

**Danfoss**  
BML Shut Off  
Valve Flare



## Danfoss BML Shut Off Valve Flare Installation Guide

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**Danfoss**

**Danfoss BML Shut-Off Valve Flare**



## Specifications

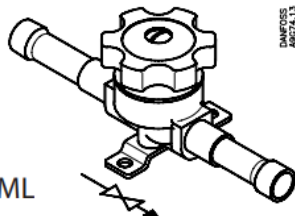
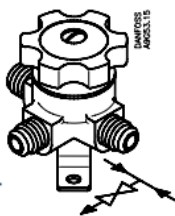
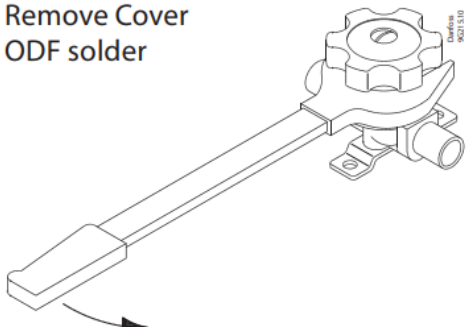
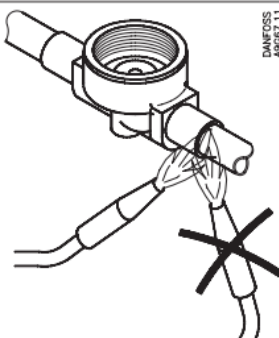
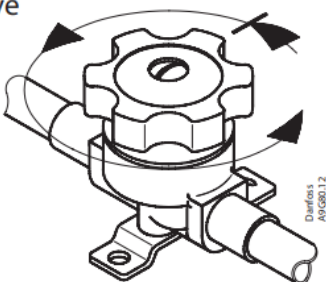
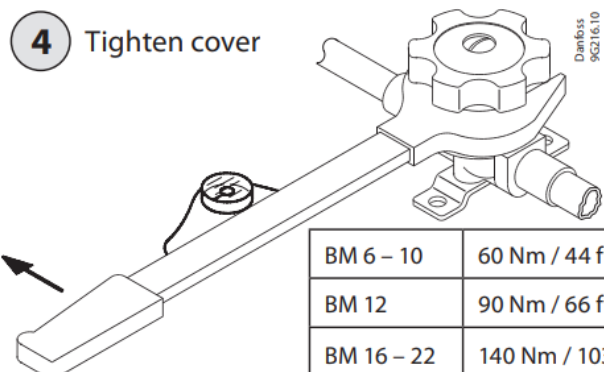
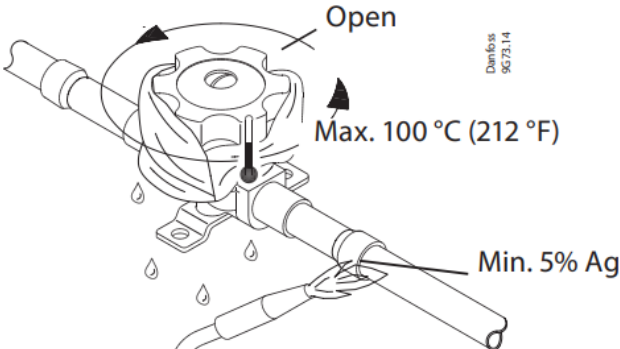
- Model Number: 009R9663
- Refrigerants: A1, A2, A2L, A3 (excluding R717)
- Max. Working Pressure: 28 bar / 406 psig

## 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 R71, 7, 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.

<b>Media Temperature:</b> Min. -55 °C / -67 °F Max. 100 °C / 212 °F		<b>Working Range:</b> $\Delta p = -1 - 21 \text{ bar} /$ $-14 - 304 \text{ psig}$		 BML		 BMT							
<b>Max. Working Pressure:</b> 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 <table border="1" data-bbox="1074 904 1458 1050"><tr><td>BM 6 – 10</td><td>60 Nm / 44 ft-lbs</td></tr><tr><td>BM 12</td><td>90 Nm / 66 ft-lbs</td></tr><tr><td>BM 16 – 22</td><td>140 Nm / 103 ft-lbs</td></tr></table>				BM 6 – 10	60 Nm / 44 ft-lbs	BM 12	90 Nm / 66 ft-lbs	BM 16 – 22	140 Nm / 103 ft-lbs
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)  Open Max. 100 °C (212 °F) Min. 5% Ag													

## Product Information

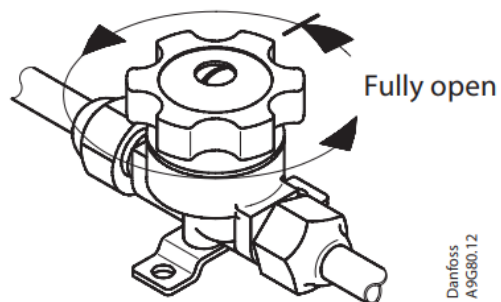
The product is designed to work with approved refrigerants as listed on the Danfoss website. It is suitable for A1, A2, A2L, and A3 refrigerants accepted by Danfoss, excluding R717. The design pressure must meet the requirements outlined in section 9.2 of ANSI/ASHRAE 15 for the specific refrigerant used.

