The function of an Oil Filter is to remove system debris from the refrigerant oil to protect the Compressor and other Oil Management System components from damage. In addition to removing debris, the Oil Filter-Drier also removes moisture from the refrigerant oil.

Applications

Henry Technologies' Oil Filters and Oil Filter-Driers can be used in both Low and High Pressure Oil Management Systems. The unique drying features of the S-4005 model are particularly suited for systems using POE oil. This type of oil is more hydroscopic than mineral oil. This means that POE oil absorbs moisture at a much higher rate. Moisture in a refrigeration system can produce problems and/or harmful conditions. One S-4004 or S-4005 model can be fitted in the oil return line between the Oil Separator and Oil Reservoir, instead of fitting one Oil Strainer per Oil Level Regulator. These models will also remove more debris than traditional oil strainers. Henry Technologies' Oil Filters and Oil Filter-Driers are suitable for use with HFC and HCFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to steel and copper.

Main Features

S-4004 model

- High flow capacity with low pressure drop
- 475 in^2 filter area
- Particle retention down to 10 microns
- Suitable replacement for individual Oil Strainers on oil return linesow capacity with low pressure drop

S-4005 model

- High flow capacity with low pressure drop
- 465 in^2 filter area
- Particle retention down to 6 microns
- High level of drying with 8in^3 XH-9 desiccant
- Suitable replacement for individual Oil Strainers on oil return line

Technical Specifications

Maximum working pressure = 450 PSI (31 Bar)

Allowable operating temperature = 14°F to +212°F (-10°C to +100°C)

Materials of Construction

All pressure bearing components including shell, caps, and connection fittings are made of carbon steel. The internal spring is made of steel and the O-ring is made of synthetic rubber.

Installation - Notes

1. The Oil Filters and Oil Filter-Driers must be installed i the flow direction arrow.
2. Units should be replaced after a 15 PSI (1 Bar) press detected. It is recommended to install valves on eithe to ease replacement.
3. For Low Pressure Oil Management Systems, Oil Filte Driers should be located between the Oil Separator a not between the Oil Reservoir and the Oil Level Regu

❶ 3/8 SAE Flare Inlet
❷ 3/8 SAE Flare Outlet
❸ 1/4 SAE Flare Schrader Fitting

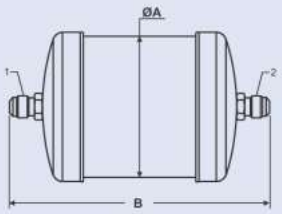

FIG 1

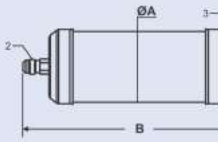

FIG 2

Part No	Fig No	Dimensions (inch)		Weight (lbs)
		ØA	B	
S-4004	1	4.0	7.39	3.45
S-4005	2	3.0	9.80	3.45