

ENGINEERING POLICY

Tecumseh Compressor Company
Compressor Group



Tecumseh

ENGINEERING POLICY ON: REFRIGERANT CHARGE PROCEDURES FOR ROTARY COMPRESSORS AND CONDENSING UNITS

EP-15

PAGE: 1 of 1

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Evacuate the system with the installed rotary compressor to at least 500 microns.
Evacuate the high and low side of the system at the same time.

NEVER APPLY POWER TO ANY HERMETIC COMPRESSOR WHILE UNDER VACUUM. Permanent damage will occur.

Do not reuse contaminated refrigerant in the compressor.

Isolate the vacuum pump from the system. Break the system vacuum to a positive pressure by using nameplate refrigerant and charge into the **LIQUID LINE**. Charge as much liquid refrigerant as possible into the liquid line between the condenser outlet and the metering device.

If a receiver tank is used in the system it may be used for charging.

Do not exceed nameplate charge amount.

If complete charging cannot be achieved into the liquid line it is acceptable to start the compressor and slowly meter the rest of the charge into the suction side of the system. Liquid refrigerant should not enter the compressor directly.

Do not charge into the discharge line.

Do not overfill the suction line accumulator with liquid refrigerant. If at any time during charging you hear a mechanical rattling noise coming from the compressor you are charging too much liquid too quickly.

Consult Tecumseh Compressor Company for the Effective Holding Volume of the suction accumulator attached to the compressor, if questions arise.