

Vacuum Pump

A good quality vacuum pump is an integral tool for complete A/C service. Poly Run vacuum pumps are durable and time tested. They stand up to the most grueling conditions and will provide years of reliable service. Poly Run offers a complete selection of pumps. Regardless of your service requirements, Poly Run has a model for your application.

Poly Run Single stage vacuum design pulls vacuum fast to 20Pa. Advanced two stage design pulls deep vacuum fast to 3Pa. Dual voltage design vacuum pump operations on 115VAC or 220VAC (50 or 60Hz).

VPY Series Single Stage Vacuum Pump



Model		VP0.5Y	VP1Y	VP1.5Y
Flow Rate	220V~/50Hz	1CFM 30L/min	2CFM 60L/min	3CFM 90L/min
	115V~/60Hz	1.2CFM 36L/min	2.4CFM 72L/min	3.6CFM 108L/min
Actual Ultimate Vacuum		20Pa/150Microns	20Pa/150Microns	20Pa/150Microns
Power (HP)		1/6	1/4	1/4
Motor speed (r / min)	220V~/50Hz	1440	1440	1440
	115V~/60Hz	1720	1720	1720
Inlet Port (optional)		1/4"SAE	1/4"SAE	1/4"SAE
oil Capacity (ml)		160	250	200
Dimensions LxWxH (mm)		240x115x230	249x121x230	249x121x230
Weight (kg)		6	7.2	7.5

VPA Series Single Stage Vacuum Pump



Model		VP0.5A	VP1A	VP1.5A	VP2A	VP3A	VP4A	VP5A
Flow Rate	220V~/50Hz	1CFM 30L/min	2CFM 60L/min	3CFM 90L/min	4CFM 120L/min	6CFM 180L/min	8CFM 212L/min	9CFM 260L/min
	115V~/60Hz	1.2CFM 36L/min	2.5 CFM 72 L/min	3.5CFM 108L/min	4.8CFM 144L/min	7.2CFM 216L/min	9.6CFM 255L/min	11CFM 312L/min
Practical Ultimate Vacuum		20Pa 150Microns	20Pa 150Microns	20Pa 150Microns	20Pa 150Microns	20Pa 150Microns	20Pa 150Microns	20Pa 150Microns
Power (HP)		1/6	1/4	1/4	1/3	1/2	1/2	3/4
Motor speed (r / min)	220V~/50Hz	1440	1440	1440	1440	1440	1440	1440
	115V~/60Hz	1720	1720	1720	1720	1720	1720	1720
Inlet Port (optional)		1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE
Oil Capacity (ml)		160	250	200	250	320	700	700
Dimensions LxWxH (mm)		240x115x230	249x121x230	249x121x230	315x125x240	340x135x260	390x145x280	425x155x280
Weight(kg)		6	7.2	7.4	8.8	9.8	15.5	16

VPV Series Dual Voltage Single Stage Vacuum Pump



Model		VP1V	VP1.5V	VP2V	VP3V	VP4V
Flow Rate	220V~/50Hz	2CFM 60L/min	3CFM 90L/min	4CFM 120L/min	6CFM 180L/min	8CFM 240L/min
	115V~/60Hz	2.5CFM 72L/min	3.5CFM 108L/min	4.8CFM 144L/min	7.2CFM 216L/min	9.6CFM 188L/min
Actual Ultimate Vacuum		20Pa 150Microns	20Pa 150Microns	20Pa 150Microns	20Pa 150Microns	20Pa 150Microns
Power (HP)		1/ 6	1/ 4	1/ 3	1/ 2	1/ 2
Motor speed (r / min)	220V~/50Hz	1440	1440	1440	1440	1440
	115V~/60Hz	1720	1720	1720	1720	1720
Inlet Port (optional)		1/4"SAE&1/2"ACME	1/4"SAE&1/2"ACME	1/4"SAE&1/2"ACME	1/4"SAE&1/2"ACME	1/4"SAE&1/2"ACME
Oil Capacity (ml)		250	200	250	320	700
Dimensions LxWxH (mm)		249x121x230	249x121x230	315x125x240	340x135x260	390x145x280
Weight(kg)		7.2	7.4	8.8	9.8	15.5

VPR Series New Refrigerant Single Stage Vacuum Pump

Equipped with high quality solenoid valve to prevent oil backflow into the system when the pump is turned off , or during a power failure. Especially for R-407C,R-410a etc

Model	VP0.5R	VP1R	VP1.5R	VP2R	VP3R	VP4R	VP5R
Specification	Same as VPA Series single stage vacuum pump						



