

8.0 Maintenance



DISCONNECT QS5 FROM POWER SUPPLY BEFORE CARRYING OUT ANY MAINTENANCE.

8.1 Changing the Oil



THE OIL MUST BE CHANGED WHEN CONTAMINATED.

Evacuation of most used systems results in some contamination of the oil, causing deposits of sludge which contain water and acids. These substances will corrode your pump. Changing the oil removes damaging substances and will enhance the life of the vacuum pump. For optimum performance, change the oil after each use of the QS5.

Poor vacuum reading or a gray or milky appearance to the oil usually indicates that the oil is contaminated. If the QS5 is pumping condensable vapors, it may be necessary to change the oil after each process so that the pump does not sit with contaminated oil.

To change the oil

- 1** Remove the oil drain plug and drain the oil into a suitable receptacle. This process may be easier if the vacuum pump is tilted slightly.
- 2** Turn power switch ON momentarily with the inlet port open to remove any residual oil.
- 3** Replace the oil drain plug when the flow of oil has stopped.
- 4** Place the pump on a flat surface. Remove oil fill cap and fill the oil reservoir with new vacuum pump oil to the line indicated on the pump. The oil level will rise when the pump warms up and is operating under vacuum conditions. The oil level should be checked later and adjusted as required.



USE ONLY HIGH VISCOSITY VACUUM PUMP OIL INTENDED FOR USE IN HVAC/R VACUUM PUMPS, SUCH AS INFICON PART NUMBER 071-0730.

- 5** Replace oil fill cap, then turn power switch ON and check for any oil leakage.

Dispose of waste oil in accordance with local regulations. Refer to Section 5.0, Start Up Procedure, for instructions on filling the pump with oil.

NOTE: OIL UNDERNEATH THE HOUSING COULD BE CAUSED BY CARELESS FILLING AND SPILL OVER. THIS IS NOT COVERED BY WARRANTY.