



OffLine Separator Water OLSW

Description

The OffLine Separator Water is used to remove oil from contaminated washing liquids with densities of $< 900 \text{ kg/m}^3$ (water with mineral oil $< 10 \text{ Vol\%}$).

The oil removal unit works according to the coalescence principle. This means that tiny oil droplets combine into larger drops in the coalescing elements and these large drops rise to the top due to the buoyant force of the water.

The OLSW is installed offline; a prefilter is available as an option.

Applications

- Industrial part washing systems

Advantages

- Extended service life
- Improved cleanliness
- Plug & Work unit
- Oil separation is virtually unlimited since the filter elements are non-adsorbing
- Stainless steel housing
- Automatic oil drain, allowing unit to function independently
- Optional:
Version M:
Mobile version with 100-litre drip tray.

Version B1:
Coalescence tank only, electrical equipment/connection provided by customer.

Technical specifications

Hydraulic specifications	
Nominal flow:	for OLSW 11/20: 20 l/min
Maximum permitted pressure	max. 6 bar
Permitted pressure at inlet INLET WATER	-0.6 ... 0.4 bar (with pump) 1.5 ... 5 bar (without pump)
Permitted pressure at drain DRAIN OIL	Not pressurized
Hydraulic connection INLET / OULTLET WATER	G1/2
Hydraulic connection DRAIN OIL	G1/2
Electrical specifications	
Supply voltage	version-dependent, see Model Code
Protection class to DIN 40050	IP 54
General specifications	
Permitted fluids	Water-based cleaning fluids, contaminated with mineral oil
Permitted fluid temperature	up to 80 °C
Permitted ambient temperature	5 ... 40 °C
Capacity of coalescing tank	65 litres
Number of coalescing elements	11 pieces
Number of filter elements	1 piece
Weight	Standard version $\approx 165 \text{ kg}$ Version M $\approx 185 \text{ kg}$ Version B1 $\approx 50 \text{ kg}$
Dimensions	Standard version 1420 X 1120 X 545 mm Version M 1864 X 1000 X 535 mm Version B1 400 X 393 X 1350 mm
Materials:	
Filter housing/Foot	Stainless steel / steel, painted
Seals	FPM

MODEL CODE

OLSW 11 / 20 - W - N - 20 - 1 - D18 - 1 / Z

Basic model —
OLSW =
OffLine Separator Water

Elements —
11 = number of elements

Nominal flow rate —
20 = 20 l/min

Pump —
Z = without pump
W = centrifugal pump

Supply voltage

B = 480 V - 3 Ph
C = 380 V - 3 Ph
G = 440 V - 3 Ph
L = 115 V - 1 Ph
M = 230 V - 1 Ph*
N = 400 V - 3 Ph*
O = 460 V - 3 Ph
P = 575 V - 3 Ph
S = 500 V - 3 Ph
R = 415 V - 3 Ph
W = 230 V - 3 Ph*
X = other voltage (on request)
L60, M60, ... = operation at 60 Hz
Z = without motor
*) Standard in Europe according to
CENELEC HD472 S1 at 50 Hz

Element length —
20 = coalescing element 20"

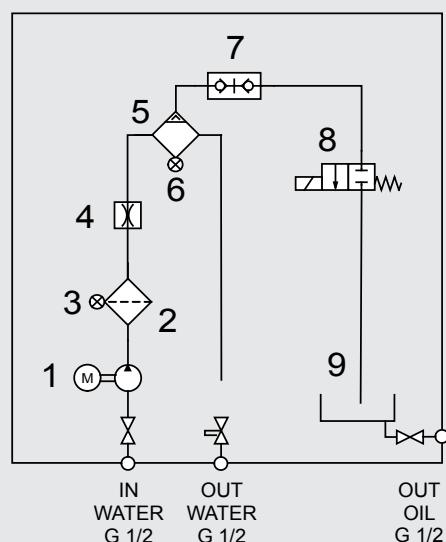
Pre-filter —
1 = MRF1
Z = without

Clogging indicator —
D18 = electrical clogging indicator

Oil drain —
1 = oil drain, automatic, into 22 litre oil tank
with manual discharge
2 = oil drain, automatic, into 100 litre oil tank
with manual discharge

