



# WOS SERIES

## WATER-OIL SEPARATORS

**ø10 mm**  
inlet connection

**1,5 to 45 °C**  
operating temperature range

**RAL 5012**  
standard colour

### 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.

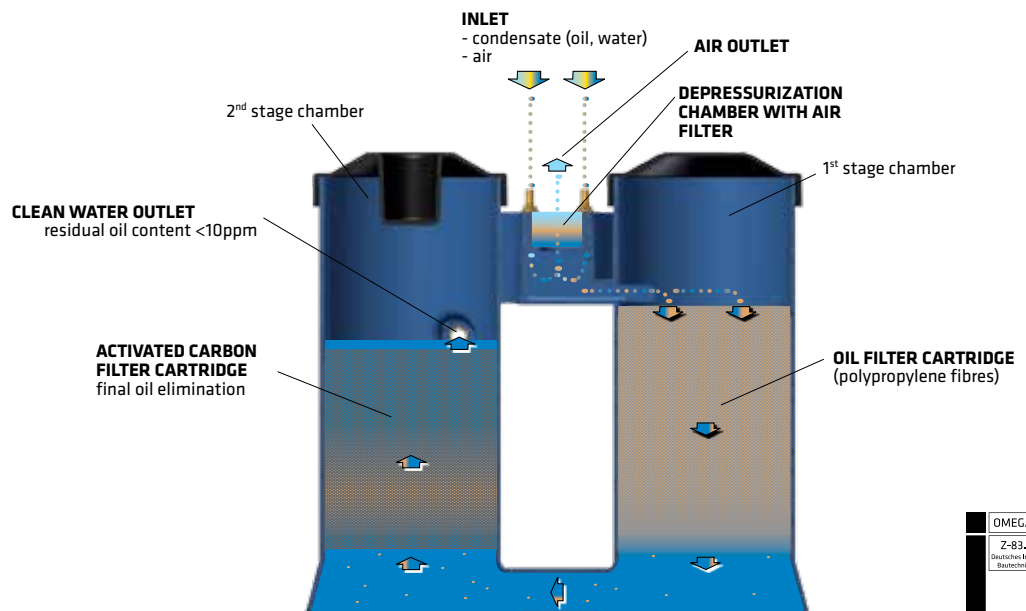
### APPLICATIONS

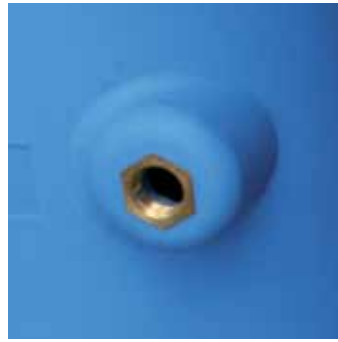
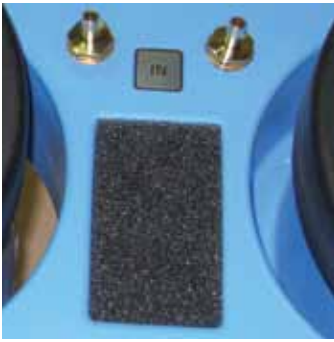
- Compressed air systems



### ADVANTAGES

- ✓ No complex sizing required.
- ✓ Simple to install.
- ✓ Works with any type of 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.





**Water quality test**

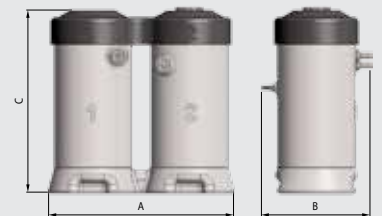
Water quality test should be performed at least once per month, to control the contamination level of disposed condensate.

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

**TECHNICAL DATA**

Operating temperature	1,5 - 45 °C (max 65 °C) <sup>(1)</sup> ; 35 - 113 °F (max. 149 °F) <sup>(2)</sup>
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 <sup>(4)</sup> - 12 months regardless of compressor operating hours - outlet oil concentration reaches concentration determined with local directives

TECHNICAL DATA		Cold climate zone	Mild climate zone	Hot climate zone	Dimensions [mm]		
		15 °C 60 %RH	25 °C 60 %RH	40 °C 100 %RH	A	B	C
WOS-4	Max oil adsorption [kg]	2,89	2,43	1,23	416	243	411
	Max FAD [Nm <sup>3</sup> /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 [Nm <sup>3</sup> /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 [Nm <sup>3</sup> /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 [Nm <sup>3</sup> /min]/[scfm]	42,3/1495	35,5/1254	17,99/635			
	Max condensate flow [l/h]	19,8	29,8	55,6			



<sup>(1)</sup> Max. operating temperature is 65 °C, but when temperature is over 45 °C, performance may decrease.

<sup>(2)</sup> At compressor oil carryover 2,5 mg/m<sup>3</sup>. Lower/higher oil carry over means proportionally longer/shorter lifetime (e.g. if oil carryover is 5mg/m<sup>3</sup> lifetime reduces to 2000 operating hours).

# omega air

## *Air and Gas Treatment*



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