



# KIT COOLING ORIFICE

100236, 100237, 100238, 100239, 100240.



**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:

COOLING ORIFICE Removal and Installation Instructions.

This kit contains the Orifice Valve. Please refer to our Service Manual for details regarding the replacement of the valve.

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 - COOLING ORIFICE Removal Instructions:


1. Isolate compressor power.
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove the Service Side Cover.
4. Remove the Solenoid Retaining Nut.
5. Remove the Solenoid.
6. Note and mark solenoid location as left or right solenoid (Motor or electronics) as coils will be required to be reinstalled on the same plunger.
7. Remove the Solenoid Tube/Plunger.
8. Remove the Orifice Valve.
9. Discard the old O-rings.

**NOTE:** New O-rings must be used. Refer to Kit 100242.

3 - COOLING ORIFICE Installation Instructions:

1. Install the new O-rings for the Orifice Valve.
2. Install the Orifice Valve.
3. Check that the plunger moves freely by exercising action of spring by hand ~10 cycles.
4. Install the Solenoid Tube/Plunger.
5. Install the Solenoid.
6. Install the Solenoid Retaining Nut.
7. Install the Service Side Cover.
8. Leak test and evacuate compressor in accordance with standard industry practices.
9. Return the compressor to normal operation.

4 - Kit Contents:

QTY	Part(s) Description	Picture(s)
1	Orifice Body: Cooling Solenoid (Not Including O rings)	

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