



## + Features and Benefits

**SIMPLIFIED SERVICE / NO MESS:**  
lightweight, easy to change cartridge and the exterior remains clean and dry (no dirty hands)

**UNIQUE ADSORPTION MATERIAL:**  
new filling material that is extremely light, not messy and has increased performance

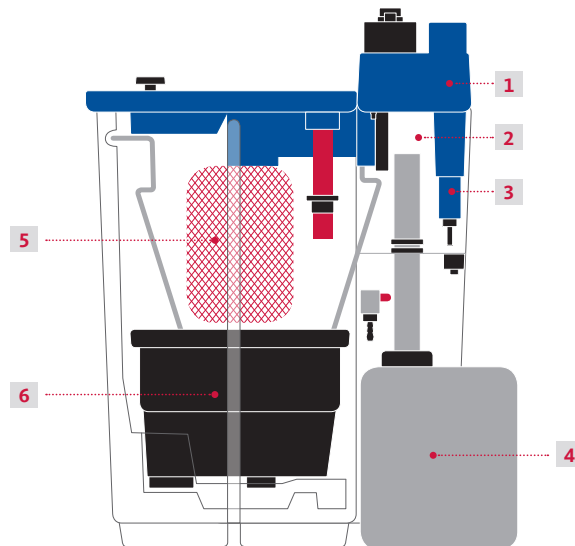
**INTEGRATED PRE-SEPARATION:**  
separation of free oil increases capacities



**ENVIRONMENTALLY SAFE:**  
cartridge can be disposed of normally and is safe for any sanitary land-fill

**EASY RETROFIT HEATING UNIT:**  
all model sizes can be equipped with heating elements for cold weather applications

## + Operating Principle



For the processing, the oil-containing condensate first flows under pressure into the pressure relief chamber (1). Here, the pressure is reduced without causing turbulence in the downstream separating tank for the separation of free oils (2). Any entrained coarse dirt particles are retained in a removable receiver (3). In the separating tank, the oil settles on the surface as a result of gravity separation and is led into the spillproof oil receiver (4).

The filter makes the difference: The condensate, pre-cleaned in this manner, now flows through the oleophilic prefilter (5), which boasts a large active filtering surface. With a flow from the inside to the outside, it binds the remaining oil droplets and also absorbs any residual floating oil in the filter chamber. The core is the OEKOSORB® main filter with cartridge technology (6): here, residual oil fractions are reliably retained. What remains is water which may be directly introduced into the sewer system.

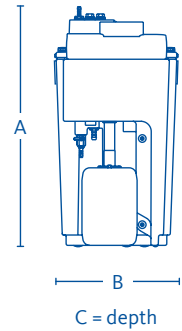
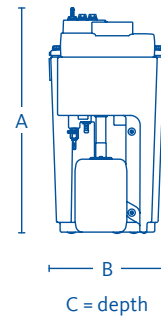
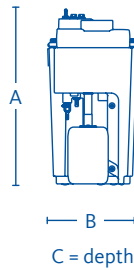
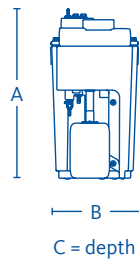
# ÖWAMAT® Gravity Oil-Water Separators

with gravity pre-separation and cartridge filtration

Min. / Max. Ambient Temperature +41 / +140 °F

Max. Operating Pressure at Inlet 232 psig

Max. Condensate Temperature 140 °F



ÖWAMAT®	12	14	15	16
Condensate Feed	3 x ½"   1 x 1"	3 x ½"   1 x 1"	3 x ½"   1 x 1"	3 x ½"   1 x 1"
Cartridge Capacity (gal)	1 x 0.7   1 x 1.4	1 x 1.8   1 x 2.8	1 x 4.9   1 x 5.3	1 x 4.9   1 x 5.3
Tank Capacity (gal)	8.08	16.19	30.51	60.4
Filling Capacity (gal)	6.00	12.23	22.27	41.9
A (inches)	27.4	34.1	42.9	45.7
B (inches)	22.1	24.8	30.3	38.6
C (inches)	13.8	16.1	20.5	25.6
Weight (lbs)	29.8	40.8	80.5	116.9
<b>Max. Compressor Horsepower   Rotary Screw Compressor</b>				
Mineral Oils	50	110	210	450
PAO / Diester Oils	40	75	130	280