

## Technical Data

Product: TURBOVAC SL 80  
Part No.: 800002V3001

Inlet connection:	DN 63 ISO-K	
Outlet connection:	DN 16 ISO-KF	
Pumping speed		
N <sub>2</sub> - Nitrogen:	65 l/s	
Ar - Argon:	60 l/s	
He - Helium:	55 l/s	
H <sub>2</sub> - Hydrogen:	49 l/s	
Gas throughput		
N <sub>2</sub> - Nitrogen:	2.0 mbar x l/s	
Ar - Argon:	1.6 mbar x l/s	
He - Helium:	1.2 mbar x l/s	
H <sub>2</sub> - Hydrogen:	0.5 mbar x l/s	
Compression ratio		
N <sub>2</sub> - Nitrogen:	> 1.0 x 10 <sup>11</sup>	
Ar - Argon:	> 1.0 x 10 <sup>11</sup>	
He - Helium:	2.0 x 10 <sup>6</sup>	
H <sub>2</sub> - Hydrogen:	4.0 x 10 <sup>4</sup>	
Ultimate pressure:	< 2.0 x 10 <sup>-10</sup> mbar	< 1.5 x 10 <sup>-10</sup> Torr
Max. foreline pressure for N <sub>2</sub> :	16.0 mbar	12.0 Torr
Nominal rotation speed:	72000 min <sup>-1</sup>	72000 rpm
Run -up time:	≈ 1.5 min	
Max. power consumption:	120 W	
Power consumption at ultimate pressure:	17 W	
Protection rating:	IP 20	
Admissible ambient temperature:	+15 to +45°C	+59 to +113°F
Cooling standard:	Convection	
Cooling optional:	Air / Water	
Cooling water connection:	G 1/8", Inside thread / 8 mm hose nozzle	
Cooling water consumption:	15 - 60 l/h	
Permissible cooling water pressure:	2 - 7 bar	
Permissible cooling water temperature:	+10 to +40°C	+50 to +104°F
Dimensions:	see dimension sheet	
Weight:	≈ 1.9 kg	≈ 4.2 lbs

Technical data are subject to change