

EMD HP SERIES HIGH PRESSURE ELECTRONIC COND. DRAIN

operating pressure	50 bar
drain capacity	30,4 l/h
connections	1/2"
operating temp. range	1,5 to 65 °C

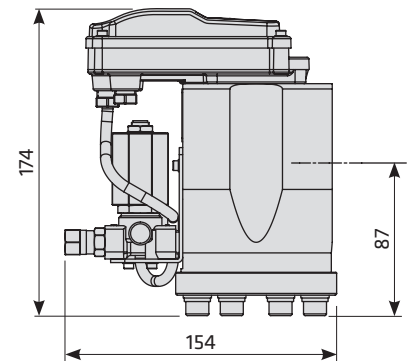
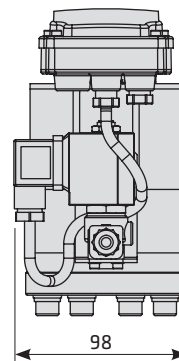
APPLICATIONS

- air compressor (piston or screw)
- after-cooler
- cyclone condensate separator
- pressure vessel/air tank
- air dryer
- air filter

DESCRIPTION

EMD HP series drain have been developed for fully automatic discharging of condensate or any other non-aggressive fluid from compressed air⁽¹⁾ system. The units can be installed as external drain on any application specified below. Condensate accumulates in the collecting reservoir and 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.

EMD HP series is also equipped with operation alarm (version A), led indicator, test button and internal strainer. Version with Service Network (version C) for diagnostics and parameter setting is also available. Working hours, valve operations and other operating parameters are stored in internal memory and can be read with Service Network reader.



TECHNICAL DATA	EMD HP	EMD HP A	EMD HP C	EMD HP	EMD HP A	EMD HP C	EMDHP	EMD HP A	EMD HPA
Service network connection	-	-	✓	-	-	✓	-	-	-
Alarm output	-	✓	✓	-	✓	✓	-	✓	✓
Voltage	230 V			115 V			24 Vac		24Vdc
Internal fuse	5 x 20 1A T			5 x 20 1A T			2A		2A
Power	25 VA			25 VA			25 VA		22 W
Operating pressure range	0-50 bar (0-725 psi)			0-50 bar (0-725 psi)			0-50 bar (0-725 psi)		0-50 bar
Drain capacity (at 7 bar/101 psi)	30,4 l/h at 50 bar (0,018 cfm at 725 psi)								
Operating temperature range	1,5-65°C (35-149°F)								
Inlet connection	G 1/2" parallel thread								
Outlet connection	G 1/4" parallel thread								
Protection class	IP54								
Mass [kg]	2,3								

PEAK COMPRESSOR CAPACITY

The data apply for drain, located in the most unfavorable location i.e. compressor cyclone od pressure vessel.

System pressure	Northern Europe, Canada, Central Asia	Rest of the World	Moist tropical and subtropical regions
50 bar	29,5 m³/min	22,2 m³/min	12,9 m³/min
40 bar	26,4 m³/min	19,9 m³/min	11,5 m³/min
30 bar	22,9 m³/min	17,2 m³/min	10,0 m³/min
20 bar	18,7 m³/min	14,0 m³/min	8,1 m³/min