Supplementary details —
M = mobile
H = heater with 10 kW heat output = H10
I = insulation
Z = without electric control
B1 = electric control provided by customer

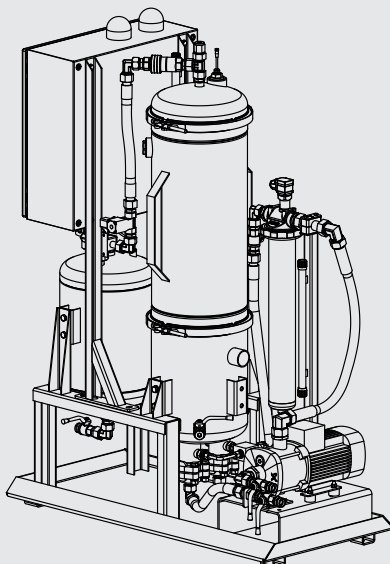
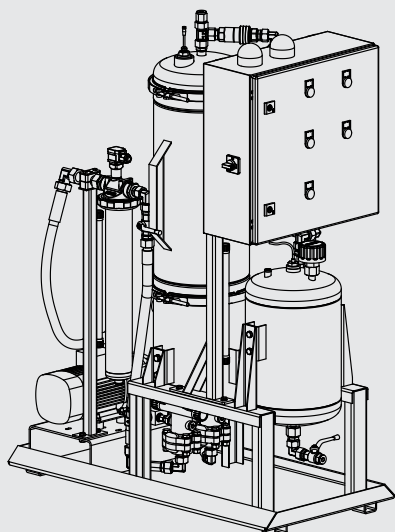
Hydraulic circuit diagram



Item	Description
1	Motor-pump assembly
2	Pre-filter
3	Clogging indicator
4	Flow restrictor
5	Coalescing tank
6	Clogging indicator
7	Quick release coupling
8	Oil drain valve (automatic drain)
9	Oil tank / drip tray with fluid level sensor

General view - Standard version

22-litre oil tank

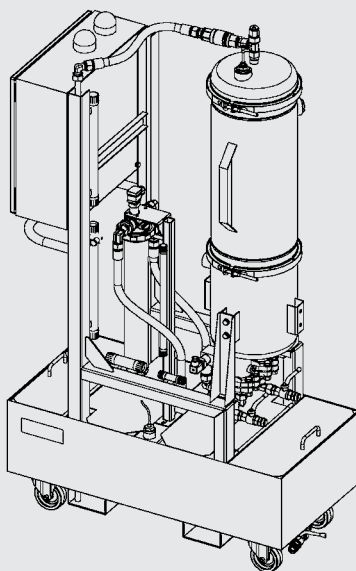
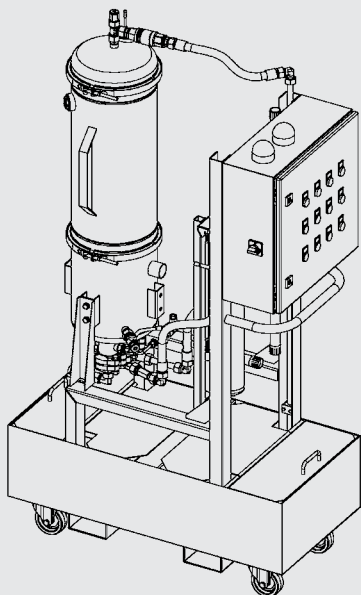


Items supplied

- OLSW
(without elements)
- Operating and Maintenance
Instructions

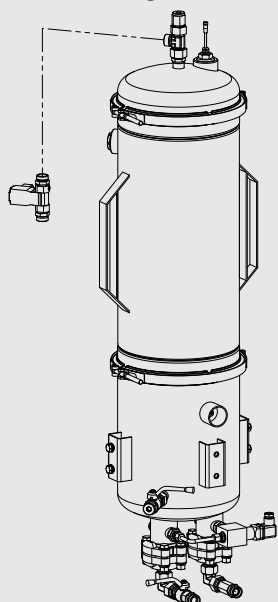
General view - Version M

100-litre drip tray



General view - Version B1

Electrical integration to be carried out by customer



Note

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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