



KIT IFV PIPE ASSEMBLY

110066.



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

This kit contains the IntraFlow™ valve (IFV) Pipe Assembly. Please refer to our Service Manual for details regarding the replacement of this component.

We have made the **VTT/VTX 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. 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 VTT/VTX Service Manual.

English



Chinese



2 - IFV PIPE ASSEMBLY Removal Instructions

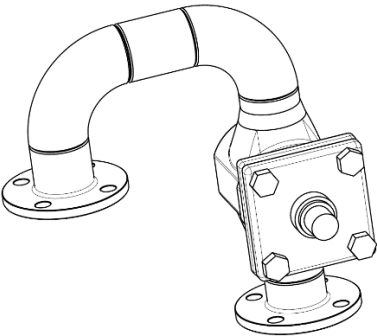




1. Isolate VTT/VTX power as described in Section “Electrical Isolation of the VFD” of the Service Manual (M-SV-VT-001).
2. Isolate the compressor and recover the refrigerant according to industry standards.
3. Remove wires from the IFV Actuator.
4. Remove the set screws from the IFV Actuator Drive Shaft.
5. Remove the IFV Actuator from the IFV Actuator Drive Shaft.
6. Remove the fasteners from the suction side of the IFV pipe assembly.
7. Remove the fasteners from discharge side of the IFV pipe assembly.
8. Remove the IFV Pipe Assembly and O-rings.

3 - IFV PIPE ASSEMBLY Installation Instructions

1. Lubricate and place the O-rings on the IFV suction and discharge side flanges.
2. Place the IFV pipe into position and install the fasteners.
3. Install the IFV Actuator to the IFV Actuator Drive Shaft.
4. Install and tighten the set screws to the IFV Actuator Drive Shaft.
5. Attach the wires to the IFV Actuator.
6. Leak test and evacuate compressor in accordance with standard industry practices.
7. Return the compressor to normal operation.
8. Test run the compressor to verify proper operation.

4 - Kit Contents

Note: Any part numbers included in the kit contents are internal part numbers only. Please refer to our Spare Parts Manuals for any kit part numbers.

Kit numbers	Compressor models	
110066	VTT	
QTY	Part(s) Description	Picture(s)
1	ASSEMBLY – IFV PIPE	
8	SCREW, M14 – 902645	
8	WASHER, M14 SPLIT – 902303	
8	WASHER, M14 FLAT – 902143	
2	O-RING – IFV Pipe – 920333	
1	LUBRICATION-SUPER-O-LUBE-2G	