

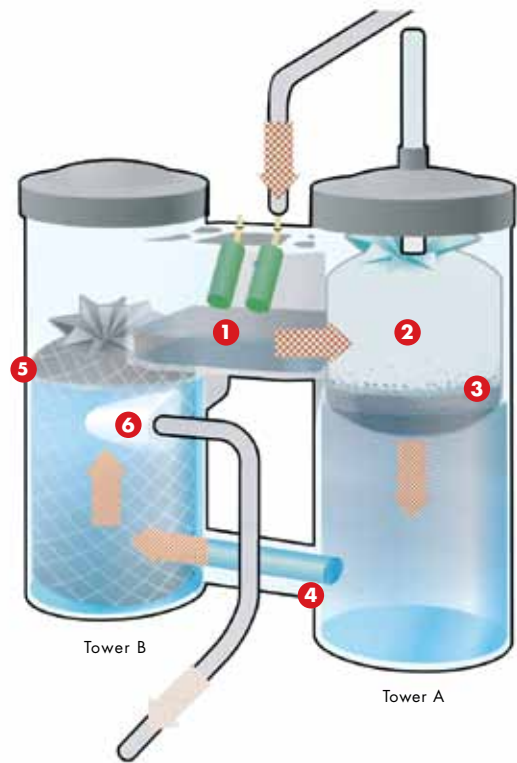


Oil-Water Condensate Separators



A TOTALLY NEW & PATENTED OIL/WATER SEPARATION CONCEPT

Going green means more than just saving energy, it also means environmental safety and respect. Pneumatech now offers a patented way to turn oily condensate into harmless water that can be drained away, while capturing the oil to be easily disposed of in an environmentally friendly manner. The new and extensive OWS range from Pneumatech uses patented technology to separate all kinds of compressed air condensate. The multi-stage separation process, using both buoyant oleophilic filters and activated carbon, ensures exceptional performance, long filter life and trouble free operation.



OPERATING PRINCIPALS

- 1 Condensate enters through the mufflers and depressurizes in the expansion chamber.
- 2 The emulsified oil water mixture then enters tower A and sweeps through the white oleophilic filter. The filter absorbs the oil but not the water.
 - The additional weight of the oil causes the filter to gradually sink as it gets more saturated, which ensures that clean filter material is always in contact with the surface of the water.
 - The indicator stick at the top of tower A shows the status of the filter; as the filter is consumed, the stick sinks.
 - The filter has to be changed just before it's fully submerged.
- 3 The oleophilic filter floats on the water and absorbs any remaining oil from the surface.
- 4 Significantly cleaner condensate flows from tower A to tower B.
- 5 Tower B contains a bag of activated carbon pellets which absorb any residual oil from the condensate.
- 6 Clean condensate exits from tower B with almost no residual oil content, enabling it to be discarded easily and safely.

BENEFITS

- Easy to drain
- Insensitive to vibrations, shocks and splashes
- Enviromentally friendly
- Handles synthetic oil condensate
- No water testing required
- Trouble-free maintenance indicator
- Simple setup

SPECIFICATIONS

Complete Installation - Includes Dryer, Filters & Air Receiver*

Model	Cold Climate System (cfm)	Mild Climate System (cfm)	Hot Climate System (cfm)
OWS-75	138	75	36
OWS-200	382	201	95
OWS-300	572	307	148
OWS-750	1410	753	360
OWS-1280	2438	1283	615
OWS-1750	3286	1749	848
OWS-2500	4706	2502	1208
OWS-5000	9413	5003	2427

Compressor Installation - Includes Filters & Air Receiver (No Dryer)*

Model	Cold Climate System (cfm)	Mild Climate System (cfm)	Hot Climate System (cfm)
OWS-75	223	95	42
OWS-200	594	250	105
OWS-300	880	371	160
OWS-750	2194	922	403
OWS-1280	3816	1611	700
OWS-1750	5110	2162	933
OWS-2500	7315	3085	1336
OWS-5000	14620	6170	2671

- *Notes:
- All capacities are based on an outlet oil content of 15 ppm
 - Climatic conditions used in the table above are defined as follows:
 - Cold conditions ambient temperature 59°F relative humidity 60%
 - Mild conditions ambient temperature 77°F relative humidity 60%
 - Hot conditions ambient temperature 95°F relative humidity 70%
 - OWS-750 and larger are 3 tower units.
 - For poly-glycol based condensates, the capacity of each unit should be halved.

Dimensions

Model	L (inch)	W (inch)	H (inch)	Weight (lbs)
OWS-75	18.5	16.5	24	9
OWS-200	27	10	30	29
OWS-300	27	10	30	33
OWS-750	30	21.5	35	55
OWS-1280	30	21.5	41	57
OWS-1750	37	26	43	62
OWS-2500	37	27	43	66
OWS-5000	37	47	43	132

Connections (BSP/NPT)

Inlet (inch)	Outlet (inch)
½ (1)	½
½ (2)	½
½ (2)	¾
¾ (2)	¾
¾ (2)	¾
¾ (2)	¾
1 (2)	¾

Running Hours

Hours run per day	8	10	12	14	16	18	20	22	24
Correction factor	1.5	1.2	1	0.86	0.75	0.67	0.6	0.55	0.5

Multiply the OWS capacity by the appropriate correction factor to adjust for different running hours. Separation performance: For an outlet oil carryover over 10 ppm instead of 15 ppm, multiply the unit capacity by 2/3.



MAKE LIFE EASY WITH GENUINE PNEUMATECH SERVICE KITS

In addition to the carbon bags needed for one year of normal operation, the kit includes:

- buckets with a water tight sealing lid to put the old bags into, directly after they have been replaced
- mufflers and vapor diffusion filters, enough for a year's normal operation
- gloves and overalls to protect the maintenance engineer from oil splashes



OWS-750



OWS-200



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