



HiScroll 6, scroll pump, standard including ATEX

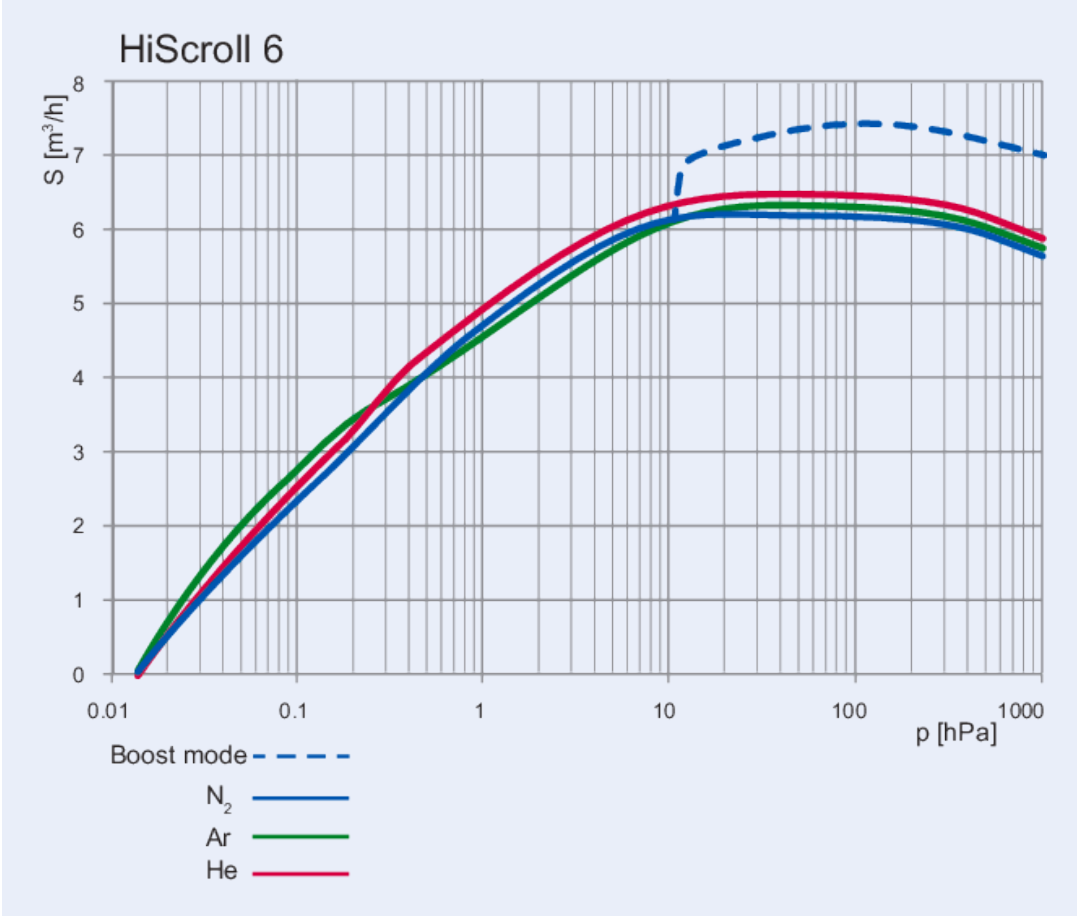




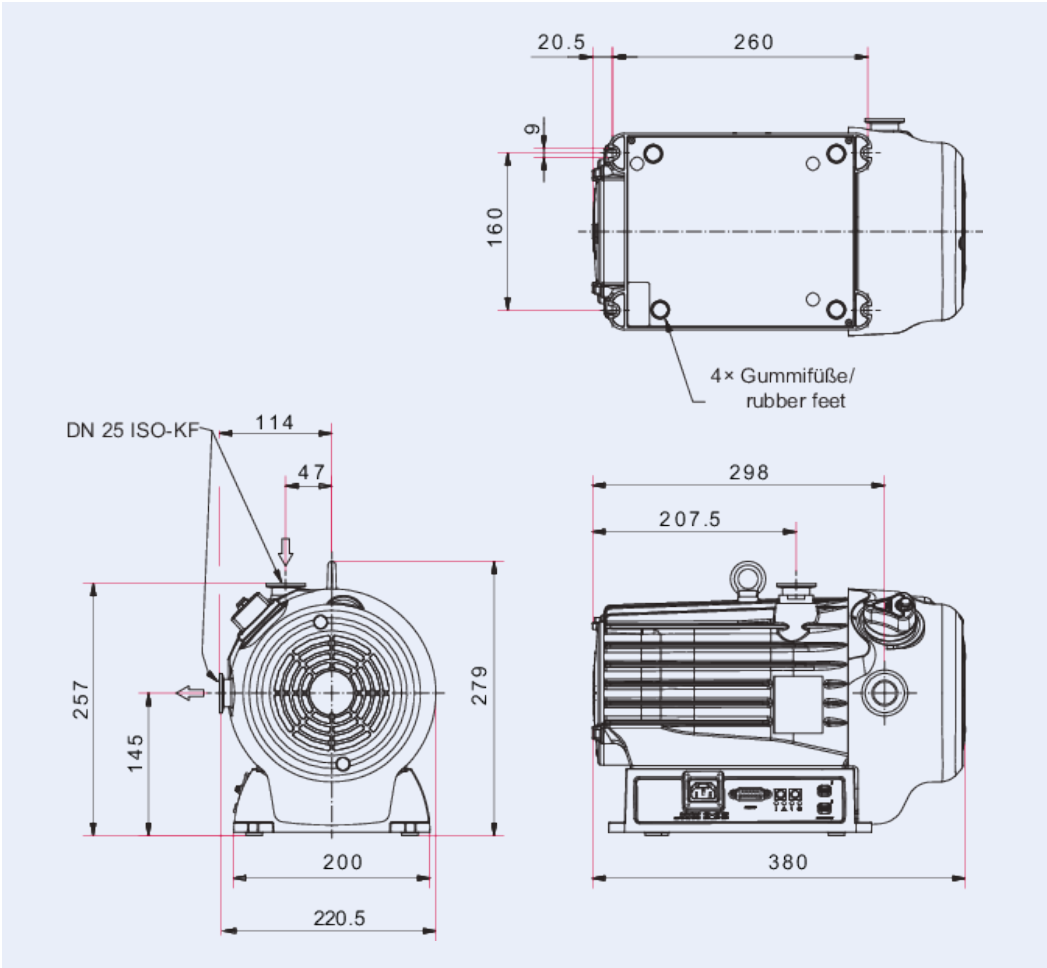
HiScroll 6, scroll pump, standard including ATEX

- No hydrocarbons: Completely dry & oil-free Scroll vacuum pump
- Low noise level, minimal vibrations and compact design, ideal also for use in laboratories
- Safe operation due to the installed non-return valve and hermetically sealed pumping system
- Low operating costs thanks to the highest quality, short maintenance times and long maintenance intervals
- Power as required: Stable pumping speed and short cycle times
- Sustainable: 15 % higher efficiency of the drive system, lower heat generation and lower cooling requirements
- Intelligent operating modes such as standby mode and interfaces for linking controllers and other Pfeiffer vacuum via RS-485
- Simple logistics: Our HiScroll pumps are suitable for all voltages worldwide

Characteristics



Dimensions



Technical Data	HiScroll 6, scroll pump, standard including ATEX
Pumping speed	6.1 m ³ /h
Final pressure	1.5 · 10 ⁻² hPa 1.125 · 10 ⁻² Torr 1.5 · 10 ⁻² mbar
Ultimate pressure for gas ballast stage 1	7 · 10 ⁻² hPa 5.25 · 10 ⁻² Torr 7 · 10 ⁻² mbar
Ultimate pressure for gas ballast stage 2	4 · 10 ⁻¹ hPa 3 · 10 ⁻¹ Torr 4 · 10 ⁻¹ mbar
Gas ballast flow stage 1	0.66 m ³ /h 0.388 cfm 11 l/min
Gas ballast flow stage 2	0.96 m ³ /h 0.565 cfm 16 l/min
