

Installation guide

Check and Stop valve

Type OFC

UK
CA

Refrigerant:

UL listed for R134a, R513A and R515B. CE approved for fluid group 2, including R1234ze(E)

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

Oil: OFC valve is designed for an oil-free environment

Media Temperature:

Min. 0 °C / 32 °F

Max. 90 °C / 194 °F, short term up to 100°C / 212°F

Max. Working Pressure:

PS/MWP = 23 bar / 334 psig

Contents of accessory box

- Outlet flange for 3 1/8 in. copper tube
- Outlet flange fasteners
- O-ring for outlet flange
- O-ring lubrication (2 gram)
- Additional check valve springs (2 pcs):
 - Yellow spring, for 45° down orientation
 - Red spring, for horizontal orientation

Installation:

Install valve directly on Danfoss Turbocor compressor, picture shown with vertical down installation.

Protect the valve from impact in the installation.

All fasteners and bolts require stainless steel. Bolts with minimum class A2-70.



NOTE: Protection of entire valve including steel flange is recommended after installation for outdoor use.

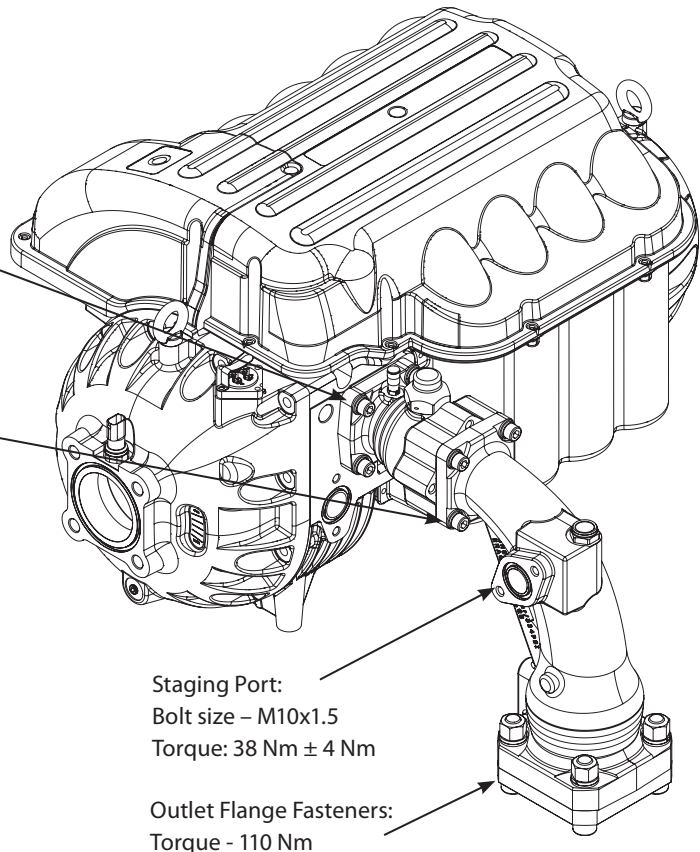
Reference specific compressor requirements

Ball valve clocking may be changed by removing bolts and rotating ball valve housing without retracting the ball valve assembly away from the elbow.



NOTE: refer to check valve orientation options below

Torque: 38 Nm ± 4 Nm



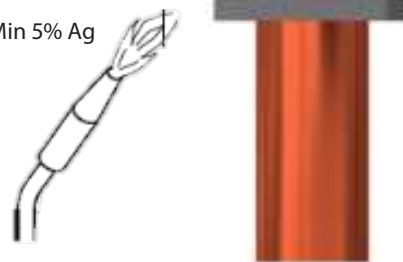
Info for UK customers only: Danfoss Ltd. Oxford Road, UB9 4LH Denham, UK.

Outlet Flange Brazing:
Place outer flange on evenly cut copper pipe



NOTE: ensure flange is not mounted on main housing during brazing

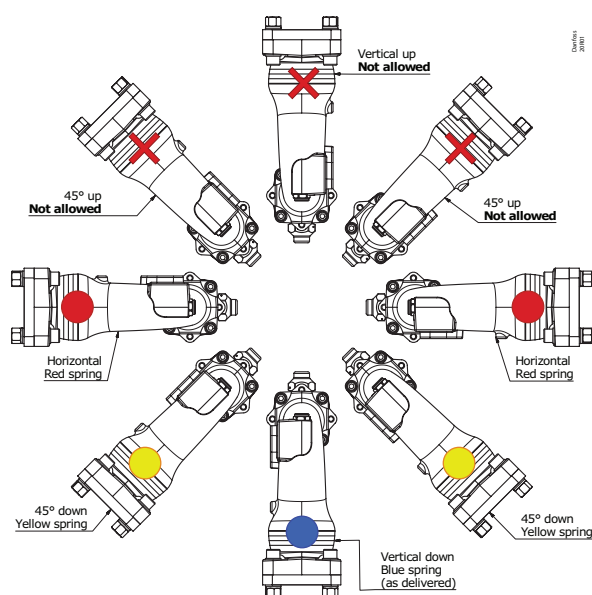
Min 5% Ag



Orientation:



NOTE: Check valve spring must be changed when using any orientation other than vertical downing



When changing check valve spring:

1. Remove check valve insert from main housing
2. Remove check valve head
3. Remove spring and replace with correct color based on intended orientation
4. Replace check valve head and insert
5. Install outlet flange, O-ring and fasteners



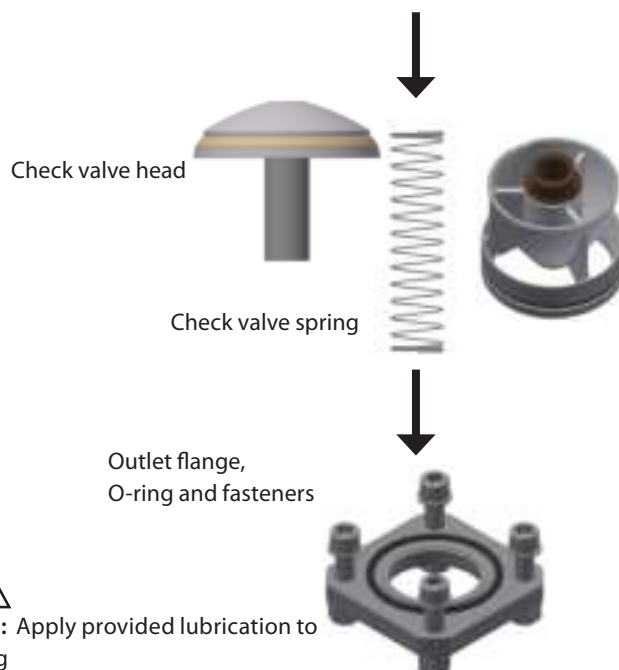
Main housing

Check valve insert



NOTE: Use silicone lubricant spray at O-ring if needed

Always replace lock ring and cap after opening/ closing the ball valve



Check valve head

Check valve spring

Outlet flange,
O-ring and fasteners



NOTE: Apply provided lubrication to O-ring