WATER-OIL SEPARATORS WOS

DESCRIPTION

WOS water oil separators have been specifically developed to separate lubricant oil from condensate from compressed air[(1)] systems. Condensate treated with WOS separators can be drained into public sewers[(2)]. Separate any type of oil and works with any type of condensate drain.

APPLICATIONS[(3)]

- Compressed air systems

[(1)]For any other technical gas please contact us or your local dealer
[(2)] Before draining cleaned condensate to public sewers check local directives and laws.
[(3)] WOS water-oil separator can be used in variety of applications. For applications not listed please contact us or your local dealer.

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 45 °C (max 65°C)[4]	35 – 113 °F (max. 149 °F)[4]
Operating media	Condensate (air, water, oil); Non-aggressive; Not suitable for emulsion	
Residual oil content	Less than 10ppm	
Service interval	When first of the following parameters appears: - 4000 operating hours of compressor[(4)] - 12 months regardless compressor operating hours - Oil concentration in outlet reaches concentration determined with local directives and laws.	

[4]Max. operating temperature is 65°C, but when temperature is over 45°C, performance may decrease.
[(5)]At compressor oil carryover 2,5mg/m^3. Lower/higher oil carry over means proportionally longer/shorter lifetime (e.g. if oil carryover is 5mg/m^3 lifetime reduces to 2000 operating hours).

MATERIALS

Housing material	HDPE
Fittings	Brass, Brass-zinc plated, Steel
Sealing	NBR
Filter material	PP (polypropylene), Active carbon

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SIZES

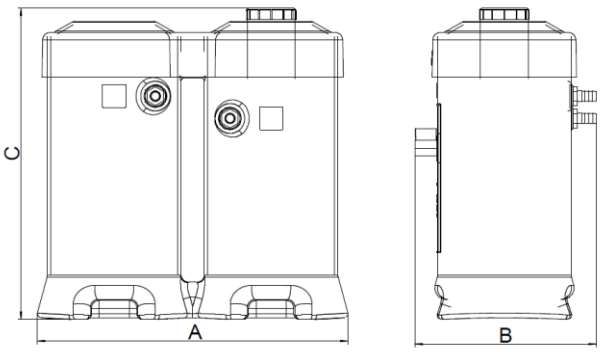
	Cold climate zone 15°C 60%RH	Mild climate zone 25°C 60%RH	Hot climate zone 40°C 100%RH	
WOS-4	2,89	2,43	1,23	Max oil adsorption[kg]
	4,82/170,22	4,04/142,80	2,05/72,32	Max FAD [Nm^3/min]/[scfm]
	2,3	3,4	6,3	Max condensate flow [l/h][(6)]
WOS-8	6,01	5,04	2,55	Max oil adsorption[kg]
	10,01/353,55	8,40/296,60	4,25/150,21	Max FAD [Nm^3/min]/[scfm]
	4,7	7,1	13,1	Max condensate flow [l/h][(6)]
WOS-20	14,64	12,28	6,22	Max oil adsorption[kg]
	24,40/861,73	20,47/722,92	10,37/366,12	Max FAD [Nm^3/min]/[scfm]
	11,4	17,2	32,0	Max condensate flow [l/h][(6)]
WOS-35	25,40	21,31	10,79	Max oil adsorption[kg]
	42,34/1495,07	35,52/1254,24	17,99/635,21	Max FAD [Nm^3/min]/[scfm]
	19,8	29,8	55,6	Max condensate flow[l/h][(6)]

	WOS-4	**WOS-8**	**WOS-20**	**WOS-35**
Nr. of inlet connections	1	2	2	4
Nr. of outlet connection	1	1	1	1
Connection type	Hosetail for pipe Ø int. 10 mm			
DIMENSIONS				
A [mm]	416	730	820	960
B [mm]	243	343	366	386
C [mm]	411	680	940	1137
PP element	1	1	1	2
AC element	1	1	1	2

[(6)]Max condensate volume per condensate drain single discharge is 0,250 ltr.

MAINTENANCE

It is recommended, that you do a test once per week to evaluate water quality (residual oil content). Instructions are attached in test set. Replace filter elements when oil content in water becomes too high or at least every twelve months. Before installing new filter elements, interior of the device must be clean.



OMEGA AIR
Z-83.5-31
Deutsches Institut für Bautechnik, Berlin

All WOS products are DIBt approved and listed with serial number Z-83.5-31.

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