



# 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.

**ECOBX 2 - 4 -**  
Oil water separators

## ECOBX 2 - 4 - Oil water separators

### Features & Benefits

- ▶ Excellent performance
  - 2-stage filtration with advanced adsorption media
  - After separation, water contains oil levels below 15 ppm<sup>(1)</sup>
  - Emulsion treatment possible (on request)
- ▶ Eliminating potential health issues
  - No standing or stagnant water
- ▶ Plug-and-play installation and service
  - Connection points at inlet
  - Compact footprint
  - No pre-soaking required
- ▶ Time-based service indicator and sampling kit (standard) to verify outlet concentration on a regular base.



### Options:



Extra 4 Port Kit



Pneumatech extends its cost-competitive ECOBOX condensate cleaning solution with 3 more models, up to 1529 m<sup>3</sup>/hr. The models are designed according to the same success factors: reliable double adsorption with recycled glass media, compact footprint, and easy installation and service.

Additionally the ECOBOX 2 - 4 has 4 connections points at the inlet; and a sample test point at the outlet. Special variants can handle emulsified condensate thanks to the use of an active biological digester.

Technical specifications for ECOBOX 2-4				
		ECOBX 2	ECOBX 3	ECOBX 4
Maximum rated flow - normal climate <sup>(2)</sup>	l/s	53	158	389
	m <sup>3</sup> /hr	190	570	1400
	cfm	112	335	824
Connections	Inlet	4x 12mm	4x 12mm	4x 12mm
		4x 1/2"	4x 1/2"	4x 1/2"
	Outlet	12mm	20mm	20mm
		1/2"	3/4"	3/4"
Weight	kg	2,7	3,6	14,8
	lbs	6,0	7,9	32,6
Dimensions	A (mm)	215	345	432
	A (inch)	8,46	13,58	17,01
	B (mm)	257	282	495
	B (inch)	10,12	11,10	19,49
	C (mm)	500	654	989
	C (inch)	19,69	25,75	38,94
Service life for filter <sup>(3)</sup>		4,000 Operating Hrs	4,000 Operating Hrs	4,000 Operating Hrs

- 15ppm is generally well below the acceptance level for disposal in the sewage, but due to strongly varying international and local regulations, it is the user's responsibility to consult local waste water discharge regulations and ensure compliance.
- In tropical climates (high ambient temperatures and humidity levels), the air generally contains more water vapor. The extra condensate, generated during the compression and cooling process of the air, shortens the contact time in the device, leaving less time for the media to absorb the oil. Climatic conditions used in the table above are defines as follows:
  - a. Cold climate conditions: average ambient temperature of 20°C/ 68°F- relative humidity of 50 %
  - b. Normal climate conditions: average ambient temperature of 25°C/ 75°F - relative humidity of 50%
  - c. Hot climate conditions: average ambient temperature of 35°/ 95°F - relative humidity of 70 %
- Pneumatech assumes as well maintained compressor plant and reasonable operating conditions. Performance on mineral or mineral-based lubricants should be as above, irrespective of compressor type, condensate drain technology or climate,provided the condensate produced is not a stable emulsion.



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