

# ECD series

## Electronic condensate drains



The new generation of electronic condensate drains - 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 flow constantly flushes debris out of the valve. That's why uninterrupted operating is guaranteed.

Incorrect plunger position is first sign of debris blocking the valve. By detecting incorrect position, blocked plunger release procedure is started.

This procedure assures safety and reliable plunger operating. No staff intervention is needed. This procedure starts automatically.

ECD Series is made of aluminium housing with plastic cover, which protects electronics inside the device from outside harmful conditions.

### Benefits

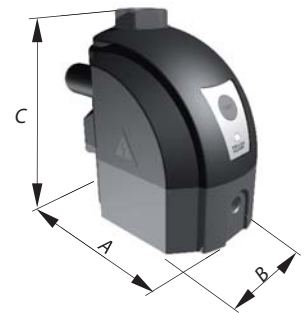
- aluminium housing
- integrated filter mesh
- compact design
- two-way connections
- eloxated housing
- contactless measuring
- NEW: direct acting, self cleaning valve (patented)
- NEW: blocked plunger release procedure
- NEW: operating diagnostic monitoring
- warning LED light for "drain operating" and "alarm"
- AC versions (for DC version please contact Omega Air)
- IP 54 electrical protection



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Type		ECD 15	ECD 40	ECD 90	ECD 150
Voltage	115 VAC	115 V ± 10%	115 V ± 10%	115 V ± 10%	115 V ± 10%
	230 VAC	230 V ± 10%	230 V ± 10%	230 V ± 10%	230 V ± 10%
Power	115 VAC	24 VA	24 VA	24 VA	24 VA
	230 VAC	24 VA	24 VA	24 VA	24 VA
Frequency		50-60 Hz			
Operating pressure		0-16 bar (0 - 232 psi)			
Drain capacity (at 7 bar/101 psi)		15 l/h (0,0088 cfm)	40 l/h (0,023 cfm)	90 l/h (0,053 cfm)	150 l/h (0,088 cfm)
Operating temperature range		1,5 - 65°C (35-149°F)			
Inlet connection		R 1/2"	R 1/2"	R 1/2"	R 1/2"
Outlet connection		R 1/8"	R 1/8"	R 1/8"	R 1/8"
Power interface		3 × 0,75 mm <sup>2</sup>	3 × 0,75 mm <sup>2</sup>	3 × 0,75 mm <sup>2</sup>	3 × 0,75 mm <sup>2</sup>
Protection class		IP54	IP54	IP54	IP54
Mass [kg]		0,9	0,9	1,05	1,15
Dimensions A × B × C [mm]		120 × 82 × 125	120 × 82 × 125	120 × 82 × 135	120 × 82 × 150
Peak compressor performance [m <sup>3</sup> /min]		11,6	29,4	60,6	111,6
		9,3	23,5	48,5	89,3
		5,8	14,7	30,3	55,8
Peak dryer performance [m <sup>3</sup> /min]		23,2	58,8	121,2	223,2
		18,6	47,0	97,0	178,6
		11,6	29,4	60,6	111,6
Peak filter performance [m <sup>3</sup> /min]		116	294	606	1116
		93	235	485	893
		58	147	303	558
Compressor motor power [kW]		up to 30	37-75	90-160	200-315*



\* Higher motor power capacities available on request. Please contact Omega Air.

Please take the relevant climate zone into account when dimensioning your specific ECD drain series application:

Northern Europe, Canada, Northern USA, Central Asia
Central and Southern Europe, Central America
South East Asian coastal regions, Oceania, Amazon and Congo regions



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