

## 9 Appendix

### 9.1 Technical data

	<b>V-500</b>	<b>V-501 / V-502 / V-503</b>
Measurements (L x B x H)	150 x 294 x 236 mm	230 x 420 x 400 mm
Weight	8 kg	9-11 kg
Electrical supply	230 VAC 50 Hz, +/-10 %	230 VAC 50 Hz, +/-10 %
	220 VAC 60 Hz, +/-10 %	220 VAC 60 Hz, +/-10 %
	120 VAC 50/60 Hz, +/-10 %	120 VAC 50/60 Hz, +/-10 %
	100 VAC 50/60 Hz, +/-10 %	100 VAC 50/60 Hz, +/-10 %
Power consumption	240 W	240 W
Surrounding temperature	5 - 40 °C	5 - 40 °C
Environmental conditions	for indoor use only, altitude up to 2000 m. maximum relativ humidity 80% for temperatures up to 30°C	
Final vacuum possible	< 10 mbar	< 10 mbar
Pumping volume	1.6 m <sup>3</sup> /h	1.6 m <sup>3</sup> /h
Relative humidity	max. 80%	max. 80%
Excess voltage category	II	II
Degree of contamination	2	2
V-800	see Operating instructions V-800	
Connection 24V-Switchbox	DC 24V / 30 mA	

Table 10: Technical data

### 9.2 Materials used

<b>Description</b>	<b>Material</b>	<b>Material code</b>
Pump heads	Glas	3.3
Housing	Aluminium	
Housing cover	PBT	
Diaphragms	PTFE / rubber	
Valve plate	PEEK	
Valve head	PEEK	
Vacuum hoses	PTFE / rubber	
Gasket rings valves	ETFE	
Diaphragms, valve unit	Perfluorelastomer	
Gasket secondary condenser / valve unit	PTFE / PEEK	

Table 11: Materials