



HiScroll 46, standard, including ATEX



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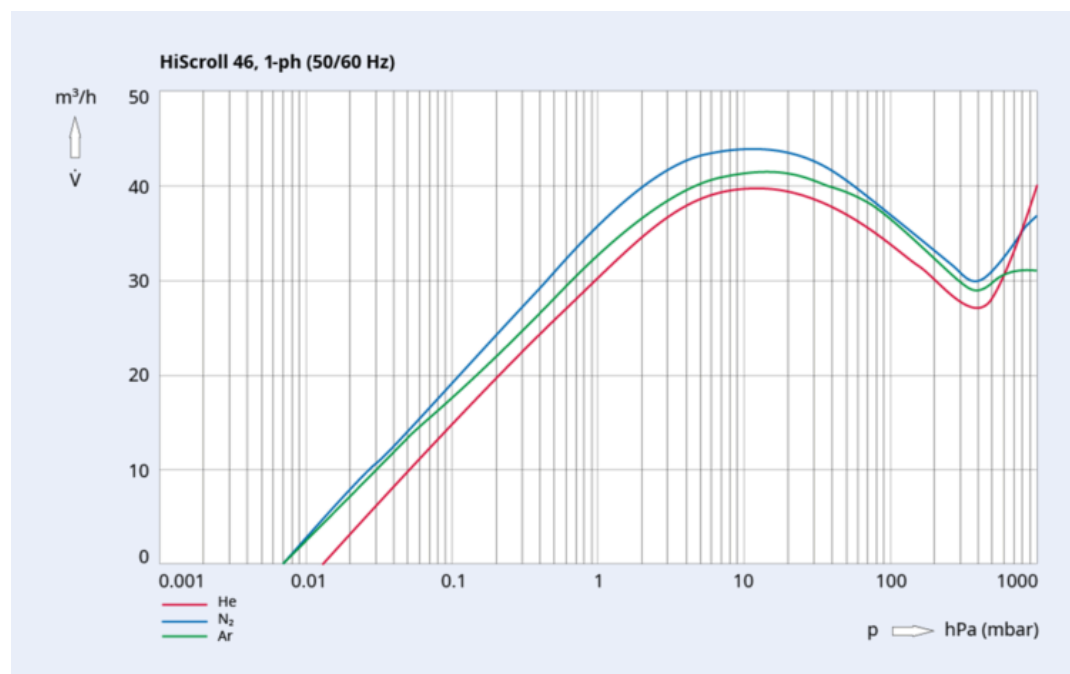