## Installation Steps

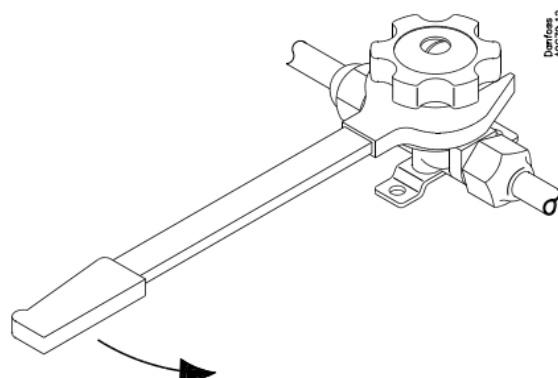
1. Remove Cover ODF solder using Danfoss 9G215.10, BML, BMT
2. Solder ODF solder with Danfoss 9G216.10
3. Open then valve fully
4. Solder ODF solder with extended ends using Danfoss A9G80.12
5. Tighten cover to specified torque values: 60 Nm / 44 ft-lbs, 90 Nm / 66 ft-lbs, 140 Nm / 103 ft-lbs with Danfoss 9G73.14

## Service Kit Installation

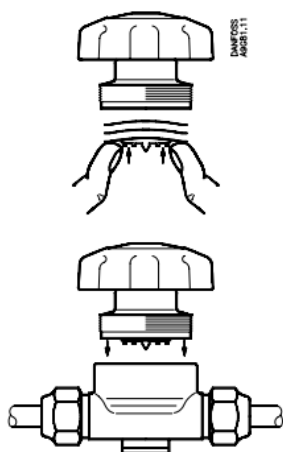
### 1 Open Valve



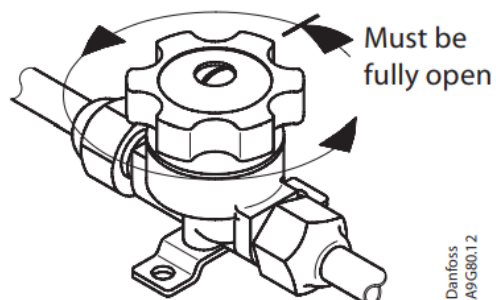
### 2 Remove Cover



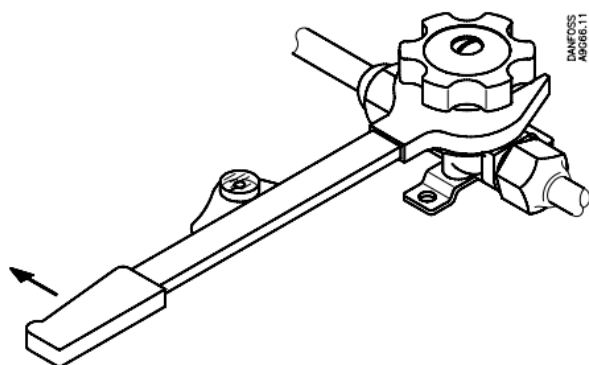
### 3 Replace diaphragm



### 4 Open valve

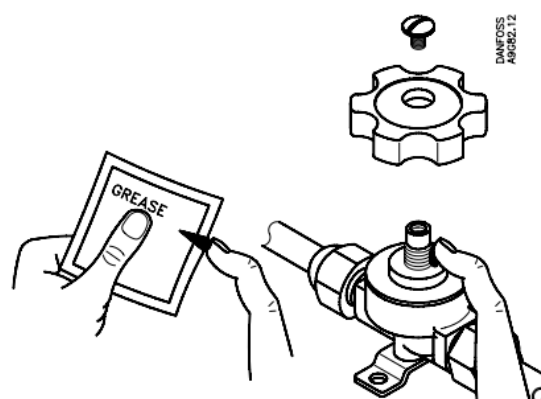


### 5 Tighten cover



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



1. Open the Valve fully.
2. Remove Cover

3. Replace diaphragm
4. Open the valve fully
5. Tighten cover to specified torque values: 60 Nm / 44 ft-lbs, 90 Nm / 66 ft-lbs, 140 Nm / 103 ft-lbs with Danfoss A9G80.12.
6. Apply grease

## FAQs

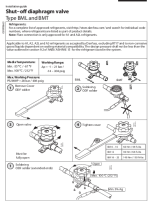
**Q: Which refrigerants are approved for use with the product?**

A: Approved refrigerants include A1, A2L, and A2. For a complete list, refer to the Danfoss website.

**Q: What is the maximum working pressure of the product?**

A: The maximum working pressure is 28 bar / 406 psig.

## Documents / Resources

	<p><a href="#">Danfoss BML Shut Off Valve Flare</a> [pdf] Installation Guide BML Shut Off Valve Flare, BML, Shut Off Valve Flare, Valve Flare, Flare</p>
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## References

- [User Manual](#)

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