

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 series oil strainer can be used in both Low and High Pressure Oil Management Systems. The SH-9105 series is suitable for HCFC, HFC, A2L and CO₂ refrigerants and 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 a filter or filter drier element than with a mesh strainer.

Typically, a 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.

Main features

- Large screen area ensuring maximum capacity and long service
- Low pressure drop
- Stainless steel screen
- SAE or ODS connections available

Technical Specification

SH-9105 Series

Allowable operating temperature = 0°C to +100°C

Allowable operating pressure = 0 to 45 barg

Screen = 100 mesh, 91cm² filter area.



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 unit to ease replacement, in the event that the mesh screen becomes blocked.

Part No	Conn Size (inch)		Dimensions (mm)		Screen Data		Weight (kg)	CE Cat
	Inlet	Outlet	A	Ø B	Area (mm ²)	Mesh		
SH-9105	3/8 SAE Flare	3/8 SAE Flare	156	66	9100	200	0.37	SEP
SH-9105X	3/8 ODS	3/8 ODS	145	66	9100	200	0.32	SEP

