



DuoVane 3 DC, 24 V DC, DN 16 ISO-KF



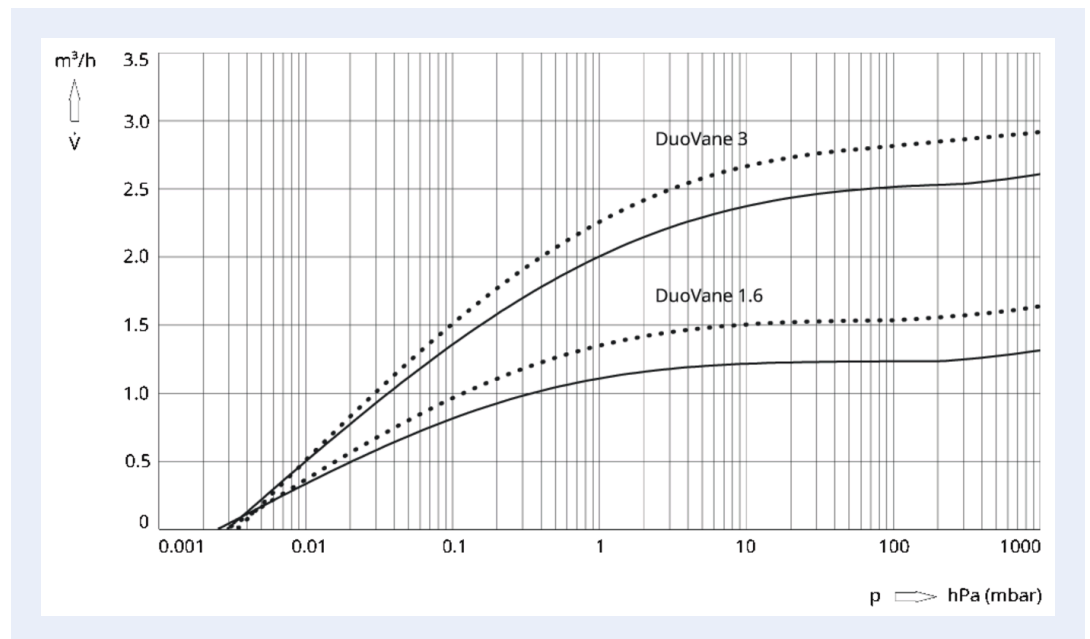


Illustration only

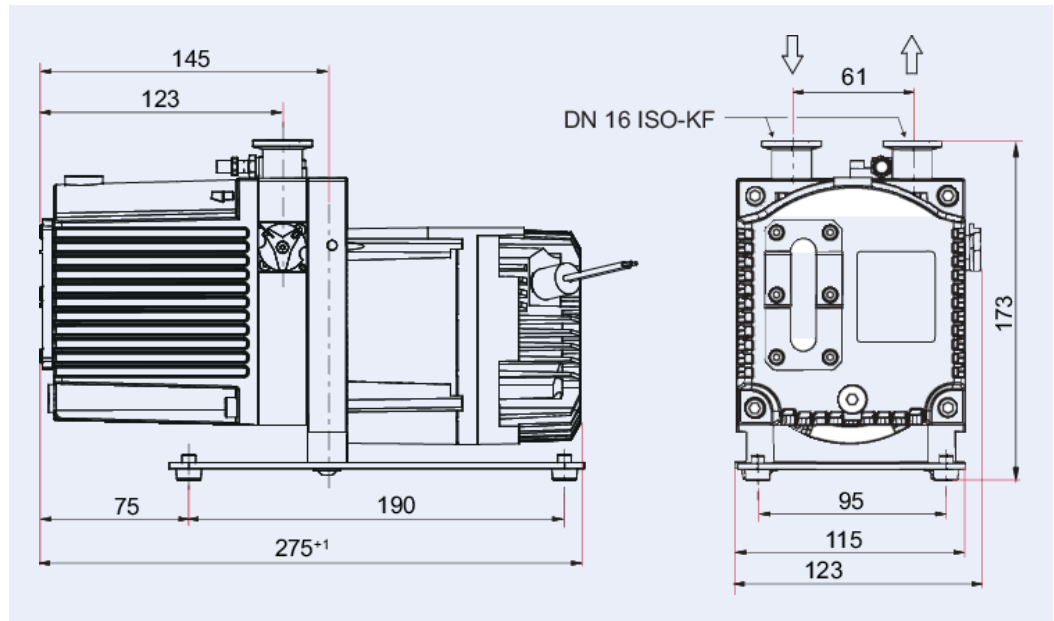
DuoVane 3 DC, 24 V DC, DN 16 ISO-KF

- Dual-stage, high-performance rotary vane pump with a pumping speed of 2.5 m³/h
- With 24 V DC-drive
- Integrated gas ballast and safety valve
- To connect pump with power supply TPS 310, connector plug P 4723 102 is necessary
- Suitable for operation with the wide range of temperature from -20 to +40 °C
- Very low noise level 53 dB (A) allows installation close to a work space
- Low cost of ownership due to power consumption < 100 W
- Low maintenance due to brushless drive and optional magnetic coupling
- Easy installation and small footprint

Characteristics



Dimensions



Technical Data	DuoVane 3 DC, 24 V DC, DN 16 ISO-KF
Gas ballast	Yes
Operating fluid	Inland 45
Cooling method	Air (Forced convection)
Pumping speed	2.5 m ³ /h
Motor type	DC motor
Rated current consumption	9.8 A
Vacuum range min	3 · 10 ⁻³ hPa
Vacuum range max	3 · 10 ⁻³ hPa
Recommended on-site electric fuse protection	16 A
Ambient temperature	20 – 40 °C
Current max.	16 A
Temperature: Storage, max	55 °C
Temperature: Storage, min	-25 °C
Certification	CE
Input voltage(s)	24 V DC (±10 %)
Emission sound pressure level (EN ISO 2151)	53 dB(A)
