

OIL FILTERS AND OIL FILTER-DRIERS

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 in² 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 in² filter area
- Particle retention down to 6 microns
- High level of drying with 8in³ XH-9 desiccant
- Suitable replacement for individual Oil Strainers on oil return line

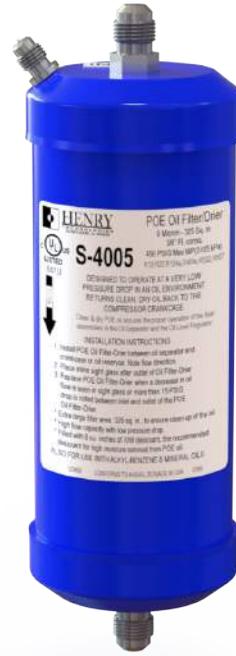
Technical Specifications

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 in accordance with the flow direction arrow.
2. Units should be replaced after a 15 PSI (1 Bar) pressure drop has been detected. It is recommended to install valves on either side of the filter to ease replacement.
3. For Low Pressure Oil Management Systems, Oil Filters and Oil Filter-Driers should be located between the Oil Separator and Oil Reservoir not between the Oil Reservoir and the Oil Level Regulator.

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

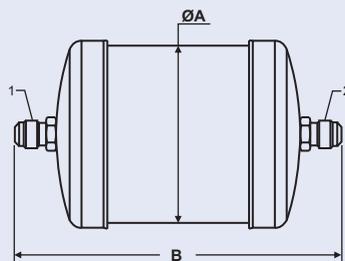


FIG 1

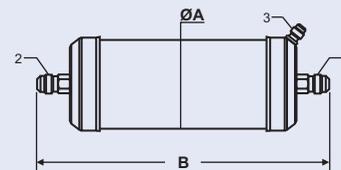


FIG 2

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

OIL STRAINER

The function of an Oil Strainer is to remove system debris from the refrigerant oil to protect the Compressor and other Oil Management System components from damage.

Applications

Henry Technologies' Oil Strainers can be used in both Low and High Pressure Oil Management Systems. Oil Strainers should be fitted in the oil return line between the Oil Reservoir and Oil Level Regulator. Henry Technologies' Oil Strainers 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

- SAE Flare connections
- High flow capacity with low pressure drop
- 11 in² filter area
- Particle retention down to 150 microns

Technical Specifications

Maximum working pressure = 500 PSI (34.4 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

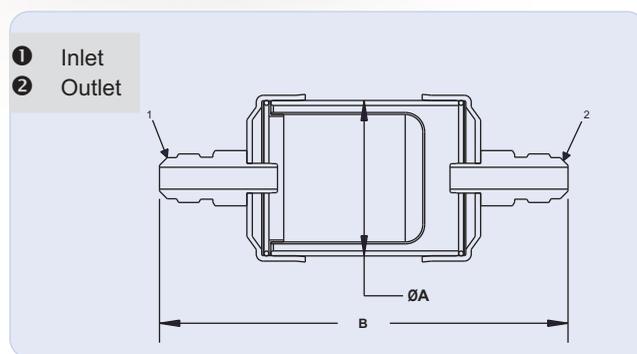
Henry Technologies' Oil Strainers are UL and C-UL Listed by Underwriters Laboratories, Inc.

Materials of Construction

The shell and caps are made of steel. The SAE flare connections are made of plated steel and the 100 mesh strainer cartridge is made of stainless steel.

Installation - Notes

1. The Oil Strainers must be installed in accordance with the flow direction arrow.
2. It is recommended to install valves on either side of the filter to ease replacement.



Part No	SAE Flare (inch)	Dimensions (inch)		Screen Area (in ²)	Weight (lbs)
		ØA	B		
S-9105	3/8	2.00	5.25	11.0	0.82