

DuoVane 36/70

Two-stage oil-lubricated rotary vane vacuum pumps



User-friendly

Easy installation

Reliable

Integrated gas-ballast valve and vacuum safety valve, perfectly suited for industrial applications

Flexible

Compact design, versions for handling of corrosive gases available

Accessories

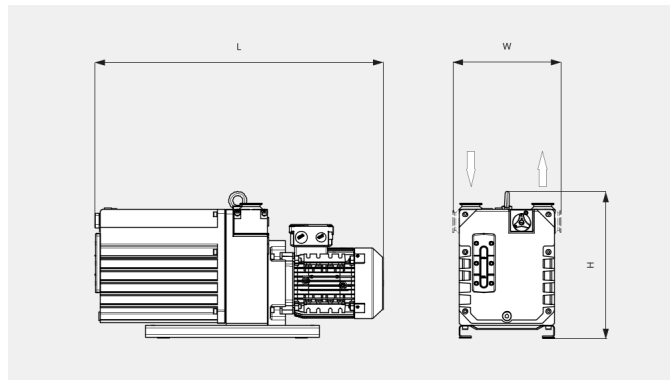
- Service kit
- Oil mist separator
- Dust separator
- Sorption trap
- Cold trap
- Vacuum booster adapter flange
- Operations monitoring unit
- Mechanical oil filter
- Chemical oil filter
- M-version - magnetic coupling version
- C-version - corrosive gas version
- MC-version - corrosive gas version with magnetic coupling
- Vacuum pump oil

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Dimensional drawing



Pumping speed

The following technical values refer to ISO 50 Hz

	DuoVane 36	DuoVane 70
Nominal pumping speed	32 m ³ /h	62 m ³ /h
Ultimate pressure (gas-ballast valve closed)	2 · 10 ⁻³ hPa(mbar)	2 · 10 ⁻³ hPa(mbar)
Ultimate pressure (gas-ballast valve open)	3 · 10 ⁻³ hPa(mbar)	3 · 10 ⁻³ hPa(mbar)
Motor phase	Three-phase	Three-phase
Nominal motor rating	1.1 kW	1.5 kW
Nominal motor speed	1500 min ⁻¹	1500 min ⁻¹
Sound pressure level (50 Hz)	61 dB(A)	61 dB(A)
Oil capacity	3.2 l	4.2 l
Weight approx.	68 kg	75 kg
Dimensions (L x W x H)	645 x 240 x 340 mm	728 x 240 x 340 mm
Gas inlet	DN 40 ISO-KF	DN 40 ISO-KF
Gas outlet	DN 40 ISO-KF	DN 40 ISO-KF

The following technical values refer to ISO 60 Hz

	DuoVane 36	DuoVane 70
Nominal pumping speed	36 m ³ /h	70 m ³ /h
Ultimate pressure (gas-ballast valve closed)	2 · 10 ⁻³ hPa(mbar)	2 · 10 ⁻³ hPa(mbar)

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	DuoVane 36	DuoVane 70
Ultimate pressure (gas-ballast valve open)	$3 \cdot 10^{-3}$ hPa(mbar)	$3 \cdot 10^{-3}$ hPa(mbar)
Motor phase	Three-phase	Three-phase
Nominal motor rating	1.3 kW	1.8 kW
Nominal motor speed	1800 min ⁻¹	1800 min ⁻¹
Sound pressure level (50 Hz)	61 dB(A)	61 dB(A)
Oil capacity	3.2 l	4.2 l
Weight approx.	68 kg	75 kg
Dimensions (L x W x H)	645 x 240 x 340 mm	728 x 240 x 340 mm
Gas inlet	DN 40 ISO-KF	DN 40 ISO-KF
Gas outlet	DN 40 ISO-KF	DN 40 ISO-KF