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Pfeiffer MVP 040-2

Technical Specifications

	MVP 040-2 , Diaphragm pump, 100–230 V, 50/60 Hz
Ambient temperature	10-40 °C | 50-104 °F | 283-313 K
Cooling method, standard	Air
Emission sound pressure level without gas ballast or purge	≤ 53 dB(A)
Exhaust pressure, max.	1,100 hPa | 825 Torr | 1,100 mbar
Flange (in)	G ¼" elbow union with enclosed hose 10/8, 100 0 mm with an elbow union in G ¼" at the end
Flange (out)	G 1/8" + silencer
Intake pressure max.	1,100 hPa | 825 Torr | 1,100 mbar
Leak rate	$2 \cdot 10^{-3}$ Pa m³/s
Mains requirement: voltage (range)	±10 %
Mains requirement: voltage 50 Hz	100 – 115/200 – 230 V
Mains requirement: voltage 60 Hz	100 – 115/120/200 – 230 V
Motor version	1-ph motor
Number of pumping stages	2
Operating altitude, max.	2000 m
Protection category	IP40
Pumping speed at 50 Hz	2.3 m³/h
Pumping speed at 60 Hz	2.5 m³/h
Rated current absorption	3.4 A
Rotation speed at 50 Hz	1,500 rpm | 1,500 min^{-1}
Rotation speed at 60 Hz	1,800 rpm | 1,800 min^{-1}
Switch New	Yes
Temperature: Storage	-10-60 °C | 14-140 °F | 263-333 K
Ultimate pressure with gas ballast	5 hPa | 3.75 Torr | 5 mbar
Ultimate pressure without gas ballast	4 hPa | 3 Torr | 4 mbar
Weight	11.4 kg | 25.13 lb

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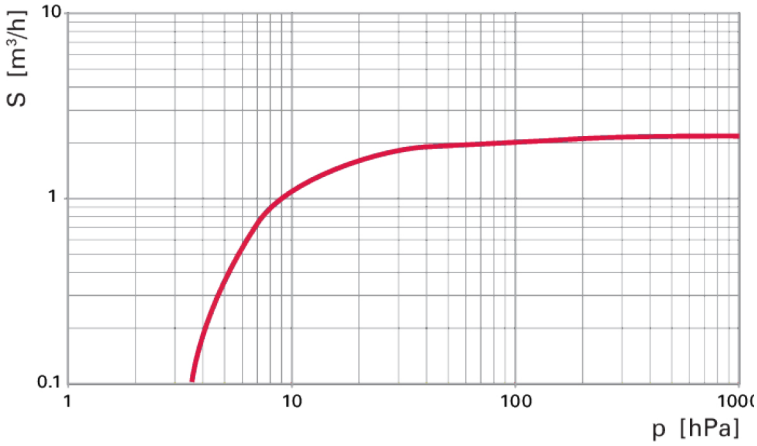
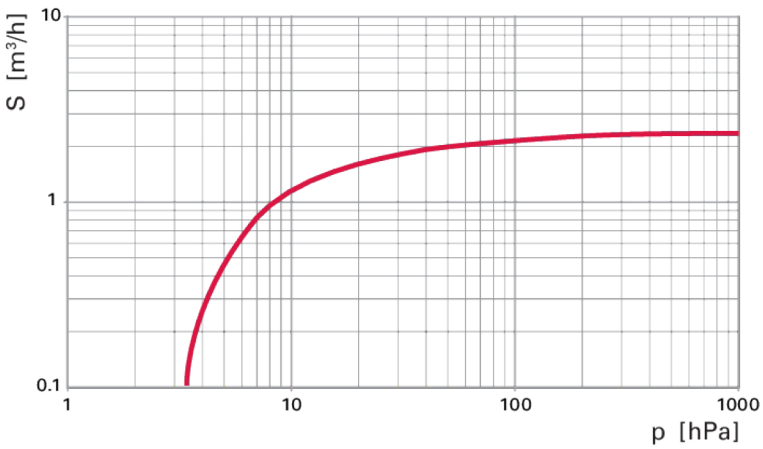
Pumping Curves

