FT-OWT

Oil-water separation-system

Filter- und Trocknertechnik GmbH
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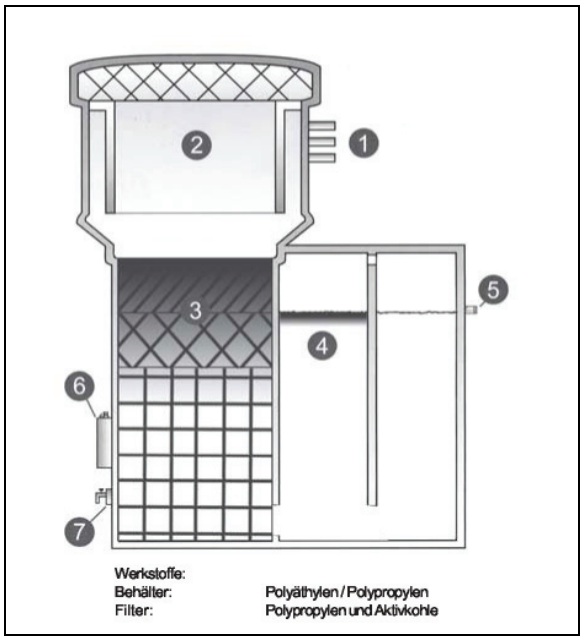
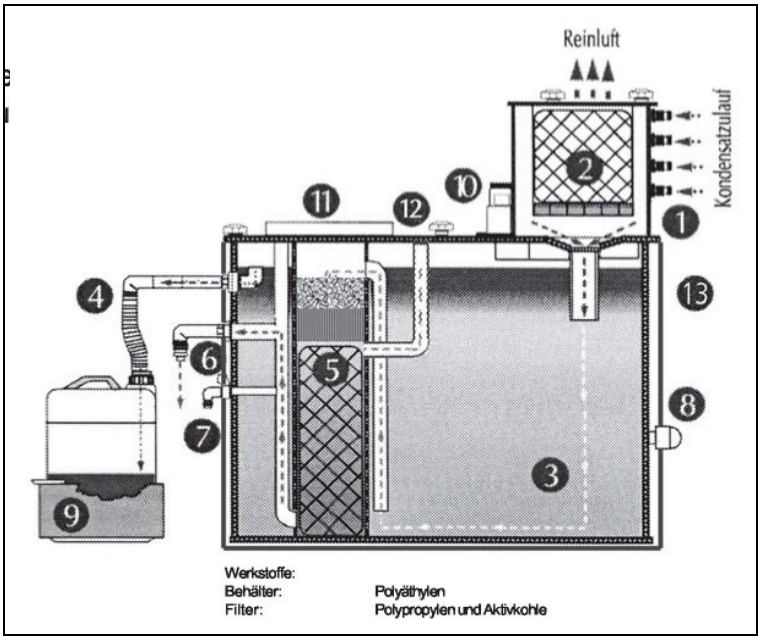
1304e-02.10

Type

FT-OWT 11/12/13:

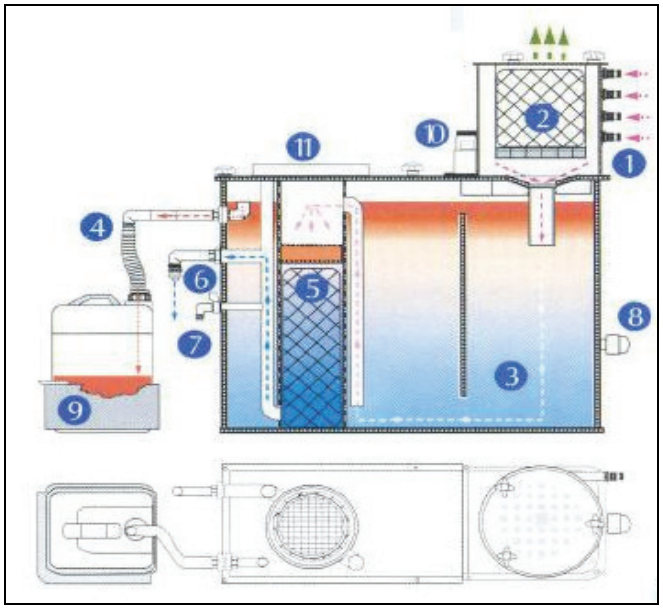


FT-OWT 14:

