



## Condensate technology | ÖWAMAT® 10 | 11 | 12 | 14 | 15 | 16

### Safe and efficient oil-water separation: ÖWAMAT®

The ÖWAMAT® is a tried and tested oil-water separation system for dispersed condensates. These models (with and without free oil separation) are for the removal of synthetic or mineral oils, and for the processing of condensate produced in screw or piston compressors. They have been type-approved and therefore do not require a separate operating licence under water protection legislation. Please refer to the Water Resources Act 1991 legislation.gov.uk

#### Efficient condensate processing

Legislators demand that discharged condensate is processed properly and safely. We make it easy for operators to meet the legal requirements. With our extensive range of condensate processing solutions that reflect our commitment to sustainability, our ÖWAMAT® oil-water separation systems are available with our without preseparator and in six sizes to suit any plant. They combine economy and ecology, catering for the safe processing of dispersed condensate at the point where it occurs – in a cost-effective and efficient manner.



ÖWAMAT® is type-approved in Germany

#### › Low operating costs

- › Long filter service life
- › No energy costs
- › Fixed costs for cartridges, spare parts and disposal

#### › Operational safety

- › Visual and electronic overflow indicator
- › Visual reference turbidity check
- › Intuitive control

#### › User-friendly design

- › Clean exchange of cartridges
- › Easy retrofitting
- › Adjustable connections

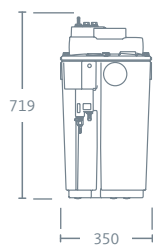
#### › Efficient separation

- › 3-stage separation
- › Particularly suitable for fluctuating condensate volumes

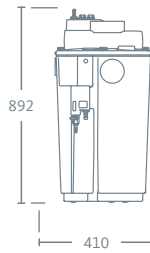
#### › Environmentally friendly

- › Compared with activated carbon, 40% less CO<sub>2</sub> is emitted in the production of the PP strips required to adsorb 1kg of oil
- › Meets German statutory requirements (DIBt type approval)

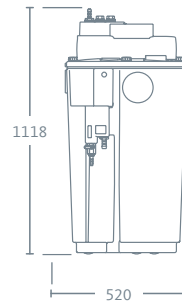
without preseparator



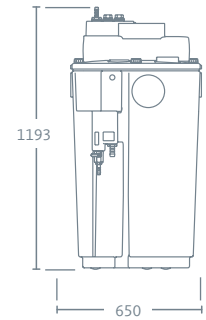
Depth: 397



Depth: 461

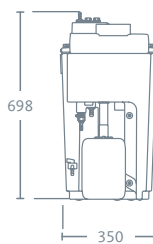


Depth: 573

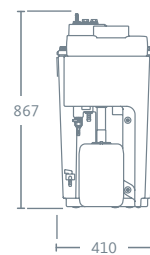


Depth: 702

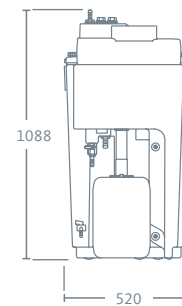
with preseparator



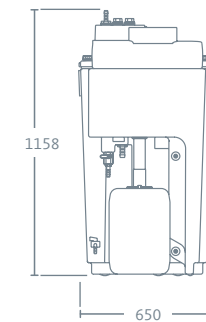
Depth: 544



Depth: 594



Depth: 764



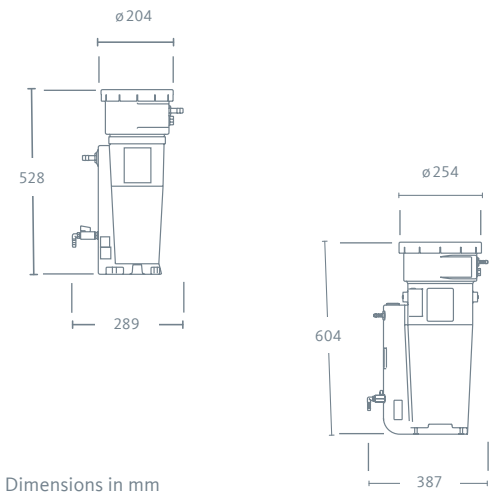
Depth: 939

Dimensions in mm

Technical data	ÖWAMAT® 12	ÖWAMAT® 14	ÖWAMAT® 15	ÖWAMAT® 16
Min./max. compressor performance:	4.2 ... 7.3 m³/min	8.4 ... 14.6 m³/min	16.9 ... 29.3 m³/min	33.8 ... 58.5 m³/min
Container volume:	30.6 l	61.3 l	115.5 l	228.4 l
Capacity with preseparator:	22.7 l	46.3 l	84.3 l	158.8 l
Capacity without preseparator:	20.3 l	41.5 l	72.5 l	137.2 l
Prefilter:	2.5 l	6.7 l	18.5 l	37.2 l
Main filter / cartridge capacity:	5.9 l	11.0 l	20.4 l	40.3 l
Approx. main filter / cartridge weight (wet)	4.0 kg	8.0 kg	16.0 kg	36.0 kg
Condensate inlet (hose size):	3 x G½ inside (∅ inside = 10 mm), 1 x G1 inside (∅ inside = 25 mm)			
Water outlet (hose size):	1x G½ inside (∅ inside = 13 mm)	1x G1 inside (∅ inside = 25 mm)		
Service valve (hose size):	1x G¼ inside (∅-inside = 13 mm)			
Oil discharge:	DN 25		DN 40	
Oil receiver:	2 x 5 l		2 x 10 l	2 x 20 l
Empty weight with preseparator:	13.5 kg	18.5 kg	36.5 kg	53 kg
Empty weight without preseparator:	12 kg	16 kg	32 kg	42 kg
Min./max. temperature	+5 ... +60 °C			
Max. operating pressure at inlet	16 bar			

