

TraxOil Electronic Oil Level Control Installation Instructions

Installation Instructions

- After de-pressurization of compressor and electrical isolation, the system is ready for TraxOil installation.
- If space is limited, coil and cables (CAB301 & CAB302) should be mounted prior to installation on the compressor. Mount coil, connect cable assemblies to the TraxOil and coil.
- The TraxOil unit must be installed horizontally to function properly, plus or minus 1°.
- Use mounting torques specified by compressor manufacturer.

Flange Type Adaptors: Models TR3201, 3205 & 3207

TraxOil unit is ready to install. Please do not disassemble.

- Remove sight glass from compressor. Mount O-ring to adaptor.
- Mount TraxOil to the compressor's sight glass connection.
- Use the original sight glass screws; threads differ depending on compressor model.

Screw Type Adaptors: Models TR3202, TR3203, TR3204, TR3210, TR3212 & TR3214

- Remove coil from valve before tightening/loosening sight glass assembly bolts.
- Remove bolts, adaptor and sight glass.
- Ensure that O-rings stick to the adaptor.
- Screw adaptor into compressor's sight glass thread.
- Mount TraxOil unit to adaptor. Locate groove stamped in adaptor ring in line with main body marking.
- Bolt complete assembly to adaptor with 20 Nm torque.

All Models

- Install oil supply line to 3/4" flare. The oil connector is removable and has a screen that can be removed for cleaning or replacement.
- An inline filter upstream of the TraxOil is recommended.
- Recommended torque for plug screws is 0.15 Nm (hand-tight).

NOTE for USA installations: The TraxOil unit is to be mounted within a suitable end-product enclosure.

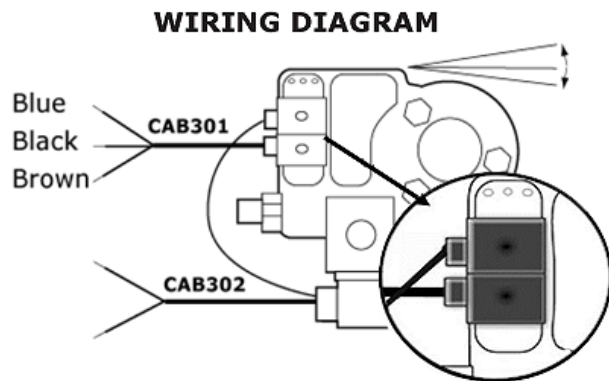
Leakage Test

After completion of the installation, a pressure test must be carried out.

Warning: Failure to do so could result in loss of refrigerant and personal injury. A pressure test must be conducted by skilled personnel, especially considering the dangers of high pressure.

Electrical Installation

Failure to comply with these instructions will void the warranty.



- Connect CAB301 cable to relay connection, maximum 3A/240VAC according to Wiring Diagram.
Blue – Open in Alarm
Black – Common
Brown – Closed in Alarm
- Do not switch compressor directly. Use the compressor’s power relay instead.
- Connect CAB302 cable to 24VAC, 50/60Hz, 0.7A, see Wiring Diagram. Ensure the cables are parallel to each other and that they protrude out the side of the unit and not over the LEDs.
- Plugs at TraxOil unit do not require additional gaskets.

CAUTION: *For correct operation, maintain continuous power to the TraxOil unit at all times.*

- Do not switch the TraxOil “on and off” with the compressor; maintain continuous power to the TraxOil Unit.
- Ensure that the secondary side of the 24 volt supply transformer to the TraxOil is fused with the correct size fuse. Please consult your electrician or system designer as fuse sizes may vary at each installation. (Max 5A).
- Allow 20VA per TraxOil unit with a maximum of three (3) units per transformer. It is recommended that one side of the 24-volt circuit be grounded.
- All electrical wiring is to be carried out in accordance with AS3000 or equivalent standard in country of installation.