



# OIL-WATER SEPARATORS





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Local environmental laws and regulations, state that condensate drained from compressed air systems cannot be returned to the sewage system, due to the content of compressor lubricating oil.

ALDAIR OIL-WATER SEPARATORS have been developed to separate lubricant oil from condensate generated in compressed air<sup>(1)</sup> systems.

ALDAIR OIL-WATER SEPARATOR is one of the most effective and economical water oil separators. Multi-stage separation process using oleophilic filters and activated carbon, ensures exceptional performance and trouble-free operation.

ALDAIR OIL-WATER SEPARATORS covers all compressor capacities up to 35 m<sup>3</sup>/min.

Otherwise, water quality test should be performed at least once per month, in order to control the contamination level of disposed condensate. If oil concentration is reached, oil filter cartridges must be changed.

(1) Maximum operating temperature is 65°C, but when temperature is over 45°C, performance may decrease.

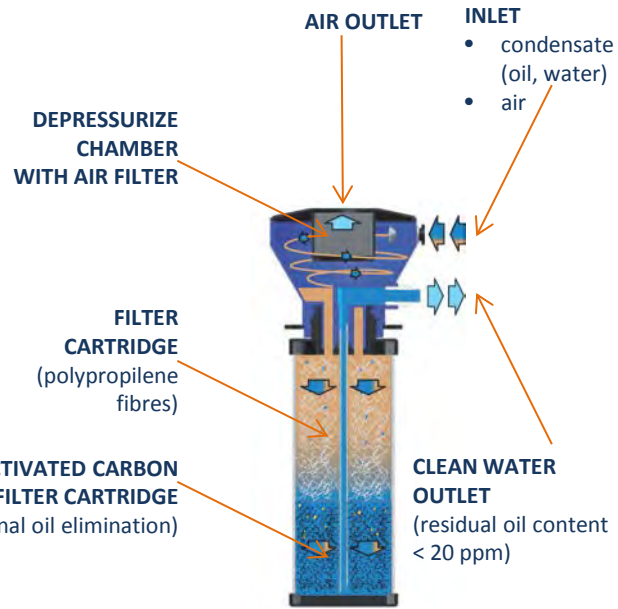
# OIL-WATER SEPARATORS FOR SMALL FLOWS

## APPLICATIONS

- Compressed air systems.
- Suitable for installation inside compressors.
- Compressed air dryers.
- Condensate separators.
- Pressure vessels.

## BENEFITS

- Quick and clean separator cartridge replacement.
- Easy installation due to compact design and small dimensions.

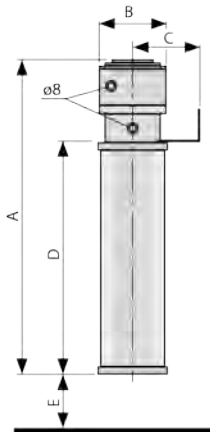


Separation begins in “cyclonic depressurization chamber” and continues in filter cartridge. When the filter cartridge is fully saturated you just simply unscrew complete cartridge and replace it with new one.

All the condensate stays in old cartridge which can also be sealed with plastic cover and disposed according to local directives and laws.

<b>OPERATING TEMPERATURE</b>	1,5 - 45°C (max 65°C) <sup>(1)</sup> ; 35 - 113°F (max. 149°F) <sup>(1)</sup>
<b>OPERATING MEDIA</b>	Condensate (air, water, oil); Non agressive; Not suitable for emulsion
<b>RESIDUAL OIL CONTENT</b>	< 20ppm
<b>SERVICE INTERVAL when first of following parametres appears</b>	4000 operating hours of compressor <sup>(2)</sup>
	12 months regardless of compressor operating hours
	All white polypropylene media becomes yellow

REFERENCE	FEATURE	CLIMATE ZONE			DIMENSIONS [mm]				
		COLD 15°C 60%RH	MILD 25°C 60%RH	HOT 40°C 100%RH	A	B	C	D	E
SCH79521	Max oil adsorption [g]	740	650	370	483	106	80	335	50
	Max FAD [Nm <sup>3</sup> /min]/[scfm]	1,23/43,05	1,08/37,8	0,62/21,9					
	Max condensate flow [l/h]	0,57	0,90	1,91					
SCH79522	Max oil adsorption [g]	1520	1340	770	816	106	80	670	50
	Max FAD [Nm <sup>3</sup> /min]/[scfm]	2,54/88,9	2,23/78,05	1,28/45,2					
	Max condensate flow [l/h]	1,19	1,87	3,96					



(1) Maximum operating temperature is 65°C, but when temperature is over 45°C, performance may decrease.

