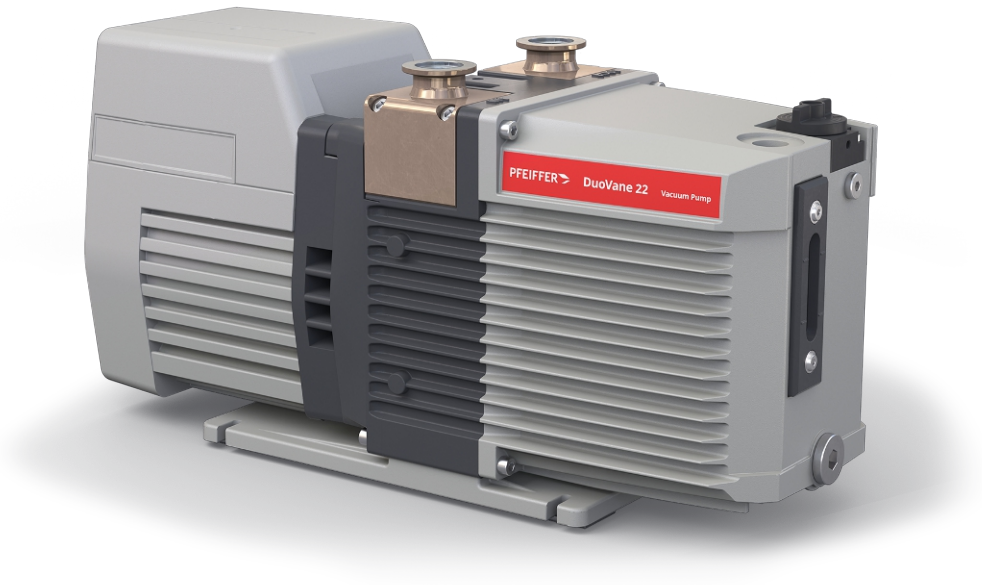
DuoVane 6-22

Two-stage oil-lubricated rotary vane vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



High performance

Best pumping-speed-to-size-ratio in its class, fast pump-down from atmospheric pressure

Efficient

Lowest power consumption in its performance class, nearly maintenance-free

Reliable

Integrated gas-ballast valve and optimized vacuum safety valve

Accessories, spare parts and options

- Vane spring kit
- Sight glass kit
- Valve and spring kit
- Seal kit
- Shaft seal ring
- Diaphragm kit
- Gas-ballast valve kit
- Overhaul kit
- Oil mist separator
- Dust separator
- Sorption trap
- Cold trap
- C-Version - corrosive gas version (to be released in 2025)
- Single-phase motor
- Three-phase motor
- Vacuum pump oil

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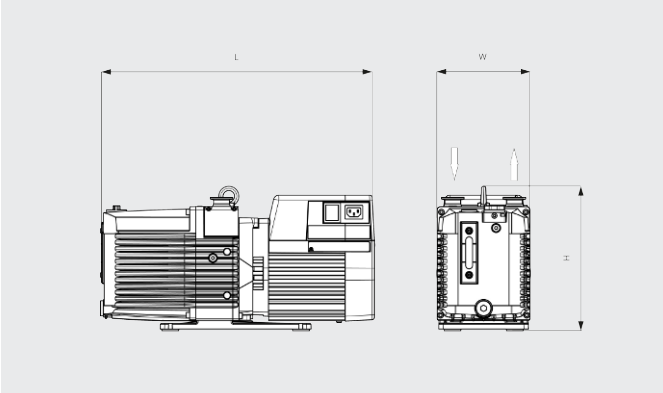
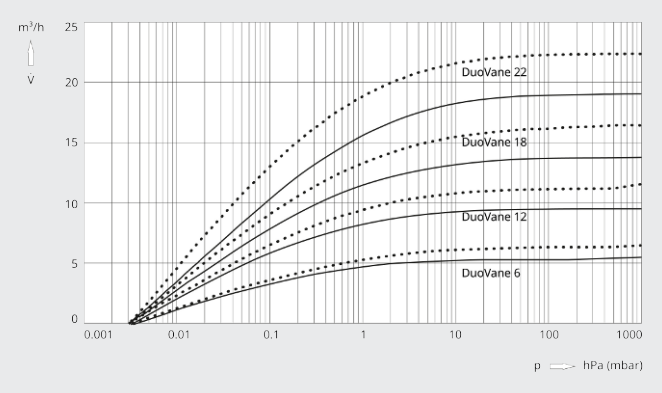
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10% ___ 50 Hz ..... 60 Hz



	DuoVane 6	DuoVane 12	DuoVane 18	DuoVane 22
Nominal pumping speed	5.5 / 6.5 m^3/h (50/60 Hz)	9.5 / 11.8 m^3/h (50/60 Hz)	14 / 16.9 m^3/h (50/60 Hz)	19.5 / 22.5 m^3/h (50/60 Hz)
Ultimate pressure (gas-ballast valve closed)	$3 \cdot 10^{-3}$ hPa(mbar)	$3 \cdot 10^{-3}$ hPa(mbar)	$3 \cdot 10^{-3}$ hPa(mbar)	$3 \cdot 10^{-3}$ hPa(mbar)
Ultimate pressure (gas-ballast valve open)	$1 \cdot 10^{-2}$ hPa(mbar)	$1 \cdot 10^{-2}$ hPa(mbar)	$1 \cdot 10^{-2}$ hPa(mbar)	$1 \cdot 10^{-2}$ hPa(mbar)
Motor phase	Single-phase / Three-phase	Single-phase / Three-phase	Single-phase / Three-phase	Single-phase / Three-phase
Nominal motor rating	0.45 / 0.55 kW (50/60 Hz)	0.45 / 0.55 kW (50/60 Hz)	0.55 / 0.66 kW (50/60 Hz)	0.55 / 0.66 kW (50/60 Hz)
Nominal motor speed	1500 / 1800 min^{-1} (50/60 Hz)	1500 / 1800 min^{-1} (50/60 Hz)	1500 / 1800 min^{-1} (50/60 Hz)	1500 / 1800 min^{-1} (50/60 Hz)
Noise level (50 Hz)	50 dB(A)	50 dB(A)	52 dB(A)	52 dB(A)
Oil capacity	1.1 l	1.2 l	1.3 l	1.3 l
Weight approx.	25.5 kg	27.5 kg	31 kg	32 kg
Dimensions (L x W x H)	413 x 164 x 237 mm	428 x 164 x 237 mm	465 x 164 x 237 mm	483 x 164 x 237 mm
Gas inlet / outlet	DN 25 ISO-KF / DN 25 ISO-KF	DN 25 ISO-KF / DN 25 ISO-KF	DN 25 ISO-KF / DN 25 ISO-KF	DN 25 ISO-KF / DN 25 ISO-KF

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CONTACT FORM

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