

CONVENTIONAL OIL SEPARATORS



Product introduction ;

The function of a Conventional Oil Separator with Float Mechanism is to remove oil from the discharge gas and return it to the compressor crankcase in a proper and precise manner.

It helps maintain the oil level of the compressor crankcase and raises the efficiency of the system by preventing excessive oil circulation. These Oil Separators are suitable for low pressure oil management systems.

The oil separators are designed for scroll and reciprocating compressors. They are not suitable to use with screw compressors. Conventional Air Separators with Float Mechanism are products operating with a ball float.

The float mechanism of the oil separators, which is completely made of stainless and yellow material, operates with a very precise and sound needle valve system.

Type of Oil Separator should be selected according to the type of the compressor used. Oil Separators are installed vertically between compressors and condensers.

Conventional oil separators are quite easy-to-use products because they do not contain any replaceable part. They are more economic than oil separators of other types.

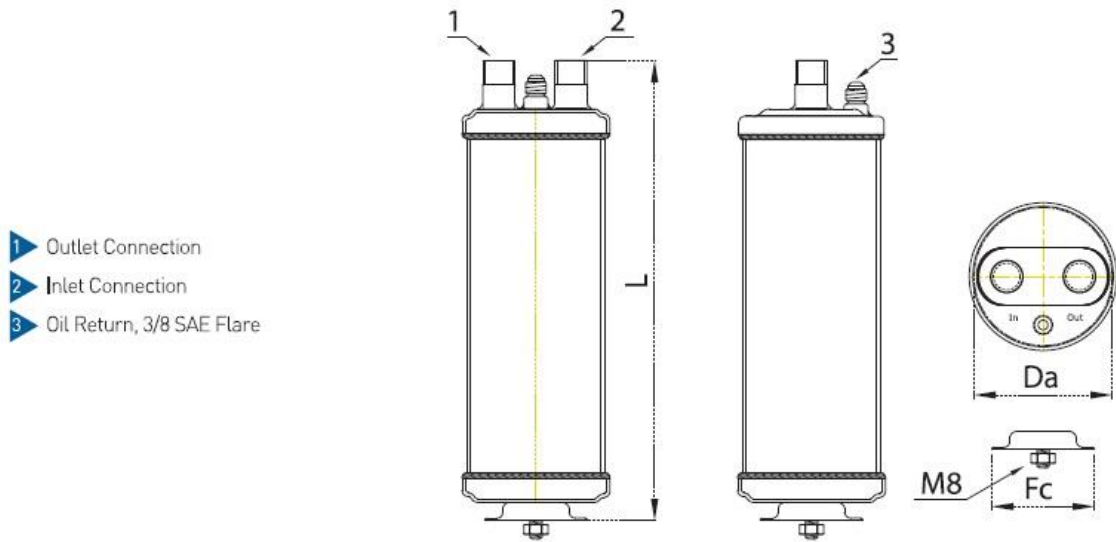
With proper selection, oil separation efficiency is typically 80%.

Oil separators are manufactured according to the requirements of 97/23/EC.

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Technical Data



- 1 Outlet Connection
- 2 Inlet Connection
- 3 Oil Return, 3/8 SAE Flare

Model	Volume (Lt)	Dimensions			Connection Sizes		Oil Addition (kg)	Max. Differential Pressure (bar)	TS(C)		CE	
		Da (mm)	L (mm)	Fc (mm)	Inlet / Outlet (Inch)	Oil Connection			Min.	Max.	PED 32 Bar	97/23/EC 45 Bar
OS-1/2	2,3	ø114	302	ø114 * M8	1/2" ODS	3/8" SAE Flare	0,4 / 0,5	21 bar	-10°	+130°	CAT I / A1	CAT I / A1
OS-5/8	372		5/8" ODS									
OS-3/4	2,9		372		3/4" ODS							
OS-7/8	380		7/8" ODS									
OS-1 1/8	3,5	445	1 1/8" ODS									
OS-1 3/8	4,7	ø140	400	ø135	1 3/8" ODS	0,6 / 0,7					CAT II / A1	CAT II / A1
OS-1 5/8	7,7	ø165	467	ø161	1 5/8" ODS							
OS-2 1/8	472	2 1/8" ODS										

Model	Capacity In KW Of Refrigeration At Nominal Evaporator Temperature				Maximum Discharge Volume (m3/hr)
	R 404A / 507		R 22		
	-40° C	5° C	-40° C	5° C	
OS-1/2	8,8	10,9	8,9	10,01	4,1
OS-5/8	13,7	17,1	13,8	15,8	6,4
OS-3/4	19,7	24,6	19,9	22,8	9,2
OS-7/8	26,8	33,4	27,1	31,0	12,6
OS-1 1/8	44,4	55,3	44,9	51,3	20,8
OS-1 3/8	86,2	99,1	87,4	91,9	31,0
OS-1 5/8	92,6	115,3	93,6	107,0	43,3
OS-2 1/8	96,8	120,5	97,8	111,8	45,3