



# Condensate Management

Pneumatech's condensate management portfolio includes solutions for separating, draining, detecting and treating oily condensate.

We offer three types of condensate drains depending on your needs: a timer drain, a mechanical zero loss float drain and an electronic zero loss drain. Also for condensate treatment we give you the choice, i.e. between the cost-competitive ECOBOX solution and our premium, patented OWS technology.

**OWS 75 - 5000 -**  
Oil Water Separators

# OWS 75 - 5000 - Oil Water Separators

## Features & Benefits

- ▶ Stable and reliable performance thanks to patented multistage filtration technology
  - Filtering all types of condensate & most condensate emulsions
  - No use of rotating equipment
  - No risk of spillage thanks to large capacity chamber design
- ▶ Eliminating all potential health issues
  - No standing or stagnant water
  - Optional anti-bacteria kit
- ▶ Accurate and quick indication of filter replacement thanks to maintenance indicator, blockage indicator and sampling kit
- ▶ DIBT certified
- ▶ Hassle-free maintenance with genuine service kits

## General Specifications

- ▶ Oil Water Separator
- ▶ Designed outlet oil content : 15 mg/l
  - Oil carry-over down to 5 mg/l possible after derating
- ▶ Flow range at mild ambient conditions: 127-8500 m<sup>3</sup>/hr/ 75-5003 cfm



## Options:



Low temperature kit

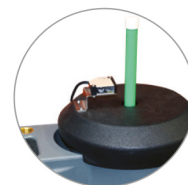
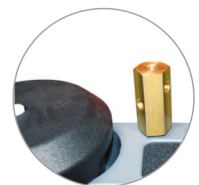


Photo Electric sensor & switch



Multiple inlet manifold



Anti-Bactria Kit



Pneumatech 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 multi-stage separation process, using both buoyant oleophilic filters and activated carbon ensures exceptional performance, lower disposal costs and trouble free operation.

The OWS range eliminates oil through multi-stage filtration rather than the conventional gravity systems which have limitations on the type of condensate that can be treated. As a result, the OWS separator capacity is not linked to the type of emulsion collected since it can treat the same volume of condensate whether saturated with mineral oil, semi-synthetic oil or polyglycol.

Technical specifications for OWS 75 – OWS 5000										
Installation Type	Pneumatech Variant → Specifications ↓	Units	OWS 75	OWS 200	OWS 300	OWS 750 <sup>7</sup>	OWS 1280 <sup>7</sup>	OWS 1750 <sup>7</sup>	OWS 2500 <sup>7</sup>	OWS 5000 <sup>7</sup>
Complete installation <sup>1</sup> With Dryer <sup>2</sup>	Cold Climate <sup>3</sup>	m <sup>3</sup> /hr <sup>(6)</sup>	234	649	972	2396	4142	5583	7996	15993
		cfm <sup>6</sup>	138	382	572	1410	2438	3286	4706	9413
	Mild Climate <sup>4</sup>	m <sup>3</sup> /hr <sup>(6)</sup>	127	342	522	1279	2180	2972	4251	8500
		cfm <sup>6</sup>	75	201	307	753	1283	1749	2502	5003
	Hot Climate <sup>5</sup>	m <sup>3</sup> /hr <sup>(6)</sup>	61	161	251	612	1045	1441	2052	4123
		cfm <sup>6</sup>	36	95	148	360	615	848	1208	2427
Complete installation <sup>1</sup> Without Dryer <sup>2</sup>	Cold Climate <sup>3</sup>	m <sup>3</sup> /hr <sup>(6)</sup>	379	1009	1495	3728	6483	8682	12428	24840
		cfm <sup>6</sup>	223	594	880	2194	3816	5110	7315	14620
	Mild Climate <sup>4</sup>	m <sup>3</sup> /hr <sup>(6)</sup>	161	425	630	1566	2737	3673	5241	10483
		cfm <sup>6</sup>	95	250	371	922	1611	2162	3085	6170
	Hot Climate <sup>5</sup>	m <sup>3</sup> /hr <sup>(6)</sup>	71	178	272	685	1189	1585	2270	4538
		cfm <sup>6</sup>	42	105	160	408	700	933	1336	2671
	Connections	inlet (BSP/NPT)	1x1/2"	2x1/2"	2x1/2"	2x3/4"	2x3/4"	2x3/4"	2x3/4"	2x3/4"
		outlet (BSP/NPT)	1x1/2"	1x1/2"	1x1/2"	1x3/4"	1x3/4"	1x3/4"	1x3/4"	1x1"
Dimensions	Length	mm	470	680	680	750	750	945	945	945
		inch	18,5	27	27	30	30	37	37	37
	Width	mm	165	255	255	546	546	650	695	1185
		inch	6,5	10	10	21,5	21,5	26	27	47
	Height	mm	610	762	762	889	1041	1092	1092	1092
		inch	24	30	30	35	41	43	43	43
	Weight	kgs	4	13	15	25	26	28	30	60
		lbs	9	29	33	55	57	62	66	132

1. Complete installation includes filters & air receiver.

2. All capacities are based on outlet oil content of 15 ppm and 12h operation. Derating needs to be proportionally applied.

3. Cold climate refers to ambient temperature of 15°C/ 59°F and relative humidity of 60%.

4. Mild climate refers to ambient temperature of 25°C/ 77°F and relative humidity of 60%.

5. Hot climate refers to ambient temperature of 35°C/ 95°F and relative humidity of 70%.

6. For poly-glycol based condensates, the capacity of each unit should be halved. A special kit is available for silicon based oil.

7. OWS -750 and larger are 3 tower units.

**Note:** Capacity is based on the compressor running at 7 barg / 100 psig for 12 hours per day, with all condensate from the compressor, the air receiver, the filters and fridge dryer being piped into the unit.



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