

DuoVane 1.6/3

Two-stage rotary vane vacuum pumps

PFEIFFER
VACUUM + FAB SOLUTIONS



High performance

Excellent pumping speed, compact design and low noise level

Reliable

Integrated gas-ballast valve and vacuum safety valve

Flexible

Versions for handling of corrosive gases available

Accessories, spare parts and options

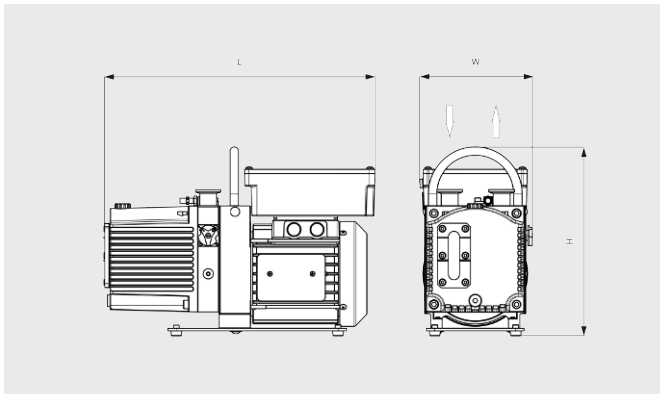
- Maintenance kits
- Oil mist separator
- Dust separator
- Sorption trap
- Operations monitoring unit
- M-Version - magnetic coupling version
- MC-Version - corrosive gas version with magnetic coupling
- 24 V DC motor

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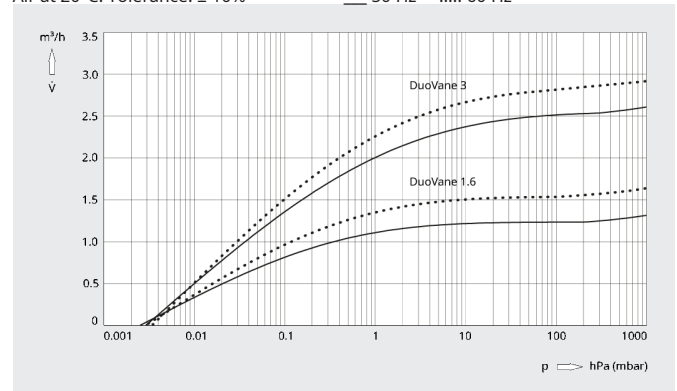
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	DuoVane 1.6	DuoVane 3
Nominal pumping speed	1.25 / 1.5 m³/h (50/60 Hz)	2.5 / 2.9 m³/h (50/60 Hz)
Ultimate pressure (gas-ballast valve closed)	$3 \cdot 10^{-3}$ hPa(mbar)	$3 \cdot 10^{-3}$ hPa(mbar)
Ultimate pressure (gas-ballast valve open)	$1 \cdot 10^{-2}$ hPa(mbar)	$3 \cdot 10^{-2}$ hPa(mbar)
Motor phase	Single-phase	Single-phase
Nominal motor rating	0.075 / 0.09 kW (50/60 Hz)	0.25 / 0.3 kW (50/60 Hz)
Nominal motor speed	1500 / 1800 min ⁻¹ (50/60 Hz)	3000 / 3600 min ⁻¹ (50/60 Hz)
Noise level (50 Hz)	42 dB(A)	54 dB(A)
Oil capacity	0.4 l	0.4 l
Weight approx.	9.6 kg	13 kg
Dimensions (L x W x H)	317 x 136 x 190 mm	356 x 143 x 207 mm
Gas inlet / outlet	DN 16 ISO-KF / DN 16 ISO-KF	DN 16 ISO-KF / DN 16 ISO-KF

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