

### 3.5 Technical data

#### 3.5.1 Vacuum Pump

<b>Vacuum Pump V-300</b>	
Dimensions (W x D x H)	200 x 321 x 291 mm
Weight	7.6 kg
Suction capacity	1.8 m <sup>3</sup> /h
Final vacuum (absolute)	5 mbar (± 2 mbar)
Vacuum connection	GL14
Power consumption	180 W
Power consumption, energy saving mode 1 (80%)	95 W
Power consumption, energy saving mode 2 (50%)	60 W
Power supply voltage	100 – 240 VAC
Frequency	50/60 Hz
Maximum speed	1500 rpm
Sound level (depending on operating mode)	32 – 57 dBA
Sound level with 10 % load (normal)	32 dBA
Sound level with 100 % load	57 dBA
Overvoltage category	II
IP Code	IP20
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-300 may only be used in indoor areas.

#### 3.5.3 Materials

<b>Component</b>	<b>Material</b>
Pump heads	PEEK
Drive unit body	Aluminum
Casing	PBT

<b>Component</b>	<b>Material</b>
Diaphragms	EPDM/PTFE
Valve plate	PEEK
Valve body	PEEK
Pump-head connecting tube	FEP
Vacuum tubing	Norprene
Non-return valve O-rings	FKM