

Compact & robust design
Excellent separation efficiency
Applicable to (H)CFC & HFC

High Efficiency Model OS Series Oil Separator



Product Description

Designed in accordance with ASME pressure vessel standard, Hanbell OS series oil separator is of high reliability and superior performance. The function of oil separator is to separate the oil mixed with compressed gas and return oil to the compressor, therefore an efficient lubrication of compressor moving parts and system efficiency can be assured. The oil separator can be adapted to flooded-type, low-temperature and parallel systems and system with long piping, and is applicable for HFCs and HCFCs refrigerants and their lubricants.

Specification

Maximum working pressure: 28 Kg/cm²G

Material

High strength seamless carbon steel pipe for pressure service.

Features

1. High oil-filtration efficiency
2. Extremely low oil carry over
3. Prime material of demister with negligible pressure drop
4. High reliable and solid structure
5. Compact size and easy installation
6. Oil level switch, safety valve, oil heater (150W/300W) are optional
7. Suitable for all (H)CFC/HFC refrigerants

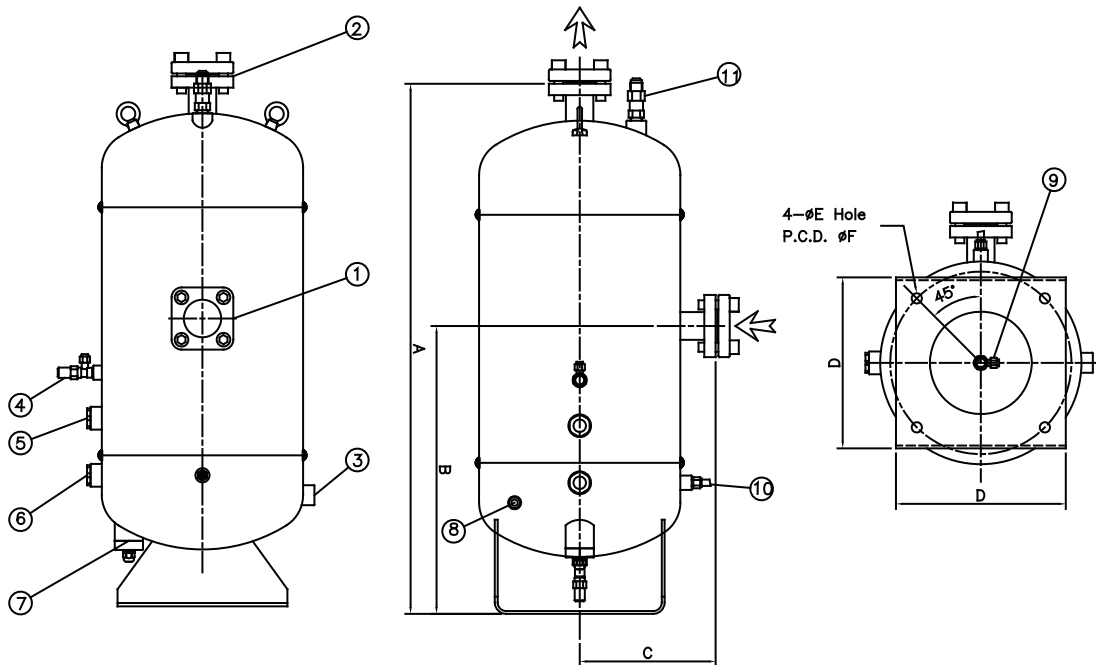
Technical Data

Model	Type	Oil Volume (Liter)		Range of application based on Displacement (m ³ /hr) (Recommended)	Shell Diameter
		High level	Low level		
OS40	Vertical	17	9	205	14"
OS50	Vertical	22	12	206~270	16"
OS65	Vertical	31	18	271~440	18"
OS80	Horizontal	33	20	441~705	20"
OS100	Horizontal	40	27	706~1120	20"
OS125	Horizontal	50	30	1121~1310	24"
OS150	Horizontal	60	36	1311~1835	24"

