

Oil Strainers

The function of an Oil Strainer is to remove system debris from the refrigerant oil. Their purpose is to protect compressors and oil level regulators from damage.

Applications

The Henry Technologies SH-9105 oil strainer can be used in both Low and High Pressure Oil Management Systems. The strainer is suitable for HCFC and HFC refrigerants, along with their associated oils.

Although the strainer is compatible with HFC/POE refrigerant/oil combinations, Henry Technologies recommends the use of an oil filter or oil filter-drier. This is due to the scavenging nature of POE oil.

Greater system protection will be achieved using an oil filter or oil filter driers over a traditional oil strainers.

Typically, an oil strainer is fitted immediately upstream of a mechanical oil level regulator in order to protect the float needle valve from debris. This in turn protects the compressor from damage.



Features

- Large screen area ensuring maximum capacity and long service.
- Low pressure drop.
- Stainless steel screen.
- 3/8" MSAE connections.

Benefits

- Provides trouble free service for longer periods.
- No performance penalties.
- Efficient removal of harmful particulates.
- Easy installation and replacement.

Technical Specification

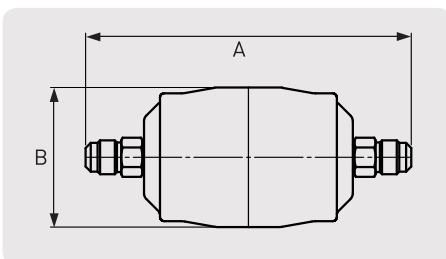
Allowable Operating Pressure = 4,500 kPa
 Manufactured in Accordance with: UL207 & PED97/23
 Allowable Operating Temperature: -10°C to 120°C

Materials of Construction

The main body and connections are made from carbon steel.
 The mesh screen is made from stainless steel.

Installation - Main Issues

1. The oil strainer must be installed in accordance with the flow direction arrow.
2. It is recommended to install valves on either side of the oil strainer to allow the oil strainer to be isolated for easier replacement should the mesh screen become blocked.



Part No.	Conn. Size (Inch)		Dimensions (mm)		Screen Data		Weight (kg)
	Inlet	Outlet	A	B	Area mm ²	Mesh	
SH-9105	3/8 SAE Flare	3/8 SAE Flare	153	66	8,952	200	0.37