

LIQUID LINE DRIERS

MODELS EFFECTED: ALL UNITS.

GENERAL : :- When opening a system to replace any component in the refrigeration system **ALWAYS** fit a Bi-Directional liquid line drier. Under warranty, we will always pay for a drier to be fitted, but if a second compressor failure occurs & a drier has not been fitted at the original repair there will be **no warranty on the second compressor**.

Filter driers in air conditioning / refrigeration systems have 2 important functions they have to dry & they have to filter.

The drying function is the retention of water in the driers desiccant core. The purpose is to prevent corrosion of internal metal surfaces, decomposition of the oil & refrigerant and to avoid burnout of the compressor. Moisture in a refrigeration system reacts with the oil and refrigerant producing a corrosive substance (acid).

The filter function is the retention of debris & impurities of any kind in the driers fine strainers.

This significantly minimises wear & tear on the compressor resulting in extended compressor life. It also helps prevent the reversing & check valves from sticking & the TX valve or capillaries from blocking.

We recommend bi-directional liquid line driers be fitted with any major works done to the refrigeration system or changed if already fitted. If there has been a burn out, "acid core" or "burn out" driers should be fitted to remove acids which can build up in the system & are caused by moisture reacting with the oil and refrigerant or by heat . This acid can cause compressor motor burn out by degrading the winding lacquer thus allowing the windings to short circuit.

Fitting driers in no way cancels the need to evacuate the system, using a proper high vacuum pump, either at installation or after a repair.