WOS SERIES

WATER-OIL SEPARATORS

ø10 mm
inlet connection

1,5 to 45°C
operating temperature range

RAL 5012
standard colour

RAL 9005
optional colour

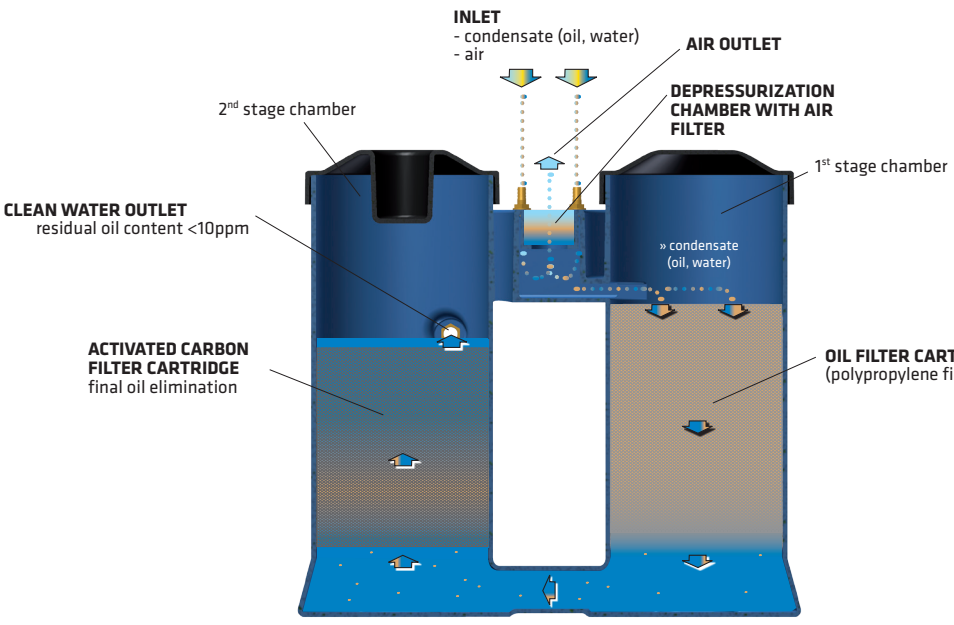
ADVANTAGES

- ✓ No complex sizing required.
- ✓ Simple to install.
- ✓ Works with any type od condensate drain.
- ✓ Can handle and separate any type of oil.
- ✓ Oil residue value is less than 10 ppm.
- ✓ Easy to maintain.
- ✓ No condensate settling tank is required (therefore there is no bacteria build-up).
- ✓ Small compact design.
- ✓ Test valve and test set included for sampling purposes.

DESCRIPTION

WOS water oil separators have been developed to separate lubricant oil from condensate from compressed air systems.

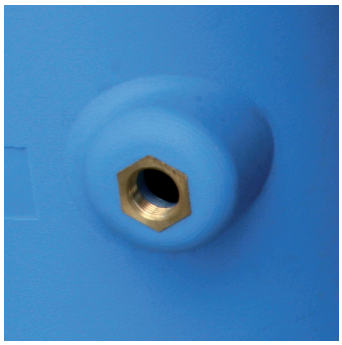
WOS water-oil separator can be used in variety of applications. For applications not listed please contact producer or your local distributor.



APPLICATIONS

- Compressed air systems

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



Water quality test

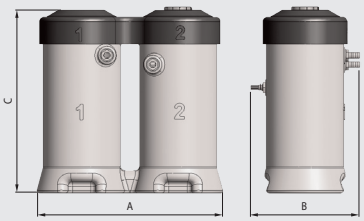
Water quality test should be performed at least once per month, to control the contamination level of disposed condensate.

If oil concentration is reached, oil filter cartridges must be changed.

TECHNICAL DATA

Operating temperature	1,5 - 45 °C (max 65 °C)[1]; 35 - 113 °F (max. 149 °F)[2]
Operating media	Condensate (air, water, oil); Non aggressive; Not suitable for emulsion
Residual oil content	< 10ppm
Service interval	When first of following parameters appears:
	- 4000 operating hours of compressor [4]
	- 12 months regardless of compressor operating hours
	- outlet oil concentration reaches concentration determined with local directives

TECHNICAL DATA		Cold climate zone 15 °C 60 %RH	Mild climate zone 25 °C 60 %RH	Hot climate zone 40 °C 100 %RH	Dimensions [mm] A	B	C
WOS-4	Max oil adsorption [kg]	2,89	2,43	1,23	416	243	411
	Max FAD [Nm³/min]/[scfm]	4,82/170	4,04/142	2,05/72,3			
	Max condensate flow [l/h]	2,3	3,4	6,3			
WOS-8	Max oil adsorption [kg]	6,01	5,04	2,55	730	343	680
	Max FAD [Nm³/min]/[scfm]	10,0/353	8,4/296	4,25/150			
	Max condensate flow [l/h]	4,7	7,1	13,1			
WOS-20	Max oil adsorption [kg]	14,64	12,28	6,22	820	366	940
	Max FAD [Nm³/min]/[scfm]	24,4/861	20,5/723	10,37/366			
	Max condensate flow [l/h]	11,4	17,2	32,0			
WOS-35	Max oil adsorption [kg]	25,4	21,31	10,79	960	386	1137
	Max FAD [Nm³/min]/[scfm]	42,3/1495	35,5/1254	17,99/635			
	Max condensate flow [l/h]	19,8	29,8	55,6			



[1] Max. operating temperature is 65 °C, but when temperature is over 45 °C, performance may decrease.

[2] At compressor oil carryover 2,5 mg/m³. Lower/higher oil carry over means proportionally longer/shorter lifetime (e.g. if oil carryover is 5mg/m³ lifetime reduces to 2000 operating hours).