

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

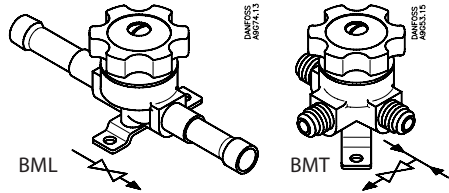
Max. 100 °C / 212 °F

**Working Range:**

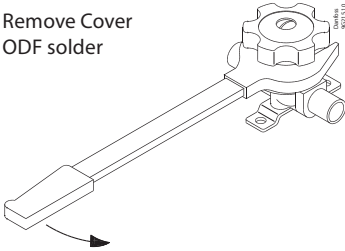
$\Delta p = -1 - 21 \text{ bar} /$   
-14 - 304 psig

**Max. Working Pressure:**

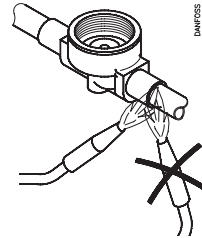
PS/MWP = 28 bar / 406 psig



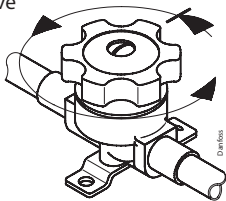
- 1** Remove Cover  
ODF solder



- 2** Soldering  
ODF solder

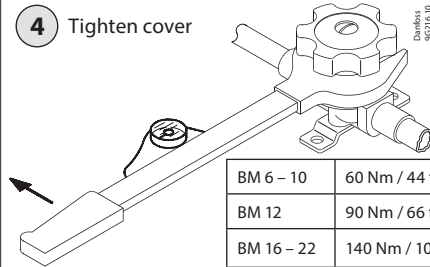


- 3** Open valve



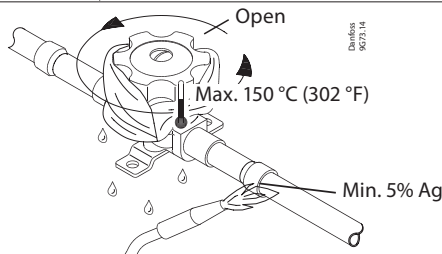
Must be  
fully open

- 4** Tighten cover



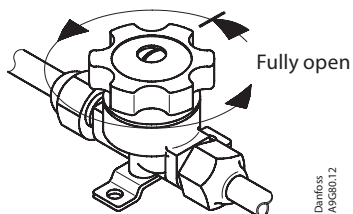
BM 6 - 10	60 Nm / 44 ft-lbs
BM 12	90 Nm / 66 ft-lbs
BM 16 - 22	140 Nm / 103 ft-lbs

- 1** Soldering  
ODF solder (extended ends)

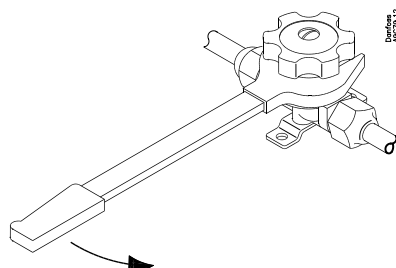


## Service kit installation

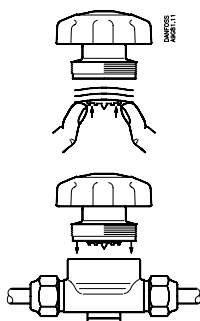
### 1 Open Valve



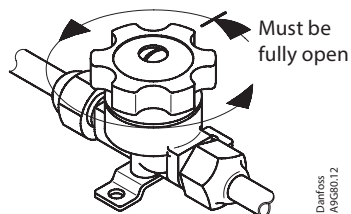
### 2 Remove Cover



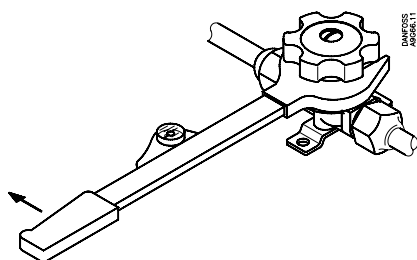
### 3 Replace diaphragm



### 4 Open valve



### 5 Tighten cover



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

### 6 Smear grease