For ÖWAMAT®	10	11	12	14	15	16
Prefilter (l)	1 x 2.5	1 x 4.7	1 x 2.5	1 x 6.7	1 x 18.5	1 x 37.2
Main filter (l)	1 x 2.6	1 x 4.8	1 x 5.9	1 x 11	1 x 20.4	1 x 40.3
Weight (kg)	0.5	1.98	1.98	3.38	6.03	11.12
Order no.	4010719	4011999	4010711	4010712	4010713	4010714

Technical data	ÖWAMAT® 10	ÖWAMAT® 11
Min./max. compressor performance:	1.4 ... 2.4 m³/min	2.8 ... 4.9 m³/min
Container volume:	10 l	18.6 l
Capacity:	4.3 l	11.7 l
Prefilter:	2.5 l	4.7 l
Main filter:	2.6 l	4.8 l
Condensate inlet (hose size):	2 x G½ inside (∅ inside = 10 mm)	
Water (hose size):	1 x G½ inside (∅ inside = 10 mm)	
Weight (empty):	3.5 kg	5.75 kg
Min./max. temperature	+5 ... +60 °C	
Max. operating pressure at inlet	16 bar	



### Extended warranty

The ÖWAMAT® oil-water separator, high-performance quality product comes with a 2-year warranty. To ensure trouble-free and efficient operation use only original components. Operation with third-party components or consumables shall void the warranty.

### Original OEKOSORB® replacement filters

Original filters guarantee high performance, operational safety and compliance with water protection legislation.



## OEKOSORB® filter kit

Like all high-performance units, the ÖWAMAT® needs to be serviced. Our filter kits make this an easy task. If you require assistance, contact our service technicians, who are also qualified to examine and assess your entire compressed air system for further optimisation.



# Climate – a key factor



The performance data in this price list refer to climate zone ■.

ÖWAMAT	10	11	12*	14*	15*	16*
--------	----	----	-----	-----	-----	-----

## Compressor performance (m<sup>3</sup>/min)

### Screw compressor

Turbine oil	■	2.8	5.5	8.5	16.9	33.6	67.3
	■	2.4	4.9	7.3	14.6	29.3	58.5
	■	2.1	4.2	6.2	12.5	24.9	49.7
Screw compressor VDL oil	■	2.8	5.5	8.5	16.9	33.6	67.3
	■	2.4	4.9	7.3	14.6	29.3	58.5
	■	2.1	4.2	6.2	12.5	24.9	49.7
Screw compressor VCL oil	■	2.1	4.2	6.5	13.0	25.9	51.8
	■	1.9	3.8	5.6	11.3	22.5	45.0
	■	1.6	3.2	4.8	9.6	19.1	38.3
Synthetic oil: PAO (max. performance deviation +/-20 %)	■	2.1	4.2	6.5	13.0	25.9	51.8
	■	1.9	3.8	5.6	11.3	22.5	45.0
	■	1.6	3.2	4.8	9.6	19.1	38.3
Synthetic oil: ester (max. performance deviation +/-40 %)	■	1.8	3.6	5.5	11.1	22.0	44.0
	■	1.6	3.2	4.8	9.6	19.1	38.3
	■	1.4	2.8	4.0	8.2	16.3	32.5

### Piston compressor

VDL oil	■	1.9	3.8	5.9	11.7	23.3	46.6
	■	1.7	3.4	5.1	10.1	20.3	40.5
	■	1.5	2.9	4.3	8.7	17.2	34.4
Synthetic oil: PAO (max. performance deviation +/-20 %)	■	1.6	3.2	4.9	9.8	19.4	38.8
	■	1.4	2.8	4.2	8.4	16.9	33.8
	■	1.2	2.4	3.6	7.2	14.3	28.7
Synthetic oil: ester (max. performance deviation +/-40 %)	■	1.8	3.7	5.6	11.2	22.3	44.6
	■	1.6	3.2	4.9	9.7	19.4	38.8
	■	1.4	2.8	4.1	8.3	16.5	33.0

### Extended performance data for ÖWAMAT®

Performance tests and experience enable us to improve the specific performance of the BEKOMAT® and ÖWAMAT®, based on the climate zone in which the unit is to be installed.

The ÖWAMAT® units are specifically configured for the following three climate zones:

- e.g. Northern Europe, Canada, Northern USA, Central Asia
- e.g. Central/Southern Europe, Central America
- e.g. South-East Asian coastal regions, Oceania, Amazon and Congo regions

## BEKO TECHNOLOGIES GMBH

Im Taubental 7 | D-41468 Neuss

Tel. +49 2131 988 - 1000

info@beko-technologies.com

www.beko-technologies.com



Subject to technical changes without prior notice. Errors and omissions excepted.