

# ELECTRONIC CONDENSATE DRAIN - EMD

## DESCRIPTION

EMD drain is fully automatic electronic level sensing condensate discharging unit used for operation in compressed air<sup>(1)</sup> systems. Condensate from compressed air system accumulates in the drains reservoir. Level of condensate is detected with the capacitive sensor when there is enough condensate in the reservoir electronic opens the solenoid valve and discharges condensate out of the system without air losses. Special self-cleaning direct acting valve assures reliable operation.



## APPLICATIONS <sup>(2)</sup>

- Air Compressor (piston or screw)
- After-cooler
- Cyclone condensate separator
- Pressure vessel/Air tank
- Air dryer
- Air filter

<sup>(1)</sup> For any other technical gas please contact us or your local dealer

<sup>(2)</sup> EMD can be used in variety of applications. For applications not listed please contact us or your local dealer.

## TECHNICAL SPECIFICATION

	EMD 12	EMD 25	EMD 75	EMD 150
Voltage *	230V ac, 50 – 60 Hz 115V ac, 50 – 60 Hz			
Fuse	5x20 1A T			
Power **	10 VA	22 VA		
Operating pressure range ***	1 – 16 bar (14 – 232 psi)			
Drain capacity @7 bar (101 psi)	12 l/h (0.007 cfm)	25 l/h (0.014 cfm)	75 l/h (0.044 cfm)	150 l/h (0.088 cfm)
Operating temperature range	1,5°C – 65°C			
Protection class	IP54			
Inlet connection	G 1/2" (parallel thread)			
Outlet connection	Push connection for tube ø8			
Mass	0.55 kg	0.73 kg	1.2 kg	1.3 kg

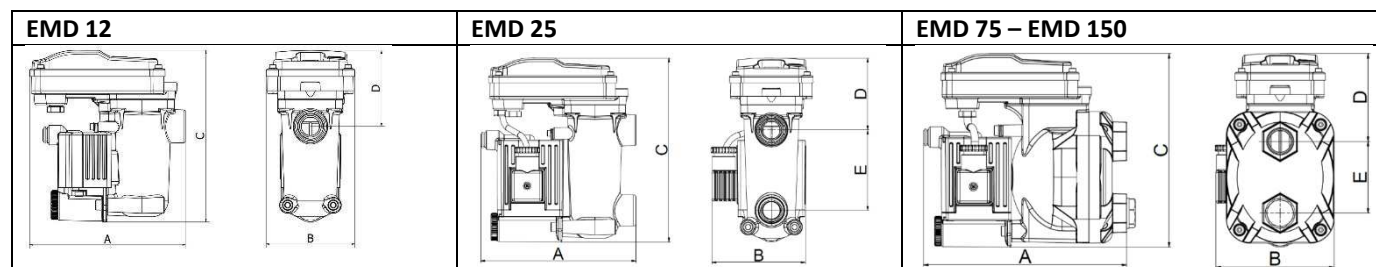
\* EMD 12 also available in 24 ac & 24 dc version

\*\* EMD 12 24 dc power = 8.5W

\*\*\* EMD 12 24 dc operating pressure range up to 8 bar(g) (116 psi)

## DIEMNSIONS

	A	B	C	D	E
EMD 12	133 mm	76 mm	147 mm	65 mm	/
EMD 25	140 mm	85 mm	166 mm	65 mm	72,5 mm
EMD 75	170 mm	99 mm	162 mm	73,5 mm	60 mm
EMD 150	199 mm	99 mm	162 mm	69,5 mm	68 mm



## VERSIONS

Type	Version
EMD	Standard
EMD A	Alarm output
EMD C	Service network connection

## PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 2)

Product type	Category, module
EMD 12	Not required
EMD 25	Not required
EMD 75	Not required
EMD 150	Not required

## MATERIALS

	EMD 12 – EMD 25	EMD 75 – EMD 150
Housing	PA 6	Aluminium
Valve, strainer	Stainless steel 1.4057	Stainless steel 1.4057
Strainer plug	Brass	Brass
Level sensor	PP (polypropylene)	PP (polypropylene)
Sealing	NBR	NBR

## MAINTENANCE

Once per year make a visual check of the drain and make sure there is no visual damage or leakage. Clean strainer regularly. Interval of cleaning depends on contamination of the system. All wearing parts are available as service kit.

**Condensate discharged from compressed air system contains significant amounts of lubricant oil. We strongly recommend connecting EMD to oil water separator. In most countries content of oil in waste water is regulated by law.**