



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.

LD 100 - 204 -
Zero loss drains

LD 100 - 204 - Zero loss drains

Features & Benefits

- ▶ No loss of compressed air
 - Automatic controlled drainage of condensate without any compressed air leak
- ▶ Maximum reliability
 - Integrated filter to prevent dirt from entering the valve diaphragm
 - Auto-repair algorithm: forced opening/closing cycles of the valve in case of malfunction
- ▶ Transparency of operation
 - Alarm message on control panel when drain is blocked
 - Potential-free contact to trigger alarm in control room
- ▶ Easy installation and maintenance
 - Straightforward mechanical and electrical connections
 - Wear kits available



General Specifications

- ▶ Zero-loss drain
- ▶ Operating pressure range:
0, 2-16 Bar(g) / 2,9-232 psi(g)
- ▶ Operating temperature range:
1-60°C/34-140°F
- ▶ Compressor capacity:
from 180 up to 9500 m³/h
- ▶ Power supply:
230V 50/60Hz
24V 50/60Hz
115V UL 50/60Hz

Options:



Mounting kits



Wear kits



Power supply cable (2m)



Voltage-free contact cable (5m)



The series of LD zero-loss drains permit a controlled drainage of condensate without any compressed air leaks. All LD drains are equipped with an integrated storage tank, inside which a level sensor has been mounted. The sensor is controlled by an intelligent electronic circuit based on an 8-bit microprocessor logic. All drain functions are displayed on the control panel*. A test push button is available on the control panel for manual drainage. A built-in filter prevents the solenoid valve from clogging.

In case of trouble, the control circuit unlocks the drain pipes by carrying out a series of forced opening/closing cycles of the solenoid valve. If this is not enough, the malfunction is reported outside by an alarm with potential-free contact to draw the attention of maintenance staff*.

The LD drains are produced in 10 different models with different flow rates. All versions are suitable for working with any type of condensate water.

*not applicable for the smallest model LD100

Technical specifications for LD 100 - 204										
Pneumatech Variant → Specifications ↓	LD100	LD101	LD 101 Compact	LD 101 L	LD200	LD200 L	LD202	LD202 L	LD203	LD204
General characteristics										
Drain capacity (l/h)	1.6	4.03	3.3	5	8.07	10	16.14	20	85	200
Compressor capacity (cfm)	106	265	222	265	530	530	1059	1059	5591	10594
Compressor capacity (m³/hr)	180	450	378	450	900	900	1800	1800	9500	18000
Max. power consumption (W)	10									
Electrical connection	Solenoid plug type B – 2+PE									
Potential free contact connection	/ M12 connector A-coding 4-pole									
IP Protection	IP65	IP65	IP65	IP65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Physical characteristics										
Length (mm)	136	163	160	163	163	163	163	163	188	247
Length (inch)	5.4	6.4	6.3	6.4	6.4	6.4	6.4	6.4	7.4	9.7
Width (mm)	60	69	69	69	69	69	69	69	130	130
Width (inch)	2.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.1	5.1
Height (mm)	120	140	120	140	155	155	214	214	230	230
Height (inch)	4.7	5.5	4.7	5.5	6.1	6.1	8.4	8.4	9.1	9.1
Weight (kg)	0.42	0.6	0.5	0.6	0.7	0.7	1.2	1.2	2.8	3.45
Weight (Lbs)	0.9	1.3	1.1	1.3	1.5	1.5	2.6	2.6	6.2	7.6
Connections										
Inlet	G1/2"	G1/2"	G1/2" (F)	G1/2" (F)	G1/2" (F)	2 x G1/2" (F)	G1/2" (F)	2 x G1/2" (F)	2 x G1/2" (F)	2 x G1/2" (F) + 1 x G3/4" (F)
Outlet	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12	1 x Ø12
Features										
Test button	Yes									
Indicative LEDs	No	Yes								
Potential free alarm	No	Yes (NC/NO)								



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