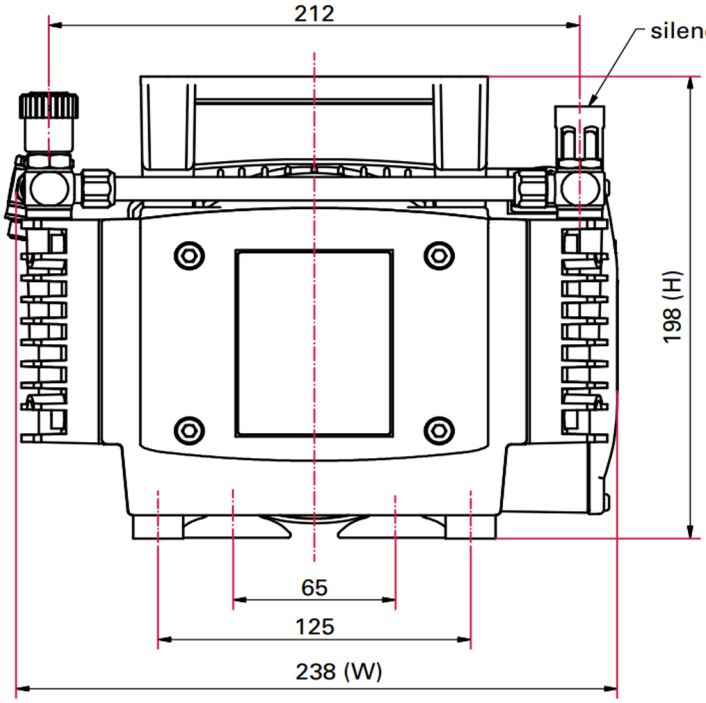
50Hz

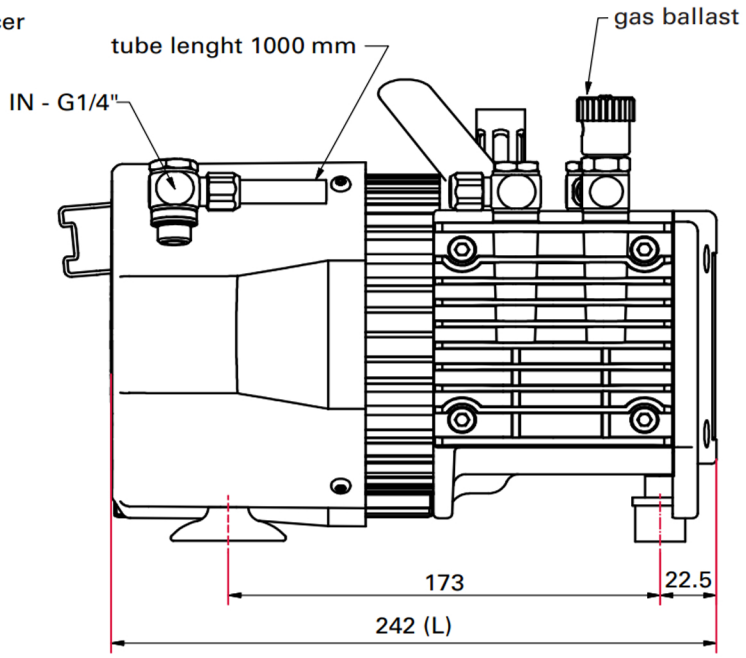


60Hz



Dimensions





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Pfeiffer MVP 040-2

Features & Benefits

- ideal backing pump for turbos
- absolutely dry & oil-free vacuum
- long lifespan
- compact design
- low vibration & sound
- high operating safety
- maintenance friendly through easy diaphragm & valve exchange

Applications

- backing pump for turbos • systems & pumping stations • laboratories
- research & development • analytics • chemical industry • leak detection • clean & dry vacuum applications