

020R5421

## Installation guide

# **Check and Stop valve**

Type OFC

# 020R5421 **Refrigerant:**

### R134a, R513A, R515B, 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

### Max. Working Pressure: Media Temperature: PS/MWP = 23 bar / 334 psig Min. -40 °C / -40 °F Max. +100 °C / +212 °F Contents of accessory box Outlet flange (1 pcs) Solder staging flange for dual staging port (1 pc) Outlet flange fasteners M16x70 (4 pcs) Blind flange for dual staging port (1 pc) . Nut M16 for outlet flange (4 pcs) Staging port fasteners M10x35 (4 pcs)

- Spring washer M16 for outlet flange (4 pcs)
- . Plain washer M16 for outlet flange (4 pcs)
- O-ring for outlet flange/GBC (1 pcs) .
- O-ring lubrication (2 gram)
- Inlet flange fasteners M10x40 (4 pcs)
- Spring washer M10 for inlet flange (4 pcs)
- Plain washer M10 for inlet flange (4 pcs)

### Interface Connections:

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

Ball valve clocking may be changed by removing bolts and rotating ball valve housing without retracting the ball valve assembly away from the elbow (for the type of check and stop valve).

NOTE: refer to check valve orientation options below

Torque: 38 Nm ± 4 Nm

For dual staging port version:

1. Assign a staging port flow direction. (Left or right side) 2. Install the blind flange, O-ring and fasteners to block the opposite direction.

3. Install outlet flange, O-ring and fasteners.

# **Outlet Flange Brazing:**

Place outer flange on evenly cut copper pipe

# NOTE:

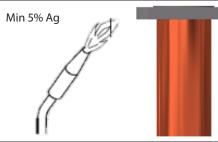
- Ensure flange is not mounted on main housing during brazing.
- 2. GBC can be pre-assembled by Danfoss or installed at customer end. Torque - 110Nm.

Spring washer M10 for staging port (4 pcs) Plain washer M10 for staging port (4 pcs) O-ring for staging port (2 pcs) Additional check valve springs (2 pcs): Yellow spring, for 45°->89° orientation Red spring, for 90°->134° orientation

> Staging Port: Bolt size – M10x35 Torque: 38 Nm ± 4 Nm

> > Outlet Flange Fasteners Torque - 110 Nm

Sight glass: Torque - 50 Nm with Loctite (648)



gB



