


# KIT O-RING PORTS CONNECTIONS

110091.

 <p><b>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.</b></p>			
<p>Consult the appropriate DTC Service Manual on <a href="http://turbocor.danfoss.com">turbocor.danfoss.com</a> for detailed service instructions.</p>	<p><b>Never power compressor without covers in place and secured.</b></p> <p><b>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.</b></p> <p><b>Before opening the drive panel, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.</b></p>	<p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p><b>This equipment contains hazardous voltages that can cause serious injury or death.</b></p>	<p><b>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</b></p>

## 1 - Introduction:

The O-rings contained in this kit prevent refrigerant pressure from escaping the compressor ports.

## 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.

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**6 - Vacuum Dehydration:**

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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.
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**7 - Filling (Charging) System:**

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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.
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**8 - Maintenance:**

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

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





**10 - Disposal:**

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1. Follow local regulations regarding waste disposal.
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**11 - Kit Contents**

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Kit numbers	Compressor models	
110091	VTT	
QTY	Part(s) Description	Picture(s)
1	O-RING - #2-331	
1	O-RING - #2-354	
1	O-RING - #2-365	
1	O-RING - #2-212	
1	O-RING - #2-217	
1	O-RING - #2-222	
2	LUBRICATION-SUPER-O-LUBE-2G	

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