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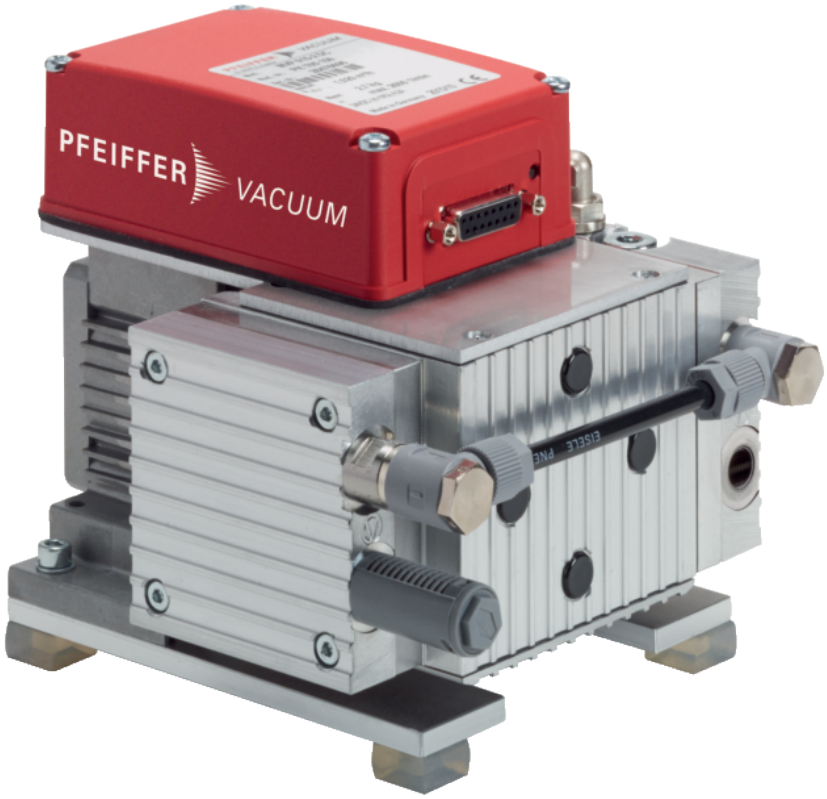
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MVP 015-2 DC, diaphragm pump, 24 V DC

