

Electronic zero loss drains

CDE 5-350



The Pneumatech CDE 5-350 is the top quality drain that removes moisture from your compressed air system with maximum reliability and efficiency. An electronic zero loss drain, it only releases condensate when needed without losing compressed air and wasting energy. With advanced reliability features built in, the CDE gives you premium performance, peace of mind and operational savings.

Why do you need drains?

Atmospheric air always contains some moisture, also referred to as humidity. When air is compressed, the concentration of these water vapors increases. This moisture can cause all sort of production problems, from corrosion in your piping system to faulty tools and compromised products. Drains are the components that physically remove this moisture from your system.

Features and benefits:

- No loss of compressed air
 - Automatic controlled drainage of condensate without compressed air loss.
- Maximum reliability
 - Built-in, easy to clean filter cup.
 - Control circuit: forced opening/closing cycles of the valve in case of clogged drain pipes.
 - Potential-free contact to trigger alarm in case of malfunction.
 - Test button for manual drainage.
- Easy installation and maintenance
 - Control panel displays all drain functions.
 - Straightforward mechanical and electrical connections.
 - Heater kits available to protect again freezing in cold environments.
 - Can be used for oil-lubricated and oil-free installations.

General Specifications

- Zero loss drain
- Operating pressure range: 0.2-16 barg/2.9-232 psig
- Operating temperature range: 1-60°C/34-140°F
- Compressor capacity: from 50 up to 18000 m³/hr*
- Power supply: 230VAC 50/60Hz, 24VAC 50/60Hz, 24VDC 50/60Hz, 115VAC 50/60Hz

*based on RH 60%, T_{amb} 20°C/68°F reference conditions

Zero loss drain design

- A sensor constantly monitors the storage tank. Condensate is only discharged when the maximum level has been reached.
- A small quantity of condensate remains to ensure no air is lost during removal.
- Control circuit automatically unclogs the drain pipes.
- Control panel displays all drain functions:
 - Power status
 - Alarm indicator
 - Test button for manual drainage



Technical specifications for CDE 5-350

Pneumatech Variant→ Specifications ↓	Unit	CDE 5	CDE 10	CDE 15L	CDE 20L	CDE 35L	CDE 150	CDE 350
General characteristics								
Nominal Drain capacity	(l/h)	2	3	5	10	20	90	200
Compressor capacity	(m ³ /hr) ⁽¹⁾	180	378	450	900	1800	9600	18000
Compressor capacity	(cfm) ⁽¹⁾	106	222	265	530	1059	5650	10594
Max. power consumption	(W)				10			
Electrical connection		Industrial form connector type B/ISO 6952 11mm EN175301-803						
Potential free contact connection		M12 connector A-coding 4-pole						
IP Protection		IP65						
Physical characteristics								
Length	mm	136	160	163	163	163	188	247
Length	inch	5.4	6.3	6.4	6.4	6.4	7.4	9.7
Width	mm	60	69	69	69	69	130	130
Width	inch	2.4	2.7	2.7	2.7	2.7	5.1	5.1
Height	mm	120	120	140	155	214	230	230
Height	inch	4.7	4.7	5.5	6.1	8.4	9.1	9.1
Weight	kg	0.4	0.5	0.6	0.7	1.2	1.8	3.45
Weight	lbs	0.9	1.1	1.3	1.5	2.6	4.0	7.6
Connections								
Inlet	(G/NPT)	1/2	1/2	2 x 1/2	2 x 1/2	2 x 1/2	2 x 1/2	2 x 1/2
Outlet	mm	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		Yes						
Potential free alarm		Yes (NC/NO)						

1. The calculation of compressor capacity is based on the maximum condensate drainage of a compressor aftercooler in moderate climate conditions.

Options

- Heater kits
- Voltage-free contact cable for remote control