

# KIT STRAINER FOR COOLING ADAPTOR

100186, 100186-1

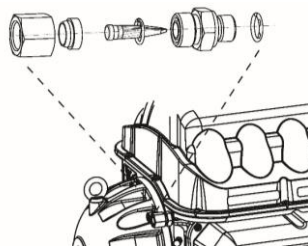


**Installation and servicing of Danfoss Turbocor® compressors by qualified and product trained personnel only. Follow these instructions and sound refrigeration/electrical/servicing practices relating to installation, commissioning, maintenance and service.**

<p>Consult the appropriate Danfoss Turbocor Compressors Inc. (DTC) Service Manual on <a href="http://www.turbocoroem.com">www.turbocoroem.com</a> for detailed service instructions.</p>	<p><b>Never power compressor without covers in place and secured.</b></p> <p><b>Removing the mains input cover will expose you to a voltage hazard of up to 575V. Ensure the mains input power is off and locked out before removing cover.</b></p> <p><b>Before removing top cover, 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>
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1 - Introduction:

STRAINER FOR COOLING ADAPTOR Removal and Installation Instructions.



This kit contains the Strainer and O-ring for the Cooling Adapter. Please refer to our Service Manual for details regarding the replacement of the Interstage Pipe O-rings and fasteners.

We have made the **TTS/TGS/TTH/TGH Service Manual** available to anyone. To access the manual, you may scan the applicable QR code below or you may go to our DTC website at [www.turbocoroem.com](http://www.turbocoroem.com). At the top of the page there is a pull-down menu called "Quick Links." Click this menu and select the appropriate service manual.

Refer to the applicable QR code below to download the TTS/TGS/TTH/TGH Service Manual.

**English**



**Chinese**



2 - Replacement Instructions:

- It is far more desirable to take care in installation identifying and inspecting 'O' Rings than to repeatedly overhaul components with faulty seals.
- 1. Ensure that the area used for installations is clean and free from all contamination.
- 2. Assembly must be made with care so that the components is properly placed in the cooling inlet and not damaged as the housing is closed.
- 3. Close suction, discharge, economized and cooling line valves
- 4. Disconnect cooling line by loosening the CAP 3/8" SAE FLARE SEALING NUT and remove strainer.
- 5. If you need to use the new cap SAE flare sealing nut you may need to remove flare neck or cut the cooling line to assemble the new one.
- 6. Clean the threads and cooling line inlet using a soft brush



3 - STRAINER FOR COOLING ADAPTER Removal Instruction:

1. Isolate compressor power.
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Ensure that the area used for installations is clean and free from all contamination.
4. Assembly must be made with care so that the components are properly placed in the cooling inlet and not damaged as the housing is closed.
5. Close the suction, discharge, economizer, and cooling line valves.
6. Disconnect the cooling line and remove the strainer.
7. If you need to use the new cap SAE flare sealing nut you may need to remove flare neck or cut the cooling line to assemble the new one.
8. Clean the threads and cooling line inlet using a soft brush
9. Do not blow air in to the cooling inlet to clean it. Air flow can force particles and contamination into the cooling path and cause valves to malfunction.

4 - STRAINER FOR COOLING ADAPTER Installation Instruction:

1. Insert the new strainer into the adapter.
2. Align the cooling line with the inlet of the adapter.
3. Tighten the sealing nut.
4. Leak test and evacuate compressor in accordance with standard industry practices.
5. Return the compressor to normal operation.

5 - Kit Contents:

QTY	Part(s) Description	Picture(s)
1	STRAINER - ADAPTER, SCREEN FITTING	
1	O-RING	

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