

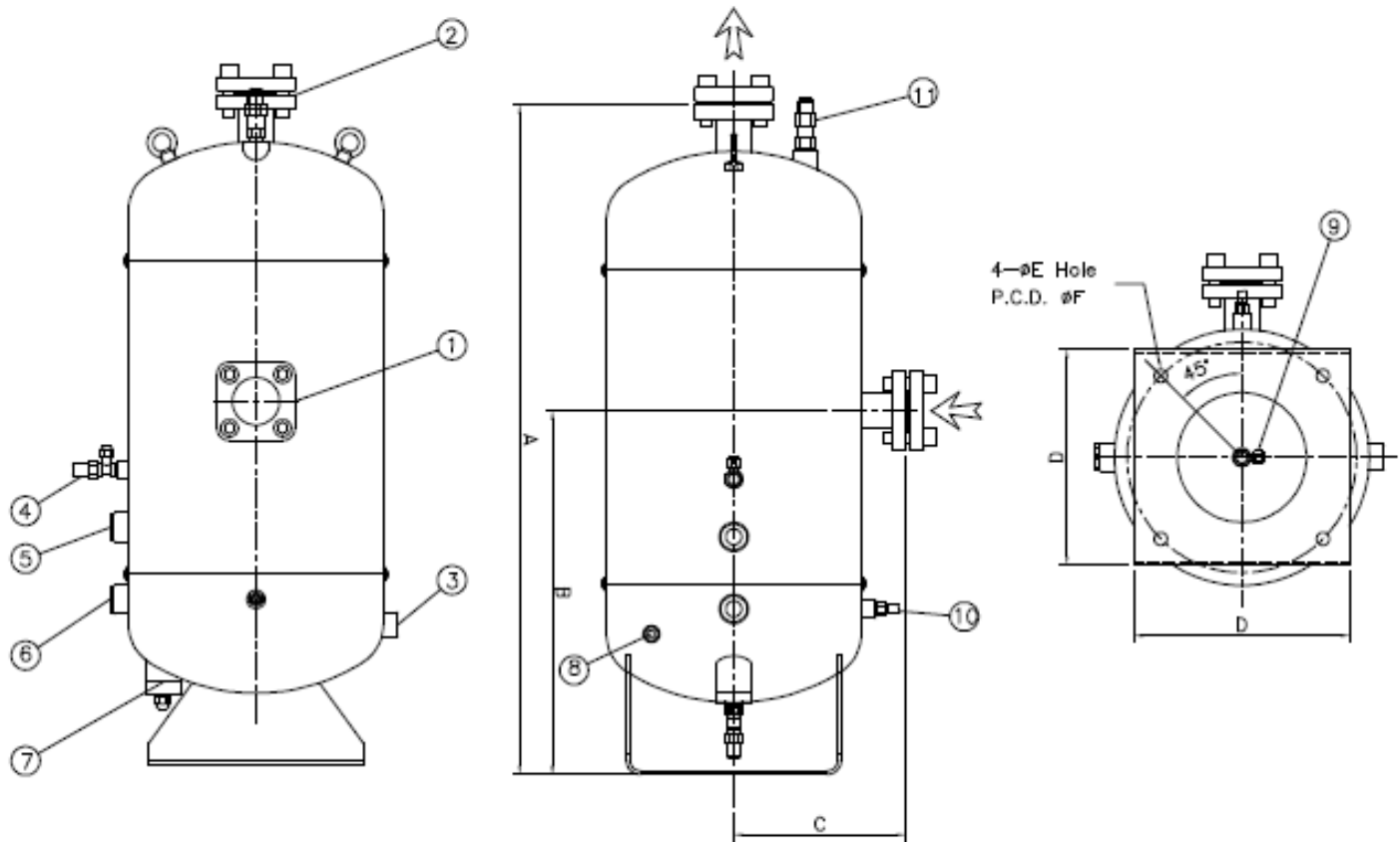
OSXXX-External Oil Separator

Product Description

MCS provides a complete series of external oil separators to maximize oil return in flooded, low temperature, parallel systems, and long piping runs. The OS series combines the characteristics of high filtration efficiency with low pressure drop. A muffler is recommended to be installed between the compressor and the external oil separator to avoid noise and vibration caused by resonance.

