

KIT O-RING DISCHARGE

110078.



Installation and servicing of Danfoss Turbocor® compressors by qualified and product trained personnel only. Follow these instructions and sound refrigeration/electrical/servicing practices relating to installation, commissioning, maintenance and service.

<p>Consult the appropriate DTC Service Manual on turbocor.danfoss.com for detailed service instructions.</p>	<p>Never power compressor without covers in place and secured.</p> <p>Opening the drive panel will expose you to a voltage hazard of up to 575V AC and 900V DC. Ensure the mains input power is off and locked out before opening panel.</p> <p>Before opening the drive panel, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to</p>	<p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p>This equipment contains hazardous voltages that can cause serious injury or death.</p>	<p>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</p>
--	--	---	---

1 - Introduction:

The Discharge O-ring prevents refrigerant pressure from escaping from the mating surfaces at the Discharge port.

2 - Handling and Storage:

1. The O-ring should be stored in the original packaging.
2. The O-ring should be kept free of debris and damage to ensure a leak-free seal during installation.

3 - Safety Notices:

- ⚠ Frequency converters contain dangerous voltages when connected to mains voltage. Do not disassemble when power is applied.
- ⚠ Isolation and recovery of refrigerant must be performed by a qualified service technician adhering to industry standards.

4 - Service Manual

Always refer to the VTT Service Manual for full detail on the removal and assembly steps.

5 - Leak Detection:

1. Leak test compressor to maximum 207psi (14.3bar, 1427kPa).
 - ⚠ Do not use oxygen or dry air; this could cause fire or explosion.
 - ⚠ Do not use leak detection dye in the refrigerant circuit.
2. If a leak is detected, repair leak and repeat leak detection.

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

6 - Vacuum Dehydration:

1. Connect a Vacuum pump to the high and low pressure sides of the compressor.
 2. Evacuate compressor under a vacuum less than 500µm Hg (.67mbar).
- ⚠ Do not connect Mega Ohmmeter while the compressor is under a vacuum; this may cause damage.
-

7 - Filling (Charging) System:

1. Return the recovered refrigerant back to the system and open any previously closed isolation valves.
- ⚠ Ensure no oil enters the system by using fresh recovery tanks and clean hoses.
2. Ensure the charge is correct for the system application.
-

8 - Maintenance:

1. Verify connections and fasteners are tight
 2. Test for leak around sealing surfaces.
-



9 - Warranty:

1. This Danfoss Turbocor part is covered by the standard spare part warranty agreement.
-

10 - Disposal:

1. Follow local regulations regarding waste disposal.
-

11 - Kit Contents

Kit numbers	Compressor models	
110078	VTT	
QTY	Part(s) Description	Picture(s)
1	O-RING - #2-354	
1	LUBRICATION-SUPER-O-LUBE-2G	

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.