MVP 010-070 Cleanroom

Diaphragm vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



Process safety

Oil- and particle-free vacuum for contamination-free operation up to cleanroom class ISO 8.

Reliable low-maintenance operation

Durable diaphragm pump design minimizes service effort and reduces maintenance interventions.

Quiet operation

Low noise and low vibration support comfortable lab work and stable analytical conditions.

Accessories, spare parts and options

- Connecting cable
- RS-485 interface cable
- USB RS-485 converter
- Gas-ballast valve kit
- Purge gas nozzle with filter
- Flange and hose connection
- OmniControl with or without integrated power supply
- Handheld programming unit
- Service kit
- Overhaul kit
- Optional gas-ballast valve
- Variable speed drive

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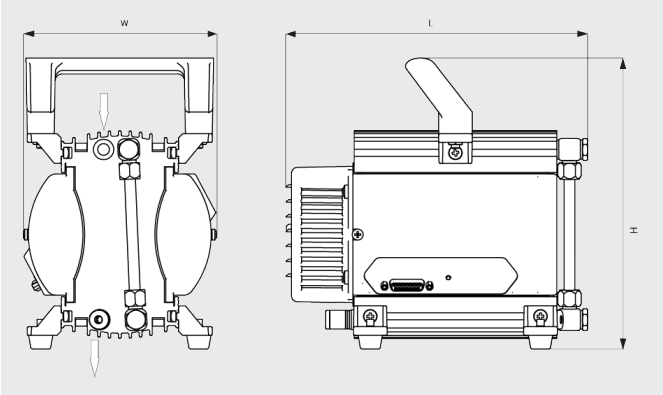
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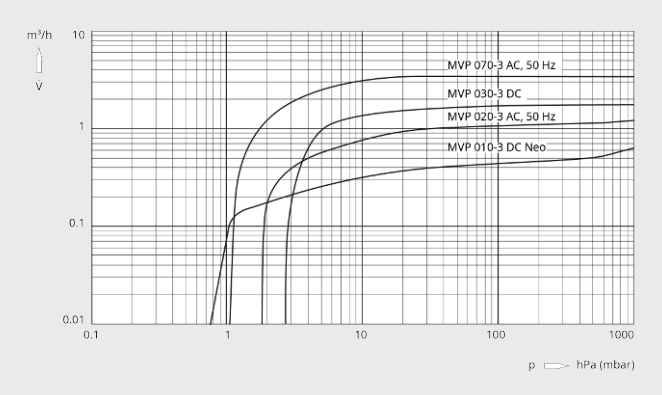
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Dimensional drawing



Pumping speed



*AC versions with 60 Hz have slightly higher values

	MVP 010-3 DC Neo - Cleanroom	MVP 020-3 AC - Cleanroom	MVP 030-3 DC - Cleanroom	MVP 070-3 AC - Cleanroom
Pumping speed	0.6 m^3/h	-	1.8 m^3/h	-
Pumping speed (50 Hz)	-	1.2 m^3/h	-	3.8 m^3/h
Pumping speed (60 Hz)	-	1.4 m^3/h	-	4.3 m^3/h
Ultimate pressure	1.0 hPa (mbar)	2.0 hPa (mbar)	2.0 hPa (mbar)	1.0 hPa (mbar)
Gas ballast	No	optional	optional	No
Rotational speed (50 Hz)	540 - 3000 min^{-1}	1500 min^{-1}	600 - 2400 min^{-1}	1500 min^{-1}
Rotational speed (60 Hz)	540 - 3000 min^{-1}	1800 min^{-1}	600 - 2400 min^{-1}	1800 min^{-1}
Nominal rotation speed	1800 min^{-1}	-	-	-
Intake pressure max.	1100 hPa (mbar)	1100 hPa (mbar)	1100 hPa (mbar)	1100 hPa (mbar)
Exhaust pressure max.	1300 hPa (mbar)	1100 hPa (mbar)	1100 hPa (mbar)	1100 hPa (mbar)
Supply voltage	24 V DC (±10 %)	100 – 115 / 220 – 230 V AC, 50 / 60 Hz, 120 V / 60 Hz	24 V DC (±10 %)	100 – 115 / 220 – 230 V AC, 50 / 60 Hz, 120 V / 60 Hz
Current max.	2.5 A	1.7 A	7.0 A	5.7 A
I/O interface	RS-485	-	RS-485	-

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Cooling method	Natural convection	Air (forced convection)	Natural convection	Air (forced convection)
Protection class	5 - 40 °C	10 - 40 °C	10 - 40 °C	10 - 40 °C
Certification	cTUVus certified according to UL / CSA 61010-1	cTUVus certified according to UL / CSA 61010-1	cTUVus certified according to UL / CSA 61010-1	cTUVus certified according to UL / CSA 61010-1
Sound pressure level	50 dB(A)	48 dB(A)	45 dB(A)	52 dB(A)
Weight approx.	2.0 kg	7.3 kg	4.3 kg	16.4 kg
Dimensions (L x W x H)	173 x 105 x 103 mm	324 x 151 x 216 mm	223 x 143 x 217 mm	328 x 238 x 198 mm
Gas inlet / outlet	G 1/8" / G 1/8"	G 1/8" / G 1/8"	G 1/8" / G 1/8"	G 1/4" / G 1/4"
Cleanroom class (DIN EN ISO 14644-1)	ISO 8	ISO 8	ISO 8	ISO 8

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM

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