VPR Series

VPM Series Portable Two Stage Vacuum Pump

Model		VP215M
Flow Rate (cfm)	220V~/50Hz	1.5CFM 42L/min
	115V~/60Hz	1.8CFM 50L/min
Practical Ultimate Vacuum		3Pa 25Microns
Power (HP)		1/ 4
Inlet Port (optional)		1/4"SAE
Oil Capacity (ml)		150
Dimensions LxWxH (mm)		250x90x210
Weight(kg)		4.5



VP215M

VP Series Two Stage Vacuum Pump



Model		VP215	VP225	VP235	VP245	VP260	VP280	VP2100
Flow Rate	220V~/50Hz	1.5 CFM 42 L/min	2.5 CFM 70 L/min	3.5 CFM 100 L/min	4.5 CFM 128 L/min	6 CFM 170 L/min	8 CFM 226 L/min	10 CFM 283 L/min
	115V~/60Hz	1.8 CFM 50 L/min	3 CFM 84 L/min	4 CFM 114 L/min	5 CFM 142 L/min	7 CFM 198 L/min	9 CFM 254 L/min	12 CFM 340 L/min
Practical Ultimate Vacuum		3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns
Power (HP)		1/4	1/3	1/3	1/2	3/4	1	1
Motor speed (r / min)	220V~/50Hz	2800	2800	2800	2800	2800	2800	2800
	115V~/60Hz	3400	3400	3400	3400	3400	3400	3400
Inlet Port (optional)		1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE
Oil Capacity (ml)		180	280	360	350	700	600	600
Dimensions (mm)		270x119x216	278x119x216	320x134x232	320x134x232	370x140x250	370x140x250	390x140x250
Weight(kg)		6.5	7	11.2	12	15	15.5	16

VPD Series Dual Voltage Two Stage Vacuum Pump



Model		VP215D	VP225D	VP235D	VP245D	VP260D	VP280D	VP2100D
Flow Rate	220V~/50Hz	1.5 CFM 42 L/min	2.5 CFM 70 L/min	3.5 CFM 100 L/min	4.5 CFM 128 L/min	6 CFM 170 L/min	8 CFM 226 L/min	10 CFM 283 L/min
	115V~/60Hz	1.8 CFM 50 L/min	3 CFM 84 L/min	4 CFM 114 L/min	5 CFM 142 L/min	7 CFM 198 L/min	9 CFM 254 L/min	12 CFM 340 L/min
Practical Ultimate Vacuum		3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns	3Pa 25Microns
Power (HP)		1/4	1/3	1/3	1/2	3/4	1	1
Motor speed (r / min)	220V~/50Hz	2800	2800	2800	2800	2800	2800	2800
	115V~/60Hz	3400	3400	3400	3400	3400	3400	3400
Inlet Port (optional)		1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE	1/4"SAE&3/8"SAE
Oil Capacity (ml)		180	280	360	350	700	600	700
Dimensions (mm)		270x119x216	278x119x216	320x134x232	320x134x232	370x140x250	370x140x250	390x140x250
Weight(kg)		6	7	11.2	11.8	15	15.5	16

VP2R Series New Refrigerant Two Stage Vacuum Pump

Equipped with high quality solenoid valve to prevents oil backflow into the system when the pump is turned off , or during a power failure. Especially for R407C,R410a etc

Model	VP215R	VP225R	VP235R	VP245R	VP260R	VP280R	VP2100R
Specification	Same as VP Series two stage vacuum pump						

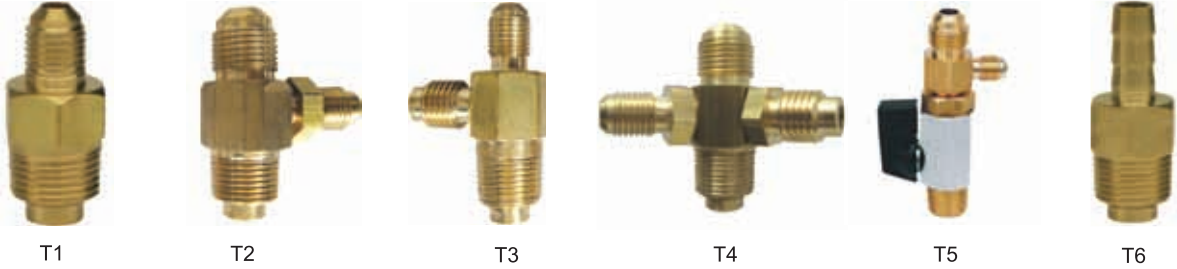


Gas Ballast Valve Optional

To evacuate condensable, especially for two stage vacuum pump.



