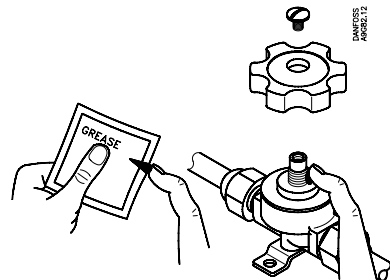
**4** Open valve



**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