

3.5 Technical data

3.5.1 Vacuum Pump

	Vacuum Pump V-600
Dimensions (W x D x H)	330 x 321 x 291 mm
Weight (without accessories)	13.9 kg
Suction capacity	3.1 m ³ /h
Final vacuum (absolute)	1.5 mbar
Vacuum connection	GL14
Power consumption	360 W
Power consumption, energy saving mode 1 (80%)	190 W
Power consumption, energy saving mode 2 (50%)	120 W
Power supply voltage	100 – 240 VAC
Frequency	50/60 Hz
Maximum speed	1500 rpm
Sound level (depending on operating mode)	40 – 64 dBA
Sound level with 10 % load (normal)	40 dBA
Sound level with 100 % load	64 dBA
Overvoltage category	II
IP Code	IP21
Pollution degree	2
Inlet temperature of media in ATEX 3G T3 IIC X operation mode	< 40 °C
Ignition temperature of media in ATEX 3G T3 IIC X operation mode	> 200 °C
Approvals	CE / CSA / CUS

3.5.2 Ambient conditions

Max. altitude above sea level	2000 m
Ambient temperature	5 - 40 °C
Maximum relative humidity	80 % for temperatures up to 31 °C decreasing linearly to 50 % at 40 °C

The [Vacuum Pump V-600] may only be used in indoor areas.

3.5.3 Materials

Component	Material
Pump heads	PEEK

Component	Material
Drive unit body	Aluminum
Casing	PBT
Diaphragms	EPDM/PTFE
Valve plate	PEEK
Valve body	PEEK
Pump-head connecting tube	FEP
Vacuum tubing	Norprene
Non-return valve O-rings	FKM