



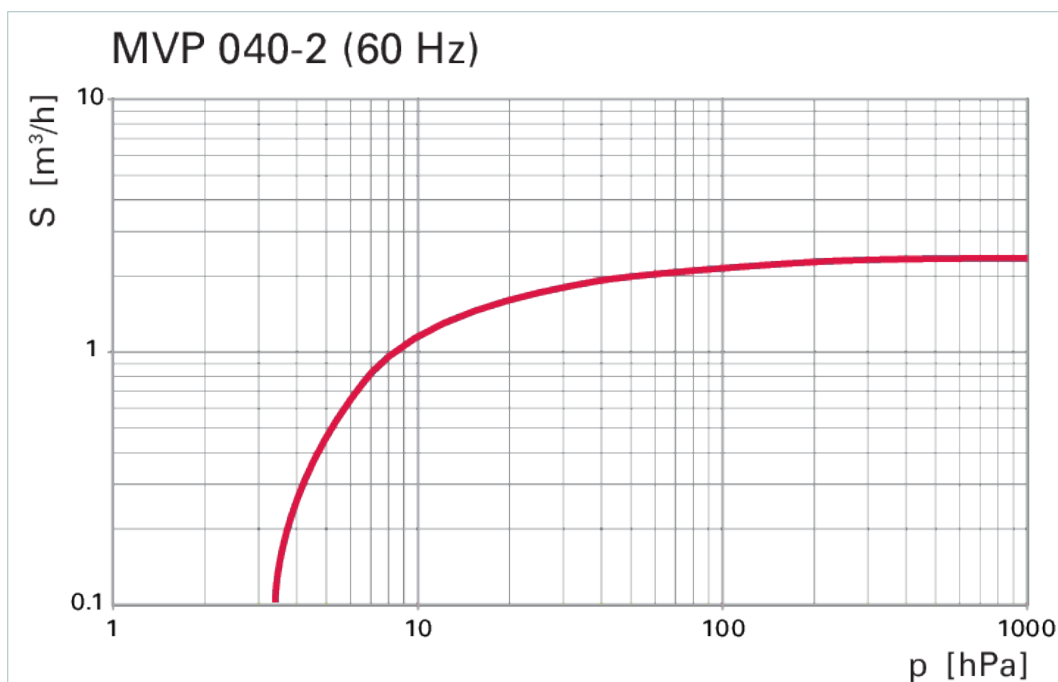
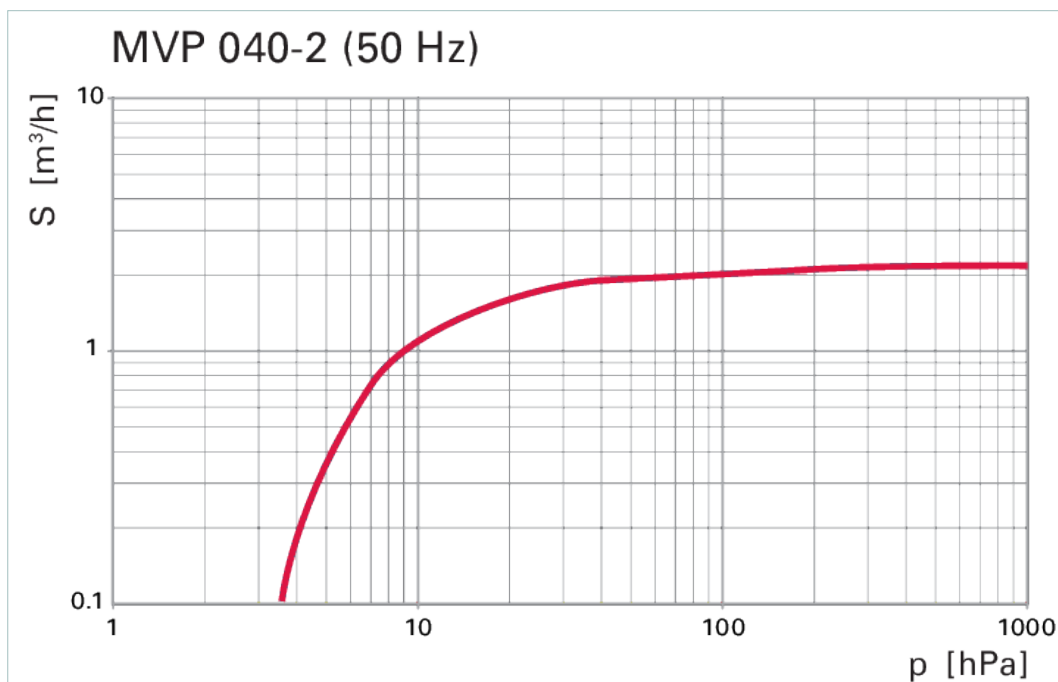
**MVP 040-2, Diaphragm pump,
100–115/200–230 V,
50 Hz | 100–115/120/200–230 V, 60
Hz**



