

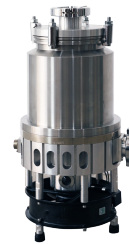
TMP-600

Turbomolecular Pump

Turbomolecular pump is a type of vacuum pump, superficially similar to a turbopump, used to obtain and maintain high vacuum. These pumps work on the principle that gas molecules can be given momentum in a desired direction by repeated collision with a moving solid surface. In a turbomolecular pump, a rapidly spinning fan rotor 'hits' gas molecules from the inlet of the pump towards the exhaust in order to create or maintain a vacuum.

Features

- Exceptional pumping speeds and compression ratios
- Working range: low vacuum to medium high vacuum, atmosphere to ultra-high vacuum
- The ultimate vacuum reaches 10 torr
- Independent intelligent controller with built-in protection
- Long service life and low maintenance cost



Parameters

Model	TMP-600
—— TECHNICAL DATA ——	
Vacuum Speed [L/s]	600
Ultimate Vacuum [Pa]	$<5 \times 10^{-6}$
Pre-stage Pump	$>8L/S-18L/S$
Pre-stage Working Pressure [Pa]	≤ 100
Cracking Pressure [Pa]	50(0.5)
Cracking Time [min]	6
Ambient Temperature [°C]	<40
—— ELECTRICAL REQUIREMENTS ——	
Voltage	220V
Phase	1P
Frequency	50/60HZ
Total Power [W]	240
Fan Power [W]	60
—— PUMP OIL ——	
Type of Pump Oil	Special Pump Oil
—— MOTOR ——	
Rotating Speed [rpm]	24000
—— COOLING ——	
Cooling Method	Air Cooling
Cooling Water Flow [L/min]	Air Cooling
—— INTERFACE SPECIFICATIONS ——	

Air Inlet Flange	ISO DN150 LF
Air Outlet Flange	KF40
Weight Dimension	
Weight [Kg]	30
Dimension [mm]	Ø167.5×560

Packages

W (mm)	CBM (m3)
D (mm)	Weight (kg)
H (mm)	

* Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.