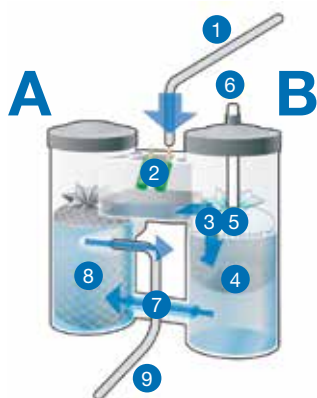




Oil-water separators

The WS Series oil-water separators collect the separated residual oil in a suitable container allowing the water which has been cleared of impurities to be drained. They represent a valid and economical solution to separate oil from condensate and offer a solution in-line with ecological legislation.



1. For any type of condensate, including mixture of different oils
2. The condensate is collected by silencers installed in an expansion chamber in which takes place the first separation stage by depressurisation.
3. The water-oil emulsion enter column A and then passes through an oil skimmer made of fibres that absorb the oil and allow the water to flow
4. The oil skimmer floats in column A, favouring the absorption of the residual oil present at the surface
5. As the oil saturation increases, the weight of the filter increases and the oil goes near the maintenance indicator level. The unsaturated part of the filter remains in contact with the surface of the water
6. When the filter is completely saturated, the indicator shows that you need to replace the filter
7. Only the clean condensate (without oil) deposited at the bottom of column A passes into column B
8. Column B contains active carbons and absorbs any remaining residual oil from the condensate. The effectiveness of the system prevents any leaks in case of system lock or excessive condensate production
9. The oil content coming out of the system is about 15 mg/litre considering the reference conditions; this value allows discharging the condensate without affecting the environment



Model	Part number	Installation flow with dryer		Installation flow without dryer		Connections		a	b	c	Weight
		l/min	m³/h	l/min	m³/h	input 1	output 2	mm	mm	mm	kg
WS13	8102045989	2100	126	2700	162	1 x 1/2"	1 x 1/2"	470	165	600	4
WS34	8102045997	5700	342	7083	425	2 x 1/2"	1 x 1/2"	680	255	750	13
WS52	8102046003	8700	522	10500	630	2 x 1/2"	1 x 1/2"	680	255	750	15
WS128	8102046011	21300	1278	26100	1566	2 x 3/4"	1 x 3/4"	750	546	900	25
WS218	8102046029	36300	2178	45600	2736	2 x 3/4"	1 x 3/4"	750	546	1030	26
WS297	8102046037	49500	2970	61200	3672	2 x 3/4"	1 x 3/4"	945	650	1100	28
WS425	8102046045	70800	4248	87300	5238	2 x 3/4"	1 x 3/4"	945	695	1100	30
WS850	8102046052	141600	8496	174600	10476	2 x 3/4"	1 x 1"	945	1185	1100	60

Notes

Reference conditions:									
Residual oil equivalent to 15 mg/l.									
Mild ambient temperature (25 °C with 60% relative humidity)									
Correction factors: multiply the indicated capacity by the relevant correction factor.									
Cold environment (15 °C/60% UR)	with Dryer	without Dryer							
Correction factor	1.80	2.30							
Hot environment (35 °C/70% UR)	with Dryer	without Dryer							
Correction factor	0.45	0.40							
Working cycle: hours a day	8	10	12	14	16	18	20	22	24
Correction factor	1.50	1.20	1.00	0.86	0.75	0.67	0.60	0.55	0.50
10 mg/l residual oil Correction factor 0.67									

Maintenance kit

To ensure constant performance and prompt maintenance of your system, we provide special maintenance kits. Each kit has been designed to simplify the maintenance operations and to ensure proper functioning of the system. The cartridge can be easily replaced by removing the separator cover. The filters kit comes with a container for safe removal of the old filters



There are three service kits for each type of oil-water separator:

- Service kit A contains all the items necessary to replace the oil skimmer. This kit is recommended for the first maintenance intervention after installation under normal conditions of temperature and humidity. Then we recommend the use of maintenance kit D.
- Service kit B contains all the items necessary for replacing the oil skimmer twice and the active carbon filter once. This kit is recommended for normal conditions of temperature and humidity. The active carbon filter lasts twice as much as the oil skimmer.
- Service kit D contains all the items necessary for replacing the oil skimmer and the active carbon filter once. This kit is recommended when the condensate contains a significant amount of oil, that saturates all the filters at the same time.
- Note: the maintenance kits contain a nozzle, silencers and filter holder containers.