Specifications

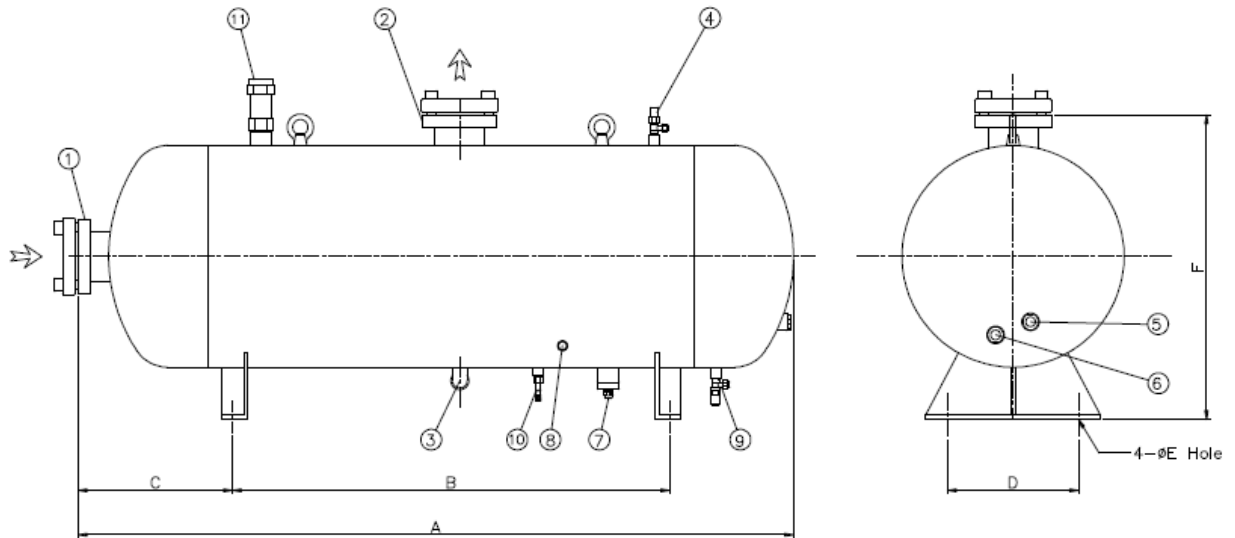
Model	Type	Oil Volume Gallons (Liter)		Range of application based on displacement (cfm) (Recommended)	Shell Diameter
		High Level	Low Level		
OS40	Vertical	4.5 (17)	2.4 (9)	121	14"
OS050	Vertical	5.8 (22)	3.2 (12)	122-159	16"
OS65	Vertical	8.2 (31)	4.7 (18)	160-259	18"
OS80	Horizontal	8.7 (33)	5.3 (20)	260-415	20"
OS100	Horizontal	10.5 (40)	7.1 (27)	416-659	20"
OS125	Horizontal	13.2 (50)	7.9 (30)	670-771	24"
OS150	Horizontal	15.8 (60)	9.5 (36)	772-1080	24"



Vertical OS40, OS50, OS65

External Oil Separator

Horizontal OS80, OS100 OS125, OS150



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	150W	150W	150W	150W	300W	300W
9	Oil Drain Valve	1/4" Flare						
10	Oil Temp. Protection (optional)	1/8" NPT						
11	Safety Valve (optional)	1/2"	1/2"	1/2"	1"	1"	1-1/2"	1-1/2"

Dimensions (IN.)	OS40	OS50	OS65	OS80	OS100	OS125	OS150
A	36-39/64"	41-11/32"	43-45/64"	48-5/16"	64-29/64"	72-1/64"	87-3/4"
B	19-7/8"	21-1/32"	23-27/64"	25-19/32"	39-3/8"	42-33/64"	58-17/64"
C	9-29/64"	10-53/64"	11-13/16"	22-23/64"	13-15/16"	16-7/64"	16-7/64"
D	11-13/16"	13-25/32"	13-25/32"	11-13/16"	11-13/16"	15-3/4"	15-3/4"
E	45/64"	55/64"	55/64"	29/32"	29/32"	29/32"	29/32"
F	12-19/32"	14-11/64"	14-11/64"	27-3/32"	27-31/64"	32-43/64"	32-43/64"

Note: OS series does not yet have a ASME stamp

Released 2013-11-08