Ultimate pressure with gas ballast	3 · 10 ⁻³ hPa 2.25 · 10 ⁻³ Torr 3 · 10 ⁻³ mbar
Leakage rate safety valve	1 · 10 ⁻⁵ Pa m ³ /s 7.5 · 10 ⁻⁵ Torr l/s 1 · 10 ⁻⁴ mbar l/s
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Switch	No
Exhaust pressure, max.	1,500 hPa
Motor protection	Electronically
Rotation speed	≥ 3000 rpm
Mains cable	Yes, with bare ends
Final pressure with gas ballast	3 · 10 ⁻³ hPa
Dimensions (L x W x H)	275 x 123 x 173 mm
Power consumption max.	340 W
Number of pumping stages	Two stage
Connection flange	DN 16 ISO-KF / DN 16 ISO-KF
Operating fluid amount	0.4 l
Exhaust pressure, min.	Atmospheric pressure
Weight	7 kg
Connection flange (in)	DN 16 ISO-KF
Connection flange (out)	DN 16 ISO-KF

Order number	DuoVane 3 DC, 24 V DC, DN 16 ISO-KF
DuoVane 3 DC, 24 V DC, DN 16 ISO-KF	2000271794

Accessories	DuoVane 3 DC, 24 V DC, DN 16 ISO-KF
Maintenance kit for DUO 3 VDC 24 (PK D57 553)	2000021771
Overhaul kit for DUO 3 VDC 24 (PK D57 553 C)	2000021827
Radial shaft seal set for Duo 3 - 11 VDC 24 with motor coupling	2000021014
Vane kit for DUO 1.6 / 3 PK D56... / PK D57...	2000021047
Gas ballast valve for DUO 1.6 - 11	2000021055



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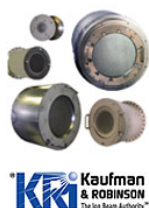
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