Illustration only

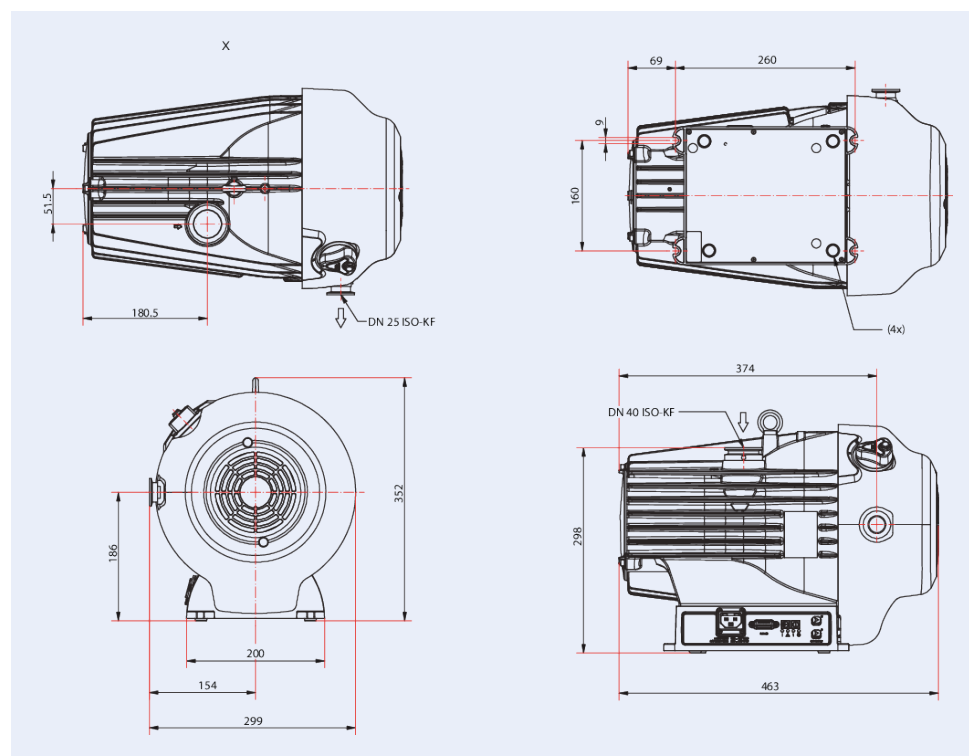
HiScroll 46, standard, including ATEX

- No hydrocarbons: Completely dry & oil-free Scroll vacuum pump
- Ultra-quiet and low-vibration - perfect for laboratories and quiet working environments
- Safe operation thanks to standard built-in non-return valve, hermetically sealed pump system and ATEX conformity: Ex II 3 (internal)/- (external) G Ex h IIC T4 Gc X $+5\text{ °C} \leq T_a \leq +40\text{ °C}$
- Seamless integration - compact design, easy to implement and flexible to use
- Maximum efficiency and performance - shortest pump-down time with lowest energy consumption
- Sustainable: Lowest power consumption at final pressure, lower heat generation and lower cooling requirements
- Industry 4.0 compatible: Operation with other intelligent products such as turbopumps via RS-485, optional: ProfiNet/EtherCAT
- Simple logistics: Our HiScroll pumps are suitable for all voltages worldwide
- Low operating costs thanks to the highest quality, short maintenance times and long maintenance intervals

Characteristics



Dimensions



Technical Data	HiScroll 46, standard, including ATEX
Gas ballast	Yes
Cooling method	Air (Forced convection)
Motor type	1-phase motor
Motor protection	Internal
I/O interfaces	RS485
Ambient temperature	5 – 40 °C
Certification	Semi S2 compatible Semi S8 compatible cTUVus certified according to UL / CSA 61010-1
ATEX-certification	Ex II 3/-G Ex h IIC T4 Gc X +5 °C ≤ T _a ≤ +40 °C
Weight	32 kg 70.55 lb
Pumping speed	43 m ³ /h
Input voltage(s)	100 – 127 / 200 – 240 V AC (±10 %), 50/60 Hz
Emission sound pressure level (EN ISO 2151)	≤47 dB(A)
Gas ballast pressure	1,500 hPa 1,125 Torr 1,500 mbar
Ultimate pressure	7 · 10 ⁻³ hPa 5.25 · 10 ⁻³ Torr 7 · 10 ⁻³ mbar
Ultimate pressure for gas ballast stage 1	3 · 10 ⁻² hPa 2.25 · 10 ⁻² Torr 3 · 10 ⁻² mbar
Ultimate pressure for gas ballast stage 2	2 · 10 ⁻¹ hPa 1.5 · 10 ⁻¹ Torr 2 · 10 ⁻¹ mbar
Tested base pressure	7 · 10 ⁻³ hPa 5.25 · 10 ⁻³ Torr 7 · 10 ⁻³ mbar
Exhaust pressure, max.	1,200 hPa 900 Torr 1,200 mbar
Switch	Yes
Rotation speed	720 – 1800 rpm
Nominal rotation speed	1,800 rpm 1,800 min ⁻¹
Gas ballast flow stage 1	1.38 m ³ /h 0.812 cfm 23 l/min
Gas ballast flow stage 2	2.1 m ³ /h 1.236 cfm 35 l/min
Operating altitude, max.	3,000 m
Intake pressure max.	1,100 hPa 825 Torr 1,100 mbar
Mains cable	No
Dimensions (L x W x H)	463 x 299 x 334 mm
Connection flange (in)	DN 40 ISO-KF
Connection flange (out)	DN 25 ISO-KF

Order number	HiScroll 46, standard, including ATEX
HiScroll 46, standard, including ATEX	PD S40 000

Accessories	HiScroll 46, standard, including ATEX
TipSeal maintenance kit for HiScroll 46	PD E40 000 -T
Valve set for HiScroll 46	PD E43 000 -T



Errors and/or changes excepted. - 4/2/2025

Are you looking for an optimum vacuum solution?

Talk to us:

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Or scan the barcode, to visit our web page:



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