Accessories

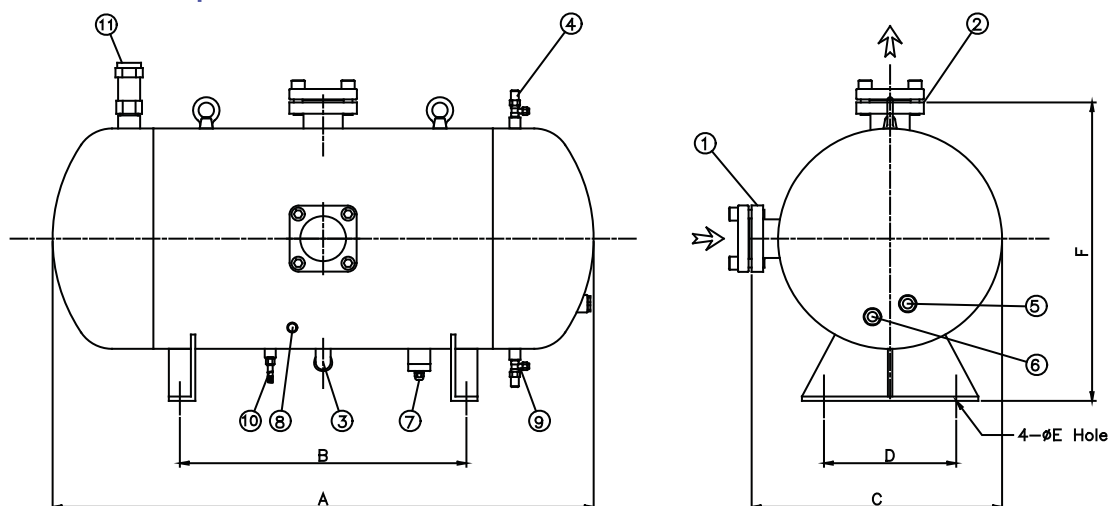
No.	Description	OS40	OS50	OS65	OS80	OS100	OS125	OS150
1	Refrigerant inlet	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
2	Refrigerant outlet	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
3	Oil outlet	5/8" Flare	5/8" Flare	5/8" Flare	1" PF	1" PF	1 1/4" PF	1 1/4" PF
4	Oil charge valve	1/4" Flare						
5	High oil S.G.	1 PCS						
6	Low oil S.G.	1 PCS						
7	Oil level switch	1 PCS						
8	Oil heater	150W /300W	150W /300W	150W /300W	150W /300W	150W /300W	300W	300W
9	Oil drain valve	1/4" Flare						
10	Oil temp. protection (option)	1/8" NPTF						
11	Safety valve (option)	1/2"	1/2"	1/2"	1"	1"	1 1/2"	1 1/2"

Vertical Oil Separator-OS40, OS50, OS65 Outline



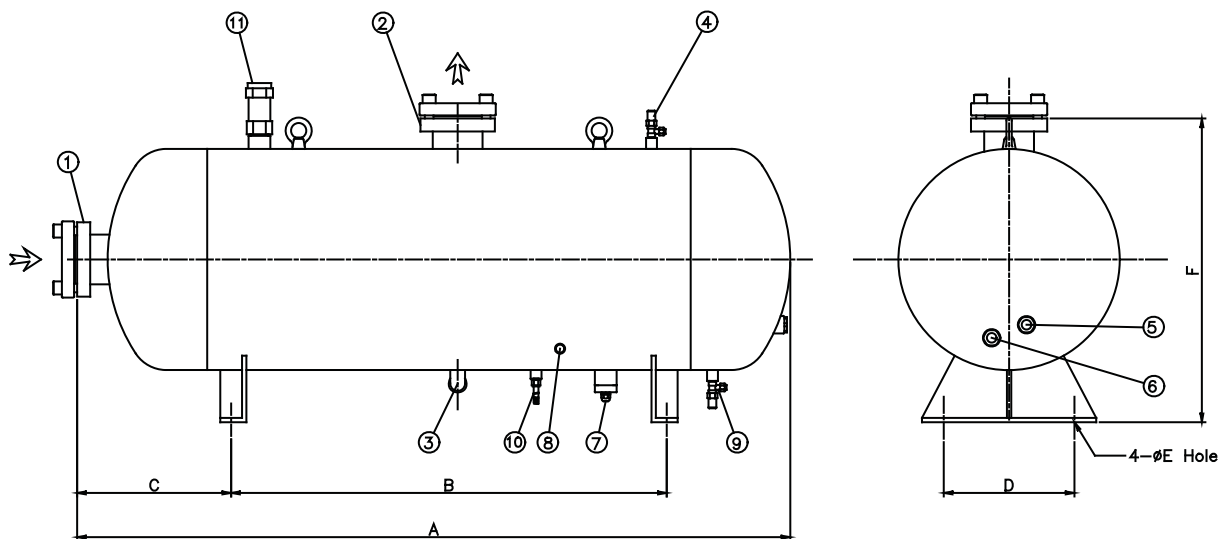
No.	A	B	C	D	E	F
OS40	930	505	240	300	18	320
OS50	1050	585	275	350	22	360
OS65	1110	595	300	350	22	360

Horizontal Oil Separator-OS80 Outline



No.	A	B	C	D	E	F
OS80	1227	650	568	300	23	688

Horizontal Oil Separator-OS100, OS125, OS150 Outline



No.	A	B	C	D	E	F
OS100	1637	1000	354	300	23	698
OS125	1829	1080	409	400	23	830
OS150	2229	1480	409	400	23	830



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HBCE-OS-14-A(1000)