

Connecting up the installation / Vacuum pumping

Pumping a vacuum in the system using a correctly functioning vacuum pump (preferably with double or triple stages) until a residual pressure of approximately 200 microns is achieved.

It is recommended that a vacuum be created simultaneously in both high and low-pressure sides of the system. It is not possible to obtain a sufficient vacuum in the high-pressure section by evacuating the low-pressure section alone, particularly when an expansion valve is installed in the system. Evacuating from both sides also helps reduce the amount of time required to have an adequate vacuum.

The compressor should never be used to create the vacuum.

If there is uncertainty as to the degree of moisture in a system, dry nitrogen can be used in conjunction with a deep vacuum to remove excess.

N.B.: A vacuum pump must be correctly serviced. The oil should be replaced once or twice a year according to the pump service manual.