ALUP Kompressoren

OWS 4-900 OIL-WATER SEPARATOR CONDENSATE TREATMENT SYSTEMS

BECAUSE IMPROVEMENT NEVER STOPS

CONDENSATE TREATMENT: A COMPRESSED AIR NECESSITY

If you own an oil-lubricated compressor, condensate treatment is an absolute requirement that is too often overlooked. The condensate these compressors generate consists of an oil-water emulsion, which must be properly treated. Specifically, the oil must be separated out from your waste water and safely disposed of to protect the environment. The OWS 4-900 oil-water separator series from ALUP offers you a more effective and low maintenance way of getting this important job done without having to rely on third party equipment.

OWS: IMPROVED FILTRATION & ENVIRONMENTAL PROTECTION

The new ALUP OWS safely and reliably separates oil from the condensate of oil-lubricated compressors. Thanks to its dual-stage treatment with polypropylene and activated carbon or organoclay, the OWS also separates out stable emulsions* for more complete filtration. The result: your waste water meets the most stringent purity standards and contributes to a cleaner environment.

* A stable emulsion is a mix of oil and water that have not naturally separated.

OWS: YOUR BENEFITS

- → EXTREMELY CLEAN WASTE WATER High purity with oil content as low as 5 ppm at outlet
- → LOWER YOUR OPERATIONAL COSTS Quick and clean service with easy-to-replace cartridges
- → LOW MAINTENANCE 4,000-hour service interval
- → BETTER FILTRATION FOR A CLEANER ENVIRONMENT Can remove oil as well as stable emulsions
- → HIGHLY EFFICIENT Extend the ALUP quality throughout your compressed air system

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A BETTER OIL-WATER SEPARATOR

Filtration with polypropylene and activated carbon/organoclay - Filtration starts with polypropylene removing the free oil, followed by activated carbon/organoclay separating the stable emulsions. This dual-stage treatment also filters out more oil than conventional oil-water separators.

Service indicator - While traditional oil-water separators can be difficult and messy to service, the OWS was specifically designed for easy maintenance.

OPTIONS

- OVERFLOW INDICATOR
- MANIFOLD FOR MULTIPLE CONDENSATE INLET
- WALL MOUNTING KIT
- SPILL CONTAINER

TECHNICAL SPECIFICATIONS

Model	Max capacity - Mild climate without dryer & filters		Max capacity - Mild climate with dryer & filters		Dimensions					
	m³/hr	cfm	m³/hr	cfm	A	B	C	Weight	Connections	
					mm (in)	mm (in)	mm (in)	kg (lb)	Condensate inlet	Water outlet
OWS 4	54	32	43	25	250 (10)	147 (6)	216 (9)	1.2 (2.6)	6mm (1/4")	10mm (3/8")
OWS 9	113	66	90	53	250 (10)	147 (6)	216 (9)	1.5 (3.4)	6mm (1/4")	10mm (3/8")
OWS 18	225	132	180	106	390 (15)	278 (11)	428 (17)	5.8 (12.7)	2 x 1/2"	1/2"
OWS 31	383	225	306	180	397 (16)	286 (11)	507 (20)	7.7 (1 6.9)	2 x 1/2"	1/2"
OWS 61	765	450	612	360	490 (19)	396 (16)	576 (23)	13.1 (28.9)	2 x 3/4"	3/4"
OWS 108	1350	795	1080	636	583 (23)	446 (18)	721 (28)	25.3 (55.7)	2 x 3/4"	3/4"
OWS 225	2813	1655	2250	1324	692 (27)	568 (22)	970 (38)	45.1 (99.4)	2 x 3/4"	3/4"
OWS 450	5625	3311	4499	2648	975 (38)	782 (31)	1000 (39)	86 (189.5)	2 x 3/4"	3/4"
OWS 900	11250	6621	8998	5296	975 (38)	1600 (63)	1000 (39)	171.9 (379.1)	2 x 3/4"	3/4"

Sizes above are available with Activated Carbon or Organoclay. Selection to be done based on each application.

Reference conditions:
Relative air humidity: 60%
Air inlet temperature: 25°C (77°F)
Running hours per day: 12 hrs
Effective working pressure: 7 bar (102 psi)

Correction factors:

Relative humidity	%	0.5	0.6	0.7	0.8	0.9		
	Correction factor	1.10	1.00	0.85	0.74	0.66		
Ambient temperature	°C	15	20	25	30	35	40	
	Correction factor	1.33	1.17	1.00	0.76	0.50	0.30	
Running hours per day	hrs	12	14	16	18	20	22	24
	Correction factor	1	0.86	0.75	0.67	0.6	0.55	0.5

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