




# KIT COOLING VALVES ASSEMBLY

100150, 100150-1, 3, 4, 5, 6, 7, 8, 9, 10, 11, & 12.

 <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 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>

## 1 - Introduction

COOLING VALVES ASSEMBLY Removal and installation.

This kit contains the two (2) Orifice Solenoid Valve, solenoid tubes, and all of the associated hardware and O-rings. Please refer to our Service Manual for details regarding the replacement of the Orifice Solenoid Valves.

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 - ORIFICE SOLENOID VALVES Removal Procedure:

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 Nuts.
5. Remove the Solenoid Actuator Coils.
6. Remove the Solenoid Tube/Plungers.
7. Remove the Orifice Valves.
8. Discard the old O-rings.

3 - ORIFICE SOLENOID VALVES Installation Instruction:

1. Install the new Orifice Valves.
2. Install the new O-rings for the Solenoid Tube/Plungers.
3. Install the Solenoid Tube/Plungers.
4. Install the Solenoid Actuator Coils.
5. Install the Solenoid Retaining Nuts.
6. Install the Service Side Cover.
7. Leak test and evacuate compressor in accordance with standard industry practices.
8. Return the compressor to normal operation.

4 - Kit Contents

QTY	Part(s) Description	Picture(s)
2	SOLENOID OPERATOR TUBE, PLUNGER AND SEAL SUB ASSY	
2	NUT-SPECIAL-SOLENOID VALVE	
2	WASHER BEVELED DISC. SOLENOID VALVE Ø13.8xØ8.7x0.5 (Not included in 100150-6)	
2	O-RING - E0740 2-010	
2	O-RING - E0740 2-017	
2	VALVE - ORIFICE SOLENOID (sizes depends on application)	
1	LUBRICATION-SUPER-O-LUBE-2G	

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