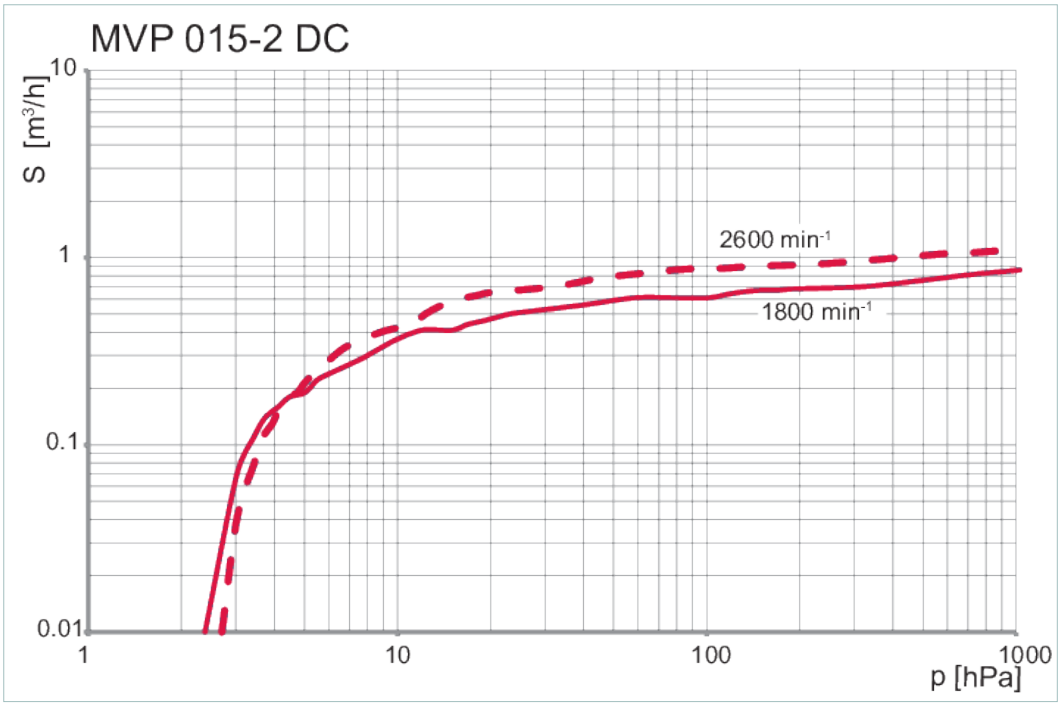
PFEIFFER VACUUM



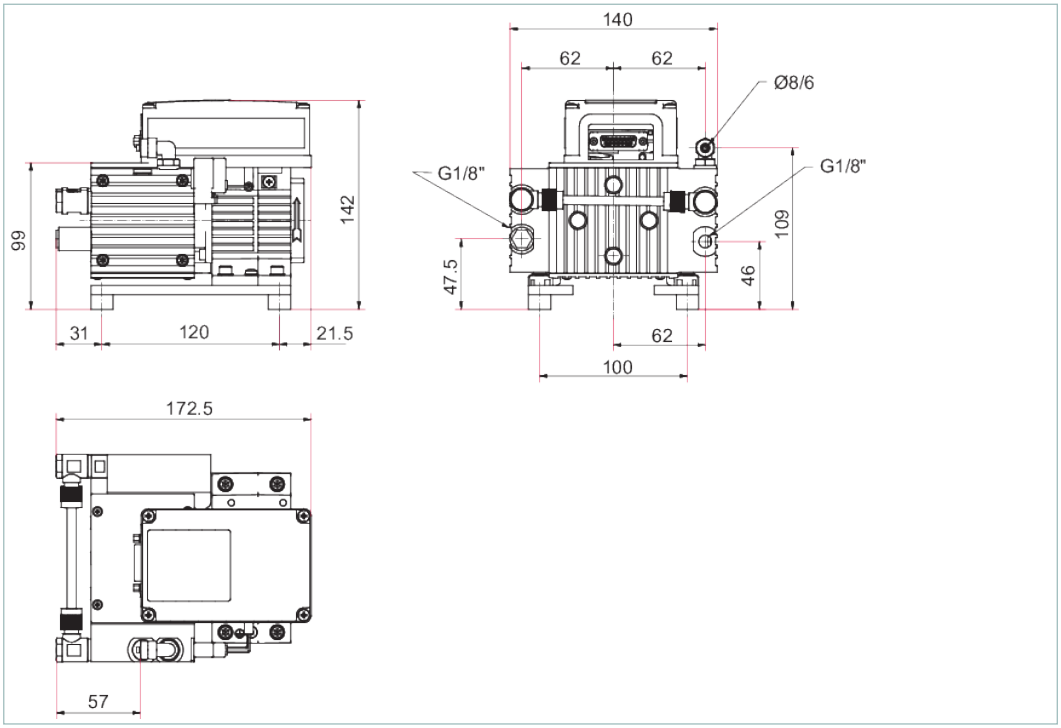
Similar Image

MVP 015-2 DC, diaphragm pump, 24 V DC

- Diaphragm pump with a pumping speed of up to 1.0 m^3/h
- No hydrocarbons: Completely dry & oil-free diaphragm pump
- Low noise level, low vibrations and compact design, also ideal for use in laboratories
- Low operating costs thanks to the highest quality, short maintenance times and long maintenance intervals
- Industry 4.0 compatible: Operation with other intelligent products, such as turbopumps via RS-485



Dimensions



Technical Data	MVP 015-2 DC, diaphragm pump, 24 V DC
Pumping speed	1 m³/h | 0.59 cfm | 16.67 l/min
Final pressure without gas ballast	3.5 hPa | 2.62 Torr | 3.5 mbar
Final pressure with gas ballast	6 hPa | 4.5 Torr | 6 mbar
Leakage rate	≤ 5 · 10^{-4} Pa m³/s | ≤ 3.75 · 10^{-3} Torr l/s | ≤ 5 · 10^{-3} mbar l/s
Intake pressure max.	1,100 hPa | 825 Torr | 1,100 mbar
Exhaust pressure, max.	1,100 hPa | 825 Torr | 1,100 mbar
Connection flange (in)	G 1/8"
Connection flange (out)	1/8" thread with silencer
I/O interfaces	RS-485
Supply: Voltage V DC	24 V DC
Current, max.	4.6 A
Rotation speed	540-2,600 rpm | 540-2,600 min^{-1}
Nominal rotation speed	1,800 rpm | 1,800 min^{-1}
Certification	cTUVus certified according to UL / CSA 61010-1
Protection degree	IP20
Switch	No
Sound pressure level	50 dB(A)
Ambient temperature	5-40 °C | 41-104 °F | 278-313 K
Temperature: Storage	5-40 °C | 41-104 °F | 278-313 K
Temperature: Shipping	-10-60 °C | 14-140 °F | 263-333 K
Cooling method	Convection cooled
Weight	2.7 kg | 5.95 lb
Gas ballast	Yes
Operating altitude, max.	2000 m

Order number	
MVP 015-2 DC	**PK T05 150**

Accessories	
Adapters (electrical)|RS-232/485	
USB RS-485 converter	**PM 061 207 -T**
Y-connector M12 for RS-485	**P 4723 010**
Cables|Backing pump control cables	
Connection cable MVP-TC-TPS, 3 m	**PE 100 013 -T**
Cables|Connection cables	
Connection cable for HiPace with TC 110/120	**PM 061 543 -T**
Connecting cable from 24V/48V power supply pack to electronic drive unit. With RS-485 interface	**PM 061 350 -T**
Cables|RS-485 Interface cables	
Interface cable, M12 m straight / M12 m straight, 3 m	**PM 061 283 -T**
Connections|Adapters Turbopump to Backing Pump	
Push-in T-fitting 1/8" thread including seal for hose connection (8/6 mm)	**P 4131 030 E**
Hose DN 6; (ø 8/6 mm) polyethylene	**P 0991 939**
Hose connection DN 6 x 400 mm with straight connector 1/8" thread and 1/4" thread including seal	**P 0920 739 E**
Push-in fitting 1/8" thread including seal for hose connection (8/6 mm)	**P 4131 026 C**
Hose connection DN 6 x 1000 mm with straight connector 1/8" thread and 1/4" thread including seal	**P 0920 817 E**
Connections|Screw-in flanges	
Screwing flange DN 16 ISO-KF / 1/8" thread incl. seal	**PK 050 108 -T**
Control Devices|Power supplies and control displays	
TPS 110, power supply pack for wall/standard rail installation	**PM 061 340 -T**
TPS 111, power supply pack 19" plug-in unit 3HU	**PM 061 344 -T**
OmniControl 001, rack unit without integrated power supply pack	**PE D40 000 0**
OmniControl 200, rack unit with integrated power supply pack	**PE D50 000 0**
Flanges/Ports|Blank flanges	
Push-in fitting G 1/8" including seal for hose connection (8/6 mm)	**P 4131 029 G**
Monitoring|Pressure Sensors	
OmniControl 200 with TPR 270	**PT 440 950 -T**

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