

We developed the Vacuum Pump System(VPS) for evacuating different gaseous media, which is widely used for vacuum drying in electric industry, chemical industry, automotive industry, laboratory, food industries etc, especially for vacuum drying transformers. The vacuum pump units consist of one rotary vane vacuum pump or one vane vacuum pump combining with roots vacuum pump(booster pump), vane vacuum pump as backing pump and roots vacuum pump as fore-pump. This combination of the different types of pump depends on the nature of the media to be pumped off as well as the pump speed and the required operation and ultimate vacuum. These pumping units are of compact design and mounted on skids base ready for use.

### Features

- The powerful rotary vane backing pumps generate the necessary backing pressure so that the diffusion pump can always attain its full pumping speed and an ultimate vacuum of approx.  $10^{-4}$ mbar
- A high-vacuum valve at the inlet and a rough vacuum line(bypass), this makes it particularly efficient for rapid evacuation cycles.
- Electric Control panel with vacuum pump on-off switch, motor overload, emergency stop and power indication.
- Cold trap to collect the water
- Vacuum gauge indicates working vacuum pressure.
- High-performance, reliable vacuum evacuation unit with outstanding energy savings due to their low power consumption.

### Technical specification

Model	VPS-250	VPS-500	VPS-1000	VPS-2000	VPS-4000	
Capacity (m <sup>3</sup> /hour)	250	540	1100	2200	4300	
Ultimate vacuum	≤ 5 Pa					
Pumping speed of first stage vacuum pump (m <sup>3</sup> /h)	65	100	200	300	600	
Pumping speed of second stage roots pump (m <sup>3</sup> /h)	252	540	1000	2100	4300	
Power (kw)	4	6.5	9	11	18.5	
Power supply	380V 3Ph 50Hz (or Customized )					
Weight (kg)	480	650	960	1250	1560	
Dimension (mm)	L	1000	1100	1360	1500	1700
	W	600	650	900	1100	1150
	H	1180	1350	1700	1850	1950