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

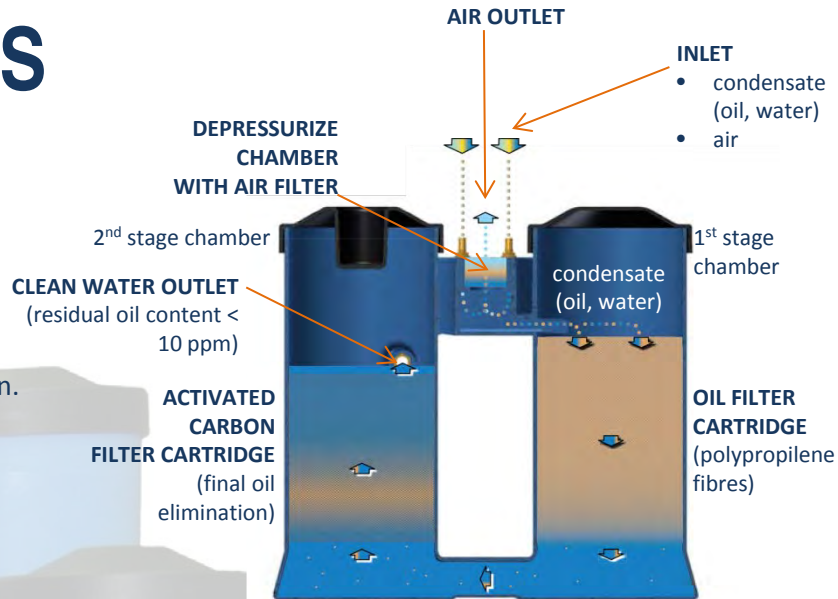
# OIL-WATER SEPARATORS FOR BIG FLOWS

## APPLICATIONS

- Compressed air systems.

## BENEFITS

- 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.



<b>OPERATING TEMPERATURE</b>	1,5 - 45°C (max 65°C) <sup>(1)</sup> ; 35 - 113°F (max. 149°F) <sup>(3)</sup>
<b>OPERATING MEDIA</b>	Condensate (air, water, oil); Non aggressive; Not suitable for emulsion
<b>RESIDUAL OIL CONTENT</b>	< 10ppm
<b>SERVICE INTERVAL when first of following parametres appears</b>	4000 operating hours of compressor <sup>(4)</sup>
	12 months regardless of compressor operating hours
	Outlet oil concentration reaches concentration determined with local directives

REFERENCE	FEATURE	CLIMATE ZONE			DIMENSIONS [mm]		
		COLD 15°C 60%RH	MILD 25°C 60%RH	HOT 40°C 100%RH	A	B	C
SCH73129	Max oil adsorption [g]	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			
SCH79518	Max oil adsorption [g]	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	1,31			
SCH79519	Max oil adsorption [g]	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			
SCH79520	Max oil adsorption [g]	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			



(3) Maximum operating temperature is 65°C, but when temperature is over 45°C, performance may decrease.

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



# OIL-WATER SEPARATORS REPLACEMENTS

HOUSING REFERENCE	REPLACEMENT REFERENCE	REPLACEMENT DESCRIPTION
SCH79521	SCR79524	<b>2 ELEMENTS KIT:</b> <b>FILTER CARTRIDGE</b> (polypropilene fibres) + <b>ACTIVATED CARBON FILTER CARTRIDGE</b> (final oil elimination)
SCH79522	SCR79525	<b>2 ELEMENTS KIT:</b> <b>FILTER CARTRIDGE</b> (polypropilene fibres) + <b>ACTIVATED CARBON FILTER CARTRIDGE</b> (final oil elimination)
SCH73129	SCR79526	<b>OIL FILTER CARTRIDGE</b> (polypropilene fibres)
	SCR79530	<b>ACTIVATED CARBON FILTER CARTRIDGE</b> (final oil elimination)
SCH79518	SCR79527	<b>OIL FILTER CARTRIDGE</b> (polypropilene fibres)
	SCR79532	<b>ACTIVATED CARBON FILTER CARTRIDGE</b> (final oil elimination)
SCH79519	SCR79528	<b>OIL FILTER CARTRIDGE</b> (polypropilene fibres)
	SCR79533	<b>ACTIVATED CARBON FILTER CARTRIDGE</b> (final oil elimination)
SCH79520	SCR79529	<b>OIL FILTER CARTRIDGE</b> (polypropilene fibres)
	SCR79534	<b>ACTIVATED CARBON FILTER CARTRIDGE</b> (final oil elimination)





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