



VP-17

VP-19

VP-33

## VP-Series, Oil-Free Vacuum Pump/Compressor

VP Series vacuum pump is a piston-powered, oil-free pump. With innovative electronic, mechanical technology and human design concept make.

VP Series is quiet and low vibration, compact and light weight, clean and maintenance free, safe & comfortable.

- **No air pollution, maintenance free**  
VP Series pumps are driven by Piston, no need for lubricant, regular oil changes and maintenance; with no oil pollution.
- **Quiet and low vibration**  
Driven direct by motor with no additional belt-driven transmission; the quality vibration-proof assembly makes VP Series run at the lowest noise level among all other equivalent pumps.
- **Thermal protection device**  
Every motor of VP Series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then restart it when the temperature cools down.
- **Air inlet filter cartridge**  
Every VP Series pump is equipped with moisture trap in air inlet to filter particle, moisture and extend the life of the pump.

They are adaptable to many laboratory and industry requirements, such as:

- Liquid filtration for microbiology
- Liquid filtration for suspended solid test
- Air sampling
- Vacuum tweezers
- Aeration bubbler
- Vacuum oven.



Cables for VP-17D: 12VDC

Model	VP-17/VP-17D	VP-34	VP-19	VP-58	VP-33	
<b>Power</b>	220-240V/50Hz / DC 12V	220-240V/50Hz	220-240V/50Hz	220-240V/50Hz	220-240V/50Hz	
<b>Max power consumption (W)</b>	60 / 35	100/80	100/80	190/180	190/180	
<b>Max. current (A)</b>	0.3 / 3	1.0/0.4	1.0/0.4	1.7/1	1.7/1	
<b>Max. vacuum</b>	670mmHg (89.3kPa) (120millibar) / 650mmHg (86.5kPa) (146millibar)	670mmHg (89.3kPa) (120millibar)	730mmHg (97.3kPa) (40millibar)	650mmHg (86.7kPa) (146millibar)	730mmHg (97.3kPa) (40millibar)	
<b>Vacuum</b>	<b>0mmHg</b>	17 l/min=0.6CFM	34 l/min=1.2CFM	19 l/min=0.67CFM	58 l/min=2.05CFM	33 l/min=1.17CFM
	<b>100mmHg</b>	14 l/min=0.49CFM	31 l/min=1.09CFM	18 l/min=0.64CFM	52 l/min=1.84CFM	30 l/min=1.06CFM
	<b>200mmHg</b>	12 l/min=0.42CFM	29 l/min=1.02CFM	16 l/min=0.57CFM	46 l/min=1.63CFM	27 l/min=0.95CFM
	<b>300mmHg</b>	9.5 l/min=0.34CFM	23 l/min=0.81CFM	14 l/min=0.49CFM	40 l/min=1.41CFM	25 l/min=0.88CFM
	<b>400mmHg</b>	7 l/min=0.25CFM	19 l/min=0.67CFM	11 l/min=0.39CFM	30 l/min=1.06CFM	20 l/min=0.71CFM
	<b>500mmHg</b>	4.5 l/min=0.16CFM	13 l/min=0.46CFM	9 l/min=0.32CFM	16 l/min=0.57CFM	14 l/min=0.49CFM
<b>600mmHg</b>	1.5 l/min=0.05CFM	4 l/min=0.14CFM	6 l/min=0.21CFM	6 l/min=0.21CFM	12 l/min=0.42CFM	
<b>Motor rotation</b>	1450 RPM / 1800 RPM	1450 RPM	1450 RPM	1450 RPM	1450 RPM	
<b>Capacitor</b>	6uf/250V/ 2uf/450V	10uf/250V/ 3uf/450V	10uf/250V/ 3uf/450V	16uf/250V/ 5uf/400V	16uf/250V/ 5uf/400V	
<b>Horse power</b>	1/8HP	1/6HP	1/6HP	1/4HP	1/4HP	
<b>Pole</b>	4P	4P	4P	4P	4P	
<b>Net wet</b>	4.1kg / 3.5	5.2kg	5.2kg	7.6kg	7.6kg	
<b>Gross wet</b>	5.1kg / 4.5	6.2kg	6.2kg	8.6kg	8.6kg	
<b>Port thread</b>	8mm	8mm	8mm	8mm	8mm	
<b>Noise level</b>	50dB	50dB	50dB	52dB	52dB	