

ECD 15/40/90/150 Electronic zero-loss condensate drains with automatic self-cleaning and diagnostics



SEPURA's new generation of electronic condensate drains, the ECD series, is used for the automatic discharge of accumulated condensate from compressed air systems. The basic principle is contactless measurement of the accumulated condensate, which is then discharged without the loss of valuable compressed air.

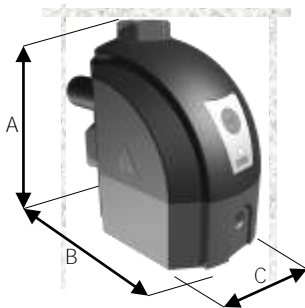
Condensate level is detected by sensitive yet reliable electronics. Condensate discharge is then performed without compressed air loss.

All condensate drains can be affected by debris. ECD has an easily-cleaned internal strainer protecting the valve—which also allows the alarm system to call for a service. Electronic monitoring of the plunger position detects the presence of minor debris particles after the strainer, and initiates a brief self-cleaning oscillation of the plunger to remove them.

ECD series drains have an aluminium main housing with rugged moulded cover, protecting the internal components from adverse external conditions.

Benefits

- aluminium housing
- integrated easy-clean strainer
- compact size
- two inlet connections
- Quick connect outlet fitting
- non-contact level-sensing
- few moving parts
- reliable operation resists clogging and hostile conditions
- function test button
- self-monitoring circuits
- self-cleaning cycle
- system diagnostics option (data download from ECD)
- **warning LED light for "drain operating" and "alarm"**
- Voltage options
- IP 54 electrical protection



Technical data

- min/max operating temperature: 1-60 °C / 33-140 °F
- min/max operating pressure: 0-16 bar / 0-232 psi
- inlet connection: **R 1/2"**
- outlet connection: **R 1/8"**
- outlet pipe diameter: 6 / 8 mm
- housing material: aluminium, ABS
- system capacity at 7 bar (101 psi) when fitted on after-cooler or receiver
 - multiply *2 for dryer installation
 - multiply *5 for water separator
 - multiply *10 for line filter
- ECD 15: 175 cfm (5m³/min)
- ECD 40: 350 cfm (10m³/min)
- ECD 90: 1050 cfm (30m³/min)
- ECD 150: 4000 cfm (112 m³/min)

Version	Voltage	Frequency	Power	Protection	Cable
24 VAC	24 V +/- 10%	50-60 Hz	18 VA	IP54	3 x 0,75 mm ²
115 VAC	115 V +/- 10%	50-60 Hz	18 VA	IP54	
230 VAC	230 V +/- 10%	50-60 Hz	18 VA	IP54	

Version	Dimensions (mm)			Dimensions (ins)		
	A	B	C	A	B	C
ECD 15/40	120	120	82	4.75	4.75	3.2
ECD 90	130	120	82	5.1	4.75	3.2
ECD 150	150	120	82	5.9	4.75	3.2