



Condensate Management

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

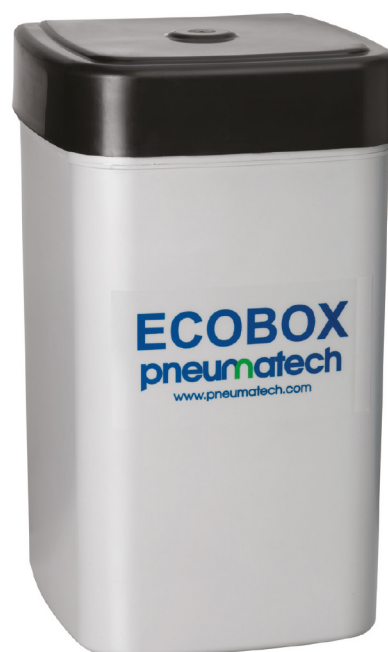
We offer three types of condensate drains depending on your needs: a timer drain, a mechanical zero loss float drain and an electronic zero loss drain. Also for condensate treatment we give you the choice, i.e. between the cost-competitive ECOBOX solution and our premium, patented OWS technology.

ECOBX 1 - Small oil water separator

ECOBX 1 - Small oil water separator

Features & Benefits

- ▶ Excellent performance
 - 2-stage filtration with advanced absorption media
 - After separation, water contains oil levels below 15 ppm⁽¹⁾
- ▶ Environmentally friendly - all materials are 100% recyclable
- ▶ Compact footprint - compact and lightweight design, optimized for small compressor installations
- ▶ Quick and easy installation and replacement – by means of a wall or plate mounting bracket
 - Optional sampling kit to verify outlet concentration on a regular base



Options:



Sampling Kit

The Pneumatech ECOBOX offers a compressor condensate cleaning solution with excellent performance for compressed air systems up to 100 m³/hr (60 cfm). It is designed to remove the oil traces from compressor condensate via 2-stage adsorption. The ECOBOX is able to clean the compressor condensate to

oil concentrations below 15 ppm¹ by using a new, advanced filter medium. General country legislations for oil in water contamination are 20 ppm¹. It is specifically designed to offer an affordable condensate cleaning solution for piston compressor and small screw compressor installations.

Technical specifications for ECOBOX			
Capacity	15 l/s - 51 m³/hr - 900 l/min	25 l/s - 85 m³/hr - 50 cfm	30 l/s - 100m³/hr - 60 cfm
Oil Residual	15 ppm	15 ppm	15 ppm
Expected Life Time - Cold Climate ⁽²⁾⁽³⁾	6000	4000	3000
Expected Life Time - Normal Climate ⁽²⁾⁽³⁾	6000	4000	-
Expected Life Time - Hot Climate ⁽²⁾⁽³⁾	4000	-	-
Suitable compressor	Piston Compressor 2-7,5 hp	Screw Compressor 3-10 hp	Screw Compressor 15 hp

Type	Rated Flow ⁽²⁾				Connections		Weight		Dimensions					
									mm			inch		
	l/s	m³/h	l/min	cfm	Inlet	Outlet	kg	lbs	A	B	C	A	B	C
ECOBX	<30	<54	<900	<60	6 mm	1/4" 10 mm 3/8"	1	2.2	240	140	140	9.5	5.5	5.5

- 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:
 - Cold climate conditions: average ambient temperature of 20°C/ 68°F- relative humidity of 50 %
 - Normal climate conditions: average ambient temperature of 25°C/ 75°F - relative humidity of 60%
 - 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.





Pneumatech reserves the right to change or revise specifications and product design in connection with any features of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

© 2017 Pneumatech. All rights reserved.

