HELICAL OIL SEPARATORS & RESERVOIRS



Product introduction;

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

This helps maintain the oil level of the compressor crankcase and raises the efficiency of the system by preventing excessiveoil circulation.

Helical oil separators provide a higher level of efficiency compared to a conventional oil separator with float mechanism.

Helical oil separators can be used in a wide variety of applications.

Helical oil separators are intended for low pressure oil management systems, but they can also be used in high pressure oil management systems.

These oil separators are designed for use with scroll and reciprocating type compressors.

They are not suitable to use with screw compressors.

There is an oil reservoir in the lower chamber of the helical oil separators.

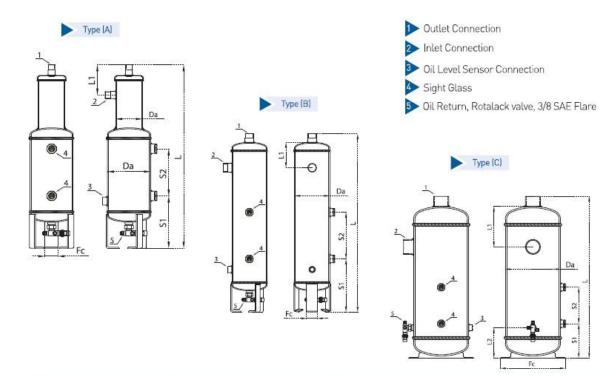
1 unit of 3/8"SAE rotalack valve is supplied as installed on each reservoir to facilitate easy control of the oil fill and drain.

Oil reservoirs have 2 sight glasses for visual indication of the oil level. Sight glasses are designed considering minimum and maximum levels. Level indicator balls in the sight glass provide great convenience to see the oil level.

With proper selection, oil separation efficiency is typically 95%.

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Model	Volume		Dir	mensions				Con	nection Sizes			C	ϵ
Model	(Lt)	Da (mm)	L (mm)	L1 (mm)	L2 (mm)	Fc (mm)	Туре	Inlet &Outle (Inch)	tOil Reservoir Outlet (Inch)	5V (Inch)	Sight Glass	PED 33 Bar	97/23/EC 45 Bar
OS/OR/A-7/8	6,8	Ø165	700				-	7/8" ODS					
OS/OR/A-1 1/8	0,0	Ø140	700	115	17.0		А	11/8" ODS		Ball			
OS/OR/B-1 3/8	10.0		840	160		Ø 125 B	13/8" ODS	live are	<u>u</u>	5			
OS/OR/B-1 5/8	13,2	Ø165	845	165	F25		В	15/8" ODS	S.E.	NPTF	E	CAT II / A1	CAT II / A1
OS/OR/B-2 1/8	14,2		900	170				21/8" ODS	Rotalock Valve 3/8" SAE Flare	1/2.	yS 4		
OS/OR/C-2 1/8	21,5	Ø 219	700	200	120	Ø249	21/8" ODS	Rota 3/8"	*	Witt			
OS/OR/C-2 5/8	38,3	Ø 273	800	250	150	w000	С	25/8" ODS			SW36 with Swirning Ball	CAT III /	CAT III /
OS/OR/C-3 1/8	54,7	Ø324	830	300	170	Ø320		31/8" ODS				B+C1	B+C1

	kW										
Model	Capacity In kW Of Refrigeration At Nominal Evaporator Temperature										
	R404A	/ 507	R	22	R7	Discharge Volume					
	-40°C	5°C	-40°C	5°C	-40°C	5°C	(m3/hr)				
OS/OR/A-7/8	26,8	33,4	27,1	31,0	N/A	N/A	12,6				
OS/OR/A-1 1/8	44,4	55,3	44.9	51,3	N/A	N/A	20,8				
OS/OR/B-1 3/8	66,3	82,6	67,0	76,6	N/A	N/A	31,0				
OS/OR/B-1 5/8	92,6	115,3	93,6	107,0	94,03	125,38	43,3				
OS/OR/B-2 1/8	96,8	120,5	97,8	111,8	98,27	131,02	45,3				
OS/OR/C-2 1/8	205,8	236,7	208,8	219,5	214,40	257,28	74,1				
OS/OR/C-2 5/8	241,6	301,0	244,3	279,2	N/A	N/A	113,1				
OS/OR/C-3 1/8	342,4	426,6	346,2	395,7	N/A	N/A	160,2				

All data is for a 38°C condensing temperature, 18°C suction temperature and a connection size the same as the compressor discharge valve