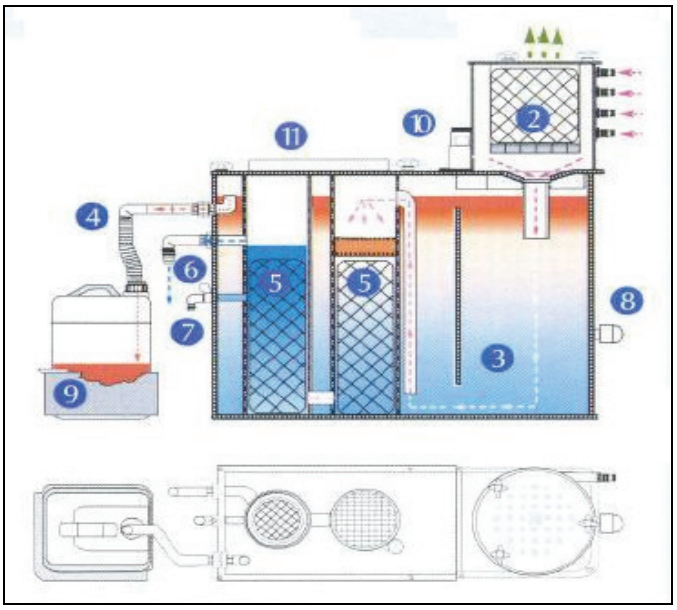


FT-OWT 4/8/15:

(Prefilter is standard from OWT 15)



FT-OWT 30/61:



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Functions

1) **Condensate feed is possible both under pressure and pressure-less:**
   The condensate is feed from the compressor, or the tank, or the dryer if possible with pressure.
   (4 connections 1/2 inch)

2) **Chamber for expansion and de-airation with filter from activated charcoal to filter the exhaust air.**
   This expansion and de-airation chamber assures a calm surface in the separator, even if the condensate is fed under pressure. The activated charcoal filter eliminates the oil from exhaust air.

3) **Settling and Flotation Chamber**
   This is where the mechanical seperation of oil from water takes place.

4) **Oil discharge**
   The angle of draining /discharging the oil is adjustuable.

5) **Filtering:**

   Pre-Filter:
   Filter of knitted plastic fibres (PP) filters out the larger oil droplets,this relieving the activated charcoal filter.

   Activated Charcoal Filter:
   Filters out all the remaining oil doplets and guarantees the high overall efficeny.

6) **Water discharge**
   The remaining oil content of the water discharged is less than 10 mg/ltr if the equipment is correctly dimensioned. This water can be discharged directly into the sewers.

7) **Test Valve**
   The test valve permits very simply to take discharge water samples.

8) **Heating (auxilliary equipment)**
   Thermostatically controlled heaters are available for outdoor installation.

9) **Oil-collect tank with overflow safe-guard**

10) **Test Set (check-glass and oil test paper)**
    See Check and Maintenance Book.

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Technical Data

			Dimensions (mm)							Filtering		
Type FT-OWT	* Com-pressor capacity up to * m³/min.	Container Volume liter	A	B	C	Weight kg	Conden-sate input inch	Water drain inch	Oil drain inch	Prefilter Part no.	Charcoal-filter Water Part no.	 Exh. air Part no.
11	1,5	-	240	240	450	5	3x1/2"	1"	-	-	9400040	
12	2,5	-	240	240	550	7	3x1/2"	1"	-	-	9400041	
13	3,5	-	280	280	610	10	3x1/2"	1"	-	-	9400042	9400039
4	4	74	965	600	380	22	4x1/2"	1"	1"	-	9400033	9400039
14	6	-	437	325	908	17	3x1/2"	1"	1"	-	9400043	9400039
8	8	120	965	620	520	25	4x1/2"	1"	1"	-	9400034	9400039
15	15	160	1160	620	520	28	4x1/2"	1"	1"	9400038	9400035	9400039
30	30	230	1160	850	520	55	4x1/2"	1"	1"	9400038	2x9400036	9400039
61	60	790	1450	1300	1000	90	4x1/2"	2"	2"	2x9400038	4x9400037	9400039

* Capacity valid for srew compressors using non-emulsifying oils. When using other types of compressors and other types of compressor oils, these figures have to be reduced (See Maintenance Book).

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Capacity of FT-OWT

in m³/min of installed compressor activity

Compressor Type	Screw Compressors									Rotary Vane Compressors (oil flooded)									Piston Compressors (1 and 2 stage)								
FT-OWT Separation-system type	11	12	13	14	4	8	15	30	61	11	12	13	14	4	8	15	30	61	11	12	13	14	4	8	15	30	61
Turbin-oil	1,5	2,5	3	6	5	8	15	30	70	1,5	2,5	3	6	4	8	10	25	60	-	-	-	-	2	3	5	10	30
Mineral-rotary oil	1,5	2,5	2	4	3	4	8	18	50	1	2	2	4	2	4	8	15	50	-	-	-	-	-	-	-	-	-
Mineral-piston oil	1,5	2,5	2	4	3	6	10	22	60	1	2	2	4	3	6	10	15	50	-	-	-	-	2	4	8	12	30
Syntetic-oil	-	-	-	-	3	4	8	15	40	-	-	-	-	3	4	8	12	40	-	-	-	-	2	4	8	12	30

Notes:

1) The capacities above are maximum figures!!

2) Reduce capacity when the installation-place is difficult (warm and/or dusty ambient conditions).

3) Divide capacity by 2 for condensate delivered through timed solenoid drains!!

4) Heating improves the function of the FT-OWT and allows installation in freezing environment!
Attention: only FT-OWT 14 !

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