



EMD SERIES

ELECTRONIC CONDENSATE DRAIN

16 bar
operating pressure

up to 75 l/h
drain capacity

1/2"
connections

1,5 to 65°C
operating temperature range

DESCRIPTION

EMD series is designed for fully automatic discharging of condensate or any other non-aggressive fluid from compressed air system. The units can be installed as external drain on any application specified. Condensate accumulates in the collecting reservoir. When the level is high enough condensate is being discharged from the system without any air losses. Fluid level is detected by precise capacitive level sensor.

Special self-cleaning direct acting valve assures reliable operation. EMD series is also equipped with operation alarm, led indicator, test button and internal strainer. Version with Service Network for diagnostics parameter setting and alarm output is also available.

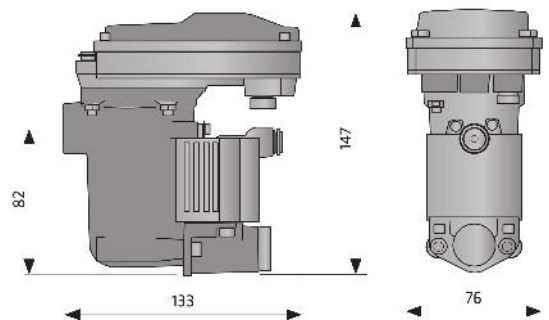


APPLICATIONS

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



TECHNICAL DATA	EMD12	EMD12A	EMD12C	EMD12	EMD12A	EMD12C	EMD12	EMD12A	EMD12A	EMD25	EMD 75		
	230 V			115 V			24 Vac		24Vdc	230 V	115 V	230 V	115 V
Service network connection	-	-	✓	-	-	✓	-	-	-	-	-	-	-
Alarm output	-	✓	✓	-	✓	✓	-	✓	✓	-	-	-	-
Voltage	230 VAC, 50-60 Hz			115 VAC, 50-60 Hz			24 Vac, 50-60 Hz		24Vdc	230 V	115 V	230 V	115 V
Internal fuse	5 x 20 1A T			5 x 20 1A T			2A		2A	5 x 20 1A T		5 x 20 1A T	
Power	10 VA			10 VA			10 VA		8,5 W	24 VA		24 VA	
Operating pressure range	0-16 bar (0-232 psi)			0-16 bar (0-232 psi)			0-16 bar (0-232 psi)		0-8 bar	0-16 bar (0-232 psi)		0-16 bar (0-232 psi)	
Drain capacity (at 7 bar/101 psi)	12 l/h (0,007cfm)			12 l/h (0,007cfm)			12 l/h (0,007cfm)		12 l/h	25 l/h		75 l/h	
Operating temperature range	1,5-65°C (35-149°F)												
Inlet connection	G 1/2"			G 1/2"			G 1/2"		G 1/2"	G 1/2"		G 1/2"	
Outlet connection	Push connection for tube ϕ8												
Protection class	IP54												
Mass [kg]				0,55						0,9		1,2	
Dimensions A × B × C [mm]				133 x 76 x 147									
Peak compressor capacity [m³/min]	a				8,8					16,6		55,0	
	b				7,4					15,4		46,2	
	c				4,6					9,6		28,7	
Peak dryer capacity [m³/min]	a				18,56					38,6		116,0	
	b				14,9					31,0		93,1	
	c				9,28					19,3		58,0	
Peak filter capacity [m³/min]	a				92,8					193,3		580,0	
	b				74,4					154,9		465,0	
	c				46,4					96,6		290,0	



The amount of condensed water in compressed air system depends mainly on outside air temperature. Please take the relevant climate zone into account when dimensioning yours specific EMD drain series application:

- a Northern Europe, Canada, Central Asia
- b Rest of the World
- c Moist tropical and subtropical regions