

OIL SEPARATORS

Conventional

The function of an Oil Separator is to remove oil from the discharge gas and return it to the Compressor either directly or through an Oil Management System.

Applications

Conventional Oil Separators can be used in a wide variety of applications. Common applications include multi-compressor racks and remote condensing units. These separators are designed for use with scroll and reciprocating type compressors. They are not recommended for screw or rotary vane compressors. Conventional oil separators are intended for Low Pressure Oil Management Systems.

Conventional Oil Separators are suitable for use with HCFC and HFC refrigerants, and their associated oils, as well as other industrial fluids non-corrosive to steel, copper and brass.

Main Features

- ODS refrigerant connection
- SAE flare oil connections
- Low pressure drop
- No moving parts within oil separation zone
- Serviceable models available, S-19** series
- 1/8" NPT oil drain
- Magnet on oil float to collect debris
- Replacement parts available

Technical Specifications

Maximum working pressure = 450 PSI (31 Bar)

Allowable operating temperature = +15°F to +300°F (-10°C to +149°C)

Henry Technologies' Conventional Oil Separators are UL and C-UL Listed by Underwriters Laboratories, Inc. Additionally, Conventional Oil Separators are designed and registered for use in Canada. Please contact Technical Support at 1-800-627-5148 for CRN details and list of approved provinces and territories.

Materials of Construction

The main components; shell, end caps and connections are made from carbon steel. The separation screens are made from brass. The float assemblies are made from stainless steel, brass and copper.

Installation - Notes

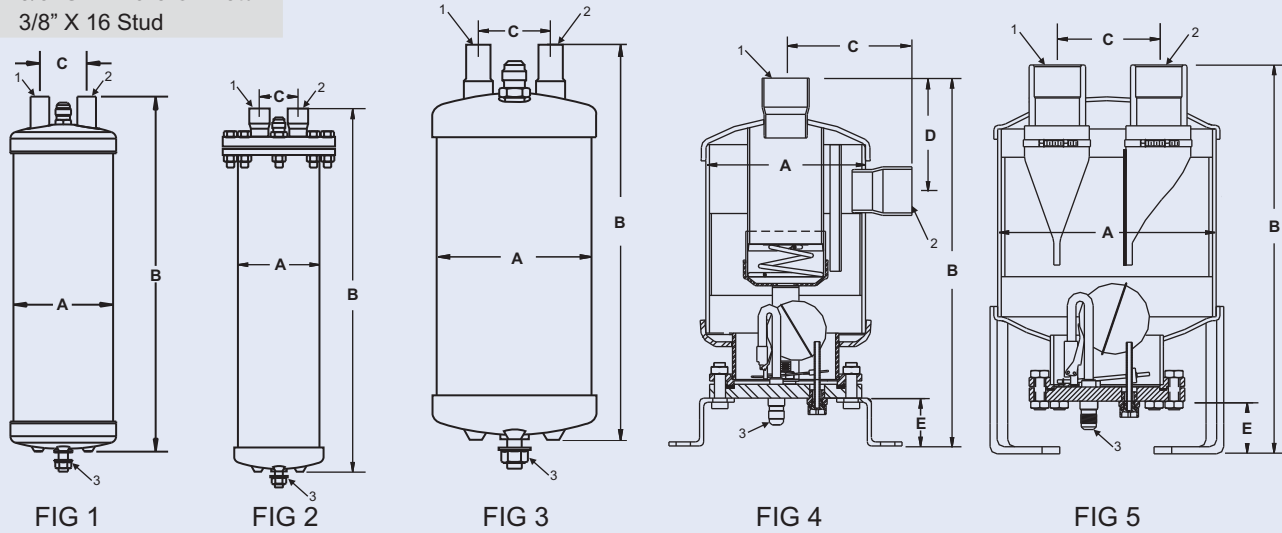
Full instructions are given in the Oil Level Control Manual, included with each separator.

Selection Guidelines

Henry Technologies' Conventional Oil Separators should not be undersized (calculated DCFM greater than 125% of nominal), which would cause higher gas velocities to pass through the inlet/outlet screens. Higher flow velocities may cause pre-mature failure of the screens. Please contact Technical Support at 1-800-627-5148 for assistance or recommendations when selecting Oil Separators.



- ❶ Inlet ODS
- ❷ Outlet ODS
- ❸ 3/8" SAE Flare Oil Return
- ❹ 3/8" X 16 Stud



NON-SERVICABLE OIL SEPARATORS

Part No	ODS (inch)	Fig No	Dimensions (inch)			Min Discharge CFM	Max Discharge CFM	Pre-charge Amount	Weight (lbs)
			ØA	B	C				
S-5580	1/4	1	4.0	8.25	1.88	0.25	0.75	12	4.2
S-5581	3/8	1	4.0	8.25	1.88	0.33	1.0	12	4.2
S-5582	1/2	1	4.0	10.25	1.88	0.50	1.5	12	5.1
S-5585	5/8	1	4.0	14.25	1.88	1.32	4.0	12	7.1
S-5587	7/8	1	4.0	17.75	1.88	2.15	6.5	12	7.9
S-5588	1 1/8	1	4.0	21.00	1.88	2.64	8.0	12	9.0
S-5590	1 3/8	1	4.0	21.25	1.88	3.30	10.0	12	9.9
S-5687	7/8	3	6.0	11.13	3.00	2.48	7.5	30	12.1
S-5688	1 1/8	3	6.0	15.38	3.00	2.97	9.0	30	15.0
S-5690	1 3/8	3	6.0	15.63	3.00	3.63	11.0	30	15.0
S-5692	1 5/8	3	6.0	18.63	3.00	4.62	14.0	30	18.1
S-5694	2 1/8	3	6.0	19.13	3.00	7.43	22.5	30	19.0

SERVICABLE OIL SEPARATORS

Part No	ODS (inch)	Fig No	Dimensions (inch)				Min Discharge CFM	Max Discharge CFM	Pre-charge Amount	Weight (lbs)
			ØA	B	C	D				
S-5882	1/2	2	4.0	10.25	1.88	N/A	.50	1.5	12	9.0
S-5885	5/8	2	4.0	14.25	1.88	N/A	1.32	4.0	12	11.0
S-5887	7/8	2	4.0	17.75	1.88	N/A	1.98	6.0	12	12.1
S-5888	1 1/8	2	4.0	12.00	1.88	N/A	2.64	8.0	12	13.0
S-5890	1 3/8	2	4.0	21.25	1.88	N/A	3.30	10.0	12	13.0
S-5792	1 5/8	4	6.0	29.25	4.75	5.00	4.62	14.0	20	27.1
S-5794	2 1/8	4	6.0	29.56	4.60	5.25	7.43	22.5	20	27.1
S-1901	1 5/8	5	8.0	21.00	3.50	N/A	5.94	18.0	20	31.1
S-1902	2 1/8	5	8.0	21.00	3.50	N/A	8.91	27.0	20	32.0
S-1903	2 5/8	5	10.0	21.50	4.63	N/A	16.17	49.0	20	44.1
S-1904	3 1/8	5	12.0	25.75	5.56	N/A	22.44	68.0	20	75.0