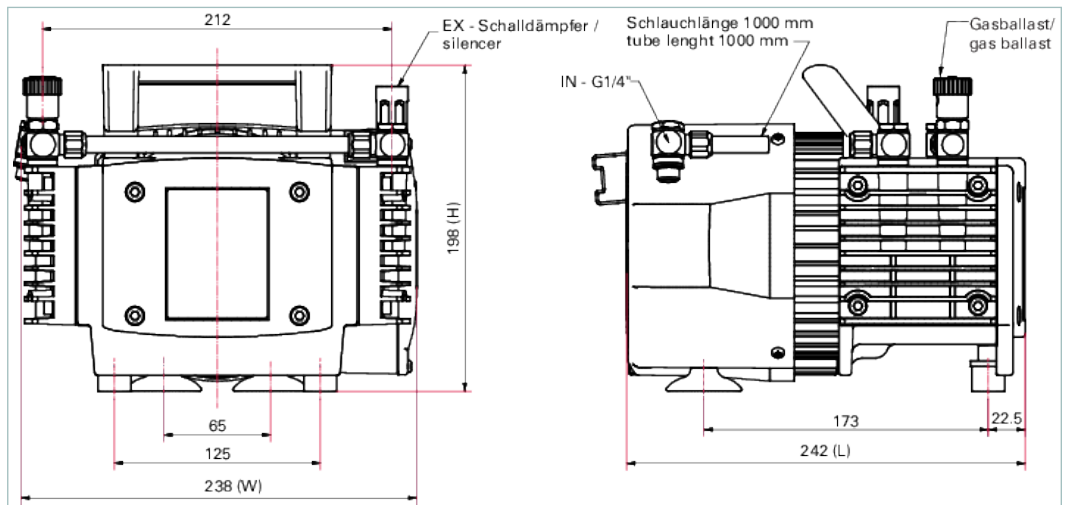
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MVP 040-2, Diaphragm pump, 100–115/200–230 V, 50 Hz | 100–115/120/200–230 V, 60 Hz

- Robust and high-performance diaphragm pump with a pumping speed of up to 2.5 m³/h
- For mains voltage: 90–126/180–254 V, 50/60 Hz
- Integrated gas ballast valve allows few amounts of humidity
- Ideal for applications where a dry and oil-free vacuum is required



Dimensions



Technical Data	MVP 040-2, Diaphragm pump, 100–115/200–230 V, 50 Hz 100–115/120/200–230 V, 60 Hz
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Cooling method, standard	Air
Current max.	3.4 A
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 1/4" elbow union with enclosed hose 10/8, 1000 mm with an elbow union in G 1/4" 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
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	1.8 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

Order number

MVP 040-2

PK T01 210

Accessories	
Cables Mains cables / Power cords	
Mains cable 230 V with safety plug CEE 7, right angle IEC 320/C13 socket, 2 m	PK 050 109
Mains cable 115 V with NEMA-plug, right angle IEC 320/C13 socket, 2 m	PK 050 110
Mains cable 115 / 230 V without plug, right angle IEC 320/C13 socket, 3 m	PK 050 111
Connections Screw-in flanges	
Screw-in flange DN 16 ISO-KF / G1/4" incl. seal (for MVP 040-2, MVP 070-3 inlet/outlet)	PK 050 114 -T
Control Devices Backing pump	
Relay box, shielded, for backing pumps, 1-phase 7A for TC 110/120 and TCP 350, plug M8	PM 071 282 -X

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