Integral leak rate	5 · 10 ⁻⁷ Pa m ³ /s 6.65 · 10 ⁻⁵ Torr l/s 5 · 10 ⁻⁵ mbar l/s
Intake pressure max.	1,100 hPa
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Connection flange (in)	DN 25 ISO-KF
Connection flange (out)	DN 25 ISO-KF
I/O interfaces	RS-485
Input voltage(s)	100 – 127 / 200 – 240 V AC (±10 %), 50/60 Hz
Input voltage: tolerance	±10 %
Rated current consumption	100 V – 127 V: 4 A 200 V – 240 V: 2 A
Current, max.	10 A
Rotation speed	1 000 – 3 000 rpm
Nominal rotation speed	2,500 rpm 2,500 min ⁻¹
Protection degree	IP40 Type 1
ATEX-certification	Ex II 3/-G Ex h IIC T4 Gc X +5 °C ≤ T _a ≤ +40 °C
Certification	Semi S2 Semi S8 cTUVus certified according to UL / CSA 61010-1 compatible compatible
Switch	Yes
Ambient temperature	5 – 40 °C
Cooling method	Air (Forced convection)
Emission sound pressure level (EN ISO 2151)	48 dB(A)
Weight	19 kg 41.89 lb
Gas ballast	Yes
Operating altitude, max.	2,500 m

Order number	HiScroll 6, scroll pump, standard including ATEX
HiScroll 6, scroll pump, standard including ATEX	PD S10 000

Accessories	HiScroll 6, scroll pump, standard including ATEX
Maintenance kit tip seal for HiScroll 6	PD E10 000 -T
Valve kit for HiScroll 6/12/18	PD E13 000 -T
Spare parts kit - cover+fan for HiScroll 6	PD E15 000 -T

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Errors and/or changes excepted. - 7/6/2024

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