

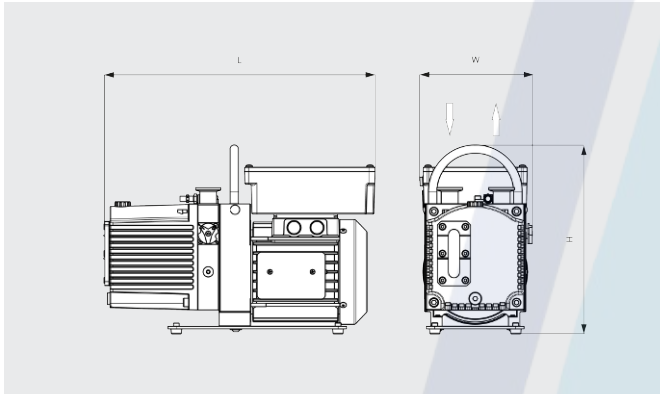
DuoVane 1.6/3

Two-stage oil-lubricated rotary vane vacuum pumps

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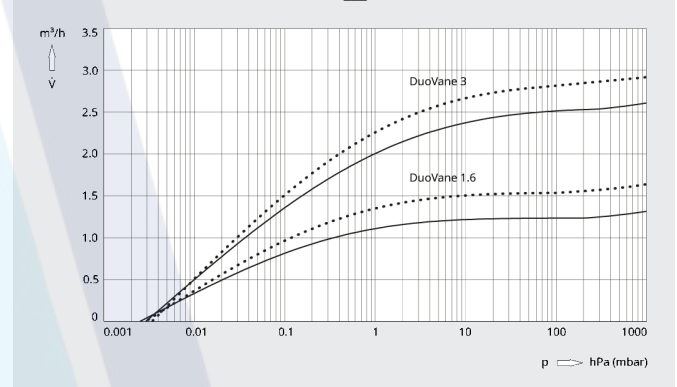
Dimensional drawing



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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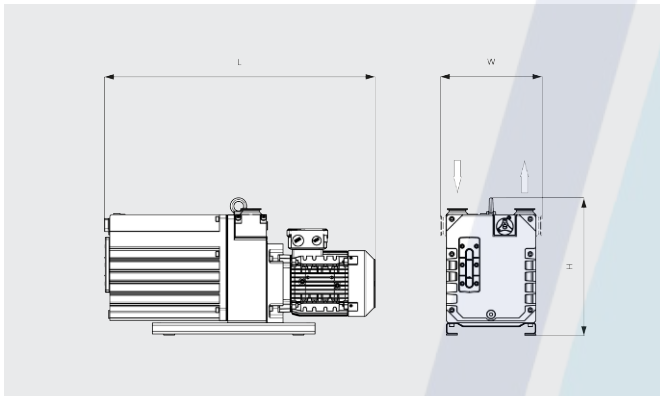
DuoVane 30/95

Two-stage oil-lubricated rotary vane vacuum pumps

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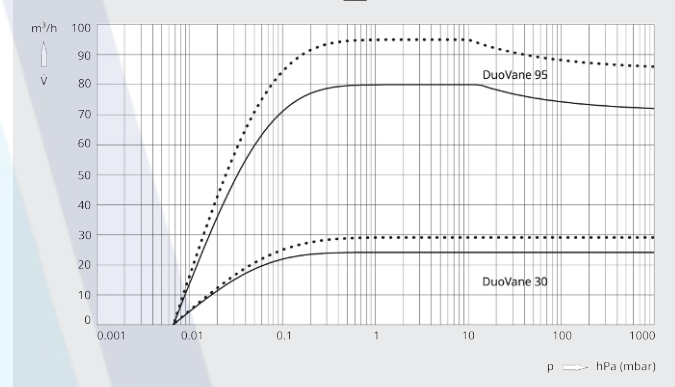
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	DuoVane 30	DuoVane 95
Nominal pumping speed	24 / 29 m³/h (50/60 Hz)	80 / 95 m³/h (50/60 Hz)
Ultimate pressure (gas-ballast valve closed)	$6,7 \cdot 10^{-3}$ hPa(mbar)	$6,7 \cdot 10^{-3}$ hPa(mbar)
Ultimate pressure (gas-ballast valve open)	$2 \cdot 10^{-2}$ hPa(mbar)	$2 \cdot 10^{-2}$ hPa(mbar)
Motor phase	Three-phase	Three-phase
Nominal motor rating	1.5 kW (50/60 Hz)	3.7 kW (50/60 Hz)
Nominal motor speed	1500 / 1800 min ⁻¹ (50/60 Hz)	1500 / 1800 min ⁻¹ (50/60 Hz)
Noise level (50 Hz)	57 dB(A)	60 dB(A)
Oil capacity	2.5 l	4 l
Weight approx.	58 kg	113 kg
Dimensions (L x W x H)	671 x 214 x 326 mm	831 x 264 x 373 mm
Gas inlet / outlet	DN 40 ISO-KF / DN 40 ISO-KF	DN 63 ISO-K / DN 40 ISO-KF

