



16 (8) bar

operating pressure

up to 300 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

EMD SERIES

ELECTRONIC CONDENSATE DRAIN



EMD 12



EMD 25



EMD 75



EMD 150



EMD 300

		Drain capacity (at 7 bar/ 101 psi)	Voltage	Service network connect.	Alarm output	Internal fuse	Power	Operating pressure range	Operating temp. range	Inlet connection	Outlet connection	Protection class	Dimensions [L x W x H]	Mass
EMD 12	EMD 12 230V	12 l/h (0,007 cfm)	230 VAC 50-60 Hz	-	-	5 x 20 1A T	10 VA	16 bar (232 psi)	1,5-65°C (25-149°F)	G 1/2"	Push conn. for tube ø8	IP54	133 x 76 x 147 mm	0,55 kg
	EMD 12 A 230V			-	✓									
	EMD 12 C 230V			✓	✓									
	EMD 12 115V		115 VAC 50-60 Hz	-	-	5 x 20 1A T	10 VA	16 bar (232 psi)						
	EMD 12 A 115V			-	✓									
	EMD 12 C 115V			✓	✓									
	EMD 12 24Vac		24 Vac 50-60 Hz	-	-	2A	10 VA	16 bar (232 psi)						
	EMD 12 A 24Vac			-	✓									
EMD 12 C 24Vdc	-	✓		2A	8,5 W				8 bar					
EMD 25	EMD 25 230V	25 l/h (0,015 cfm)	230 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)	1,5-65°C (25-149°F)	G 1/2"	Push conn. for tube ø8	IP54	131 x 83 x 166 mm	0,5 kg
	EMD 25 A 230V			-	✓									
	EMD 25 C 230V			✓	✓									
	EMD 25 115V		115 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)						
	EMD 25 A 115V			-	✓									
	EMD 25 C 115V			✓	✓									
	EMD 25 24Vac		24 Vac 50-60 Hz	-	-	2A	18 VA	16 bar (232 psi)						
	EMD 25 A 24Vac			-	✓									
EMD 25 C 24Vdc	-	✓		2A	14 W				8 bar					
EMD 75	EMD 75 230V	75 l/h (0,044 cfm)	230 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)	1,5-65°C (25-149°F)	G 1/2"	Push conn. for tube ø8	IP54	161 x 97 x 162 mm	1,1 kg
	EMD 75 A 230V			-	✓									
	EMD 75 C 230V			✓	✓									
	EMD 75 115V		115 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)						
	EMD 75 A 115V			-	✓									
	EMD 75 C 115V			✓	✓									
	EMD 75 24Vac		24 Vac 50-60 Hz	-	-	2A	18 VA	16 bar (232 psi)						
	EMD 75 A 24Vac			-	✓									
EMD 75 C 24Vdc	-	✓		2A	14 W				8 bar					
EMD 150	EMD 150 230V	150 l/h (0,088 cfm)	230 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)	1,5-65°C (25-149°F)	G 1/2"	Push conn. for tube ø8	IP54	190 x 97 x 162 mm	1,2 kg
	EMD 150 A 230V			-	✓									
	EMD 150 C 230V			✓	✓									
	EMD 150 115V		115 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)						
	EMD 150 A 115V			-	✓									
	EMD 150 C 115V			✓	✓									
	EMD 150 24Vac		24 Vac 50-60 Hz	-	-	2A	18 VA	16 bar (232 psi)						
	EMD 150 A 24Vac			-	✓									
EMD 150 C 24Vdc	-	✓		2A	14 W				8 bar					
EMD 300	EMD 300 230V	300 l/h (0,176 cfm)	230 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)	1,5-65°C (25-149°F)	G 1/2"	Push conn. for tube ø8	IP54	190 x 97 x 162 mm	1,6 kg
	EMD 300 A 230V			-	✓									
	EMD 300 C 230V			✓	✓									
	EMD 300 115V		115 VAC 50-60 Hz	-	-	5 x 20 1A T	18 VA	16 bar (232 psi)						
	EMD 300 A 115V			-	✓									
	EMD 300 C 115V			✓	✓									
	EMD 300 24Vac		24 Vac 50-60 Hz	-	-	2A	18 VA	16 bar (232 psi)						
	EMD 300 A 24Vac			-	✓									
EMD 300 C 24Vdc	-	✓		2A	14 W				8 bar					
			Northern Europe, Canada, Central Asia				Rest of the World				Moist tropical and subtropical regions			
Peak compressor capacity [m³/min]			EMD 12	8,8				7,4				4,6		
			EMD 25	18,3				15,4				9,6		
			EMD 75	55				46,2				28,7		
			EMD 150	110				92				57		
			EMD 300	220				185				115		
Peak dryer capacity [m³/min]			EMD 12	18,56				14,9				9,28		
			EMD 25	38,6				31				19,3		
			EMD 75	116				93,1				58		
			EMD 150	232				186				116		
			EMD 300	464				372				232		
Peak filter capacity [m³/min]			EMD 12	92,8				74,4				46,4		
			EMD 25	193,3				155				96,7		
			EMD 75	580				465				290		
			EMD 150	1160				930				580		
			EMD 300	2320				1860				1160		

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:

omega air

Air and Gas Treatment



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