Intake Port Optional



Model	Description	Model	Description	Model	Description
T1	1/4"SAE	T2	1/4"SAE & 3/8" SAE	T3	1/4"SAE & 1/2" ACME
T4	1/4"SAE & 3/8"SAE & 1/2"ACME	T5	1/4"SAE with Shut-off Valve	T6	Ø6 / Ø9 / Ø12

Vacuum Gauge & Solenoid Valve Optional



Model	Description	Model	Description
P1	Ø 50 Vacuum Gauge	P5	Solenoid Valve for single stage vacuum pump
P2	Ø 63 Vacuum Gauge	P6	Solenoid Valve for single stage vacuum pump
P3	Ø 80 Vacuum Gauge	P7	Solenoid Valve for two stage vacuum pump
P4	1/4"SAE Ø 50 Vacuum Gauge		

VRD Series Industrial Two Stage Vacuum Pump

Excellent performance

1. Internal automatic anti – suckback design, protect your system from liquid / vaporized oil when the pump stops
2. Built – in oil cycling system provides better lubrication, air tightness and stable running.
3. Adjustable gas ballast design provides better water vapor disposal ability

Features

1. Poly Run VRD series products adopt integrated cylinder structure, which ensures the cylinder precision and the least deformation impact on the vacuum pump. Meanwhile, with arc design for interface tangent point, the ultimate pressure is stabilized lower than 4×10^{-2} Pa
2. Built-in oil pump cycling system forced – lubricates the pump cavity, The pump can work long when the input pressure is at atmospheric pressure.

Application

1. Semi – conductor Coating Machine, Semi – conductor Packaging Machine
2. Analytical Instrument, Vacuum Drying Machine, Freeze – drying Machine
3. Vacuum Leakage Testing, Material Preparation Machine, Material Purifying Machine

to meet the demand of different industries.

4. Integrated cylinder structure design ,more suitable to industrial production lines.
5. Global – serving idea, we produce vacuum pumps with all kinds of power supplies throughout the world

3. Internal automatic anti – suckback valve prevents oil returning when the pump stops an ensures the purity of the system
4. Adjustable gas ballast design ensures high enduring capability of water vapor and can evacuate condensable gases.
5. Large cooling fin, low operating temperature

4. Fine Chemistry Facility
5. Vacuum Oven, Nano Material Manufacturing Machine
6. Biological Industry and Pharmacy Industry
7. Food Packaging, Medicine Packaging, Material Vacuuming and Inert Gases Packaging



Model		VRD-2	VRD-4	VRD-8	VRD-16	VRD-24	VRD-30	
Displacement speed m ³ /h (L/s)		50HZ	2 (0.5)	4 (1.1)	8 (2.2)	16 (4.4)	24 (6.6)	30 (8.3)
		60HZ	2.4 (0.6)	4.8 (1.3)	9.6 (2.6)	19.2 (5.3)	28.8 (8.0)	36 (10.0)
Ultimate pressure (Pa)	Without gas ballast	Partial pressure	5×10^{-2}	5×10^{-2}	5×10^{-2}	4×10^{-2}	4×10^{-2}	4×10^{-2}
		Total pressure	5×10^{-1}	5×10^{-1}	5×10^{-1}	3×10^{-1}	3×10^{-1}	3×10^{-1}
	With gas ballast	Total pressure	8×10^{-1}	8×10^{-1}	8×10^{-1}	8×10^{-1}	8×10^{-1}	8×10^{-1}
Power supply		1-ph	1-ph	1-ph / 3-ph	1-ph / 3-ph	1-ph / 3-ph	1-ph / 3-ph	
Power (KW)		0.18	0.55	0.55 / 0.37	0.75 / 0.55	1.1 / 0.75	1.1	
Inlet and outlet port DN (mm)		16 KF	16 KF	16 KF	25 KF	25 KF	25 / 40 KF	
Oil capacity (L)		0.17-0.22	0.6~0.8	0.6~0.8	0.9~1.5	1.3~2.0	1.3~2.0	
Motor speed (rpm)		50HZ	1440	1440	1440	1440	1440	
		60HZ	1720	1720	1720	1720	1720	
Ambient temperature (°C)		5~40	10~40	10~40	10~40	10~40	10~40	
Noise level dB (A)		≤56	≤56	≤56	≤58	≤58	≤58	
Type of protection (IP)		44	44	44	44	44	44	
Weight (kg)		8.5	20	32	32	35	43	