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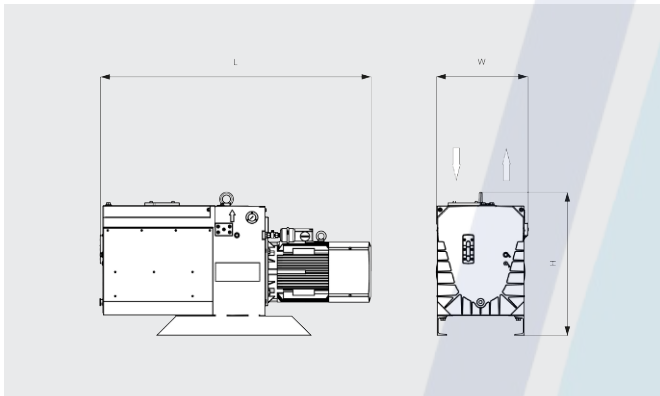
DuoVane 135/300

Two-stage oil-lubricated rotary vane vacuum pumps

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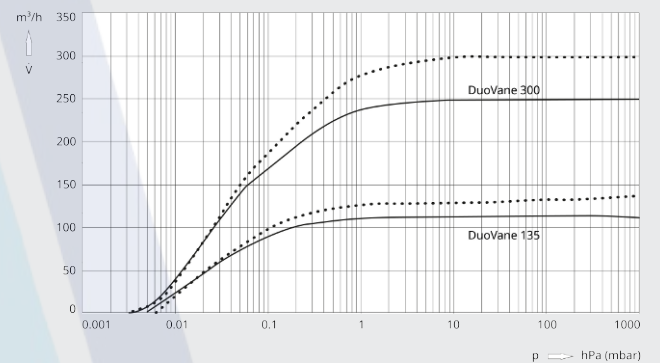
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	DuoVane 135	DuoVane 300
Nominal pumping speed	115 / 135 m³/h (50/60 Hz)	250 / 300 m³/h (50/60 Hz)
Ultimate pressure (gas-ballast valve closed)	$2 \cdot 10^{-3}$ hPa(mbar)	$3 \cdot 10^{-3}$ hPa(mbar)
Ultimate pressure (gas-ballast valve open)	$4 \cdot 10^{-3}$ hPa(mbar)	$4 \cdot 10^{-3}$ hPa(mbar)
Motor phase	Three-phase	Three-phase
Nominal motor rating	4 / 4.5 kW (50/60 Hz)	7.5 / 9 kW (50/60 Hz)
Nominal motor speed	1000 / 1200 min ⁻¹ (50/60 Hz)	1000 / 1200 min ⁻¹ (50/60 Hz)
Noise level (50 Hz)	75 dB(A)	75 dB(A)
Oil capacity	14 l	25 l
Weight approx.	225 kg	360 kg
Dimensions (L x W x H)	1166 x 396 x 526 mm	1407 x 460 x 670 mm
Gas inlet / outlet	DN 63 ISO-F / DN 63 ISO-F	DN 100 ISO-F / DN 100 ISO-F

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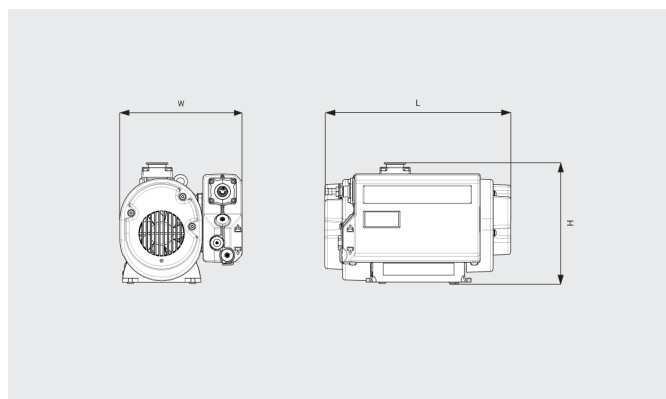
SmartVane 55/70

Two-stage oil-lubricated rotary vane vacuum pumps

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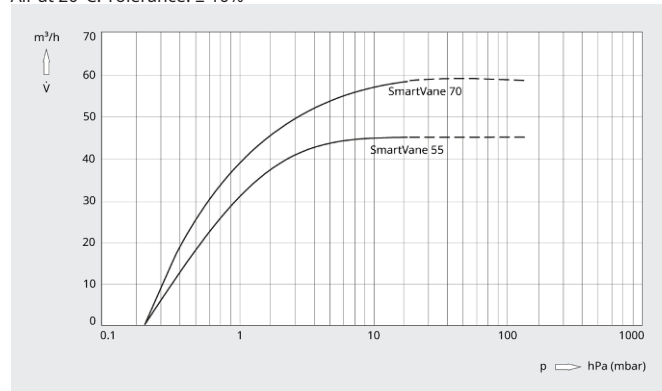
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$



	SmartVane 55	SmartVane 70
Nominal pumping speed	31 - 50 m³/h	31 - 70 m³/h
Ultimate pressure (gas-ballast valve closed)	2 · 10 ⁻¹ hPa(mbar)	2 · 10 ⁻¹ hPa(mbar)
Motor phase	One-phase	One-phase
Nominal motor rating	0,75 kW	1 kW
Nominal motor speed	800 - 1350 min ⁻¹	800 - 1800 min ⁻¹
Noise level (50 Hz)	<60 dB(A)	<60 dB(A)
Oil capacity	1,75 l	1,75 l
Weight approx.	36 kg	37 kg
Dimensions (L x W x H)	415 x 312 x 309 mm	470 x 312 x 309 mm
Gas inlet / outlet	DN 40 ISO-F / DN 25 ISO-F	DN 40 ISO-F / DN 25 ISO-F

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