

# KIT STRAINER FOR COOLING ADAPTOR

100215



**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://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>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.

2 - Removing Refrigerant from Compressor:

- Recover refrigerant from compressor in accordance with local codes and practices.

3 - 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. Disconnect 3 phase mains input wiring.
  2. Ensure that the area used for installations is clean and free from all contamination.
  3. 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.
  4. Close suction, discharge, economizer, and cooling line valves.
  5. Disconnect cooling line by loosening the CAP 3/8" SAE FLARE SEALING NUT and remove strainer.

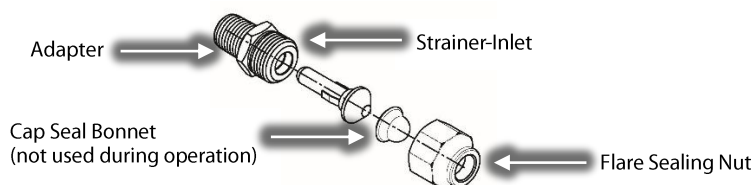
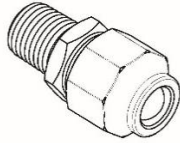


Figure 1 – Strainer Assembly

6. 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.
7. Clean the threads and cooling line inlet using a soft lint-free brush.
8. Don't blow compressed air into the cooling inlet to clean it. Air flow can force particles and contamination into the cooling path and cause valves to malfunction.
9. Insert the strainer into the adapter.
10. Align the cooling line with the inlet of the adapter.
11. Apply thread sealant such as Loctite to the threads.
12. Tighten the cap 3/8" SAE FLARE SEALING NUT UP TO 45 Nm (ft.lb.).
13. Leak test and vacuum as per industry standards.
14. Charge with refrigerant.
15. Apply mains power to the compressor.

Kit Contents

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

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