

PRO-SET® VACUUM PUMPS

Pro-Set has the product line breadth and depth to suit just about any HVAC/R job or fit any job site requirement you might have.

Pumps are offered in a variety of single and dual stage models with numerous voltage, horsepower and free air displacement (CFM) options,



FEATURES

- All models are for use with class A1 (non-toxic, non-flammable), class A2 (non-toxic, low-flammable) refrigerants
- Oil filled rotary vacuum pump cartridge construction
- Air cooled, thermally protected motors encased in a durable aluminum housing
- Large oil-fill port with proprietary, mist-free exhaust cap
- Easily accessible oil drain port
- Large oil sight glass
- Multiple SAE and ACME intake fittings with check valve
- On/Off power switch
- Rubber lined handle, skid resistant rubber feet
- Gas ballast valve

TWO STAGE VACUUM PUMP SPECIFICATIONS

	VP2D	VP2DE	VP4D	VP4DE	VP6D	VP6DE	VPS6DE	VPS6DU	VP8DE	VP10D	VPS12DU	VP15W
Stage	2		2		2				2	2	2	2
Ultimate Vacuum	10 Microns								25 Microns			
Refrigerant Class	A1, A2						A1, A2, A3		A1, A2	A1, A2	A1, A2, A3	A1, A2, A3
Ignition Proof	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓
Dimensions (Inches)	12.2" x 5" x 9.6"		13.1" x 5.5" x 10"						14.9" x 5.7" x 10.6"			15" x 6" x 11"
Weight	17.7 lb (8.0 kg)		22.1 lb (10.0 kg)		22.5 lb (10.2 kg)			29.8 lb (13.5 kg)	30.3 lb (13.7 kg)	30.9 lb (14.0 kg)	26.0 lb (11.7 kg)	
Free Air Displacement	2 CFM @ 60Hz (48 l/m @ 50Hz)		4 CFM @ 60Hz (96 l/m @ 50Hz)		6 CFM @ 60 Hz (144 l/m @ 50 Hz)			8 CFM @ 60 Hz (192 l/m @ 50 Hz)	10 CFM @ 60Hz (240 l/m @ 50Hz)	12 CFM @ 60Hz (288 l/m @ 50Hz)	15 CFM	
Motor Size (HP), RPM @ 50/60Hz	1/3 HP (1440, 1720 RPM)		1/2 HP (2880, 3440 RPM)						2/3 HP (2880, 3440 RPM)	3/4 HP (2880, 3440 RPM)	1 HP (2880, 3440 RPM)	1 HP (4200 RPM Max)
Voltage	110-120V Or 220-240V @ 50/60Hz	220-240V, 50 Hz	110-120V Or 220-240V @ 50/60Hz	220-240V, 50 Hz	110-120V Or 220-240V @ 50/60Hz	220-240V, 50 Hz		115V 60Hz	220-240V, 50 Hz	220-240V, 50 Hz	115V 60Hz	100-120VAC 50/60 Hz
Power Cord Connection to Pump	Universal IEC Socket & Voltage Selector Switch	Universal IEC Socket	Universal IEC Socket & Voltage Selector Switch	Universal IEC Socket	Universal IEC Socket & Voltage Selector Switch	Universal IEC Socket	Hard Wired Schuko Plug	Hard Wired	Universal IEC Socket	Universal IEC Socket, Voltage Selector Switch	Hard wired	10 ft. NEMA 5-15 plug
On/Off Power Switch	Yes						Yes (Ignition-proof sealed starting components)		Yes	Yes (Ignition-proof sealed starting components)		
Operating Temperature Range	32°F to 125°F (0°C to 52°C)								32°F to 125°F (0°C to 52°C)			
Pro-Set® Vacuum Pump Oil Capacity	11.5 oz (330 ml)		15.5 oz (450 ml)		16 oz (470 ml)			29 oz (860 ml)	28 oz (830 ml)	27 oz (800 ml)		
Gas Ballast Valve	Yes								Yes			
Intake Fittings	SAE: 1/4", 3/8", ACME: 1/2"						SAE 1/4", 3/8", 1/2"		SAE 1/4", 3/8", 1/2"			SAE 1/4", 3/8"
Warranty (Years)	2	1	2	1	2	1		1	2	1	1	

LEGEND

VP= Vacuum Pump; C= Compact; 2,4,6 = CFM; S= Single Stage;

VOLTAGE: E= 220-240VAC 50 Hz; U = 115VAC, 50/60 Hz.

DUAL VOLTAGE = 110-120VAC or 220-240VAC 50/60 Hz.

REFRIGERANT CLASSES: A1 (lower toxicity, non-flammable); A2 (lower toxicity, flammable); A3 (lower toxicity, higher flammability)



● PRO-SET® TWO STAGE VACUUM PUMPS

Pro-Set dual stage vacuum pumps are your premium solution for obtaining the deepest ultimate vacuum (10 to 25 microns, depending on model), the greatest range of horsepower (1/3 to 1) and free air displacement (from 2 CFM to 12 CFM) within the Pro-Set line. These pumps also include a gas ballast valve which speeds attainment of deep vacuum and are offered in both single and dual voltage models. All models are for use with Class A1 (non-toxic, non-flammable) and A2 (non-toxic, low flammable) refrigerants. The VPS Series with its sealed components is also for use with Class A3 (non-toxic, explosive) refrigerants and ammonia systems

● PRO-SET® SINGLE STAGE VACUUM PUMPS

Pro-Set single stage standard size vacuum pumps provide a deep vacuum (down to 50 microns), with horsepower ratings from 1/3 to 1, and free air displacement from 2 CFM to 12 CFM. These pumps include a gas ballast valve and are offered in both single and dual voltage and have a voltage selector switch.

● PRO-SET® SINGLE STAGE COMPACT VACUUM PUMPS

The Pro-Set line of dual or single stage compact vacuum pumps provide an ultimate vacuum ranging from 15 to 100 microns, horsepower ratings from 1/5 to 1/4, and free air displacement from 2 CFM to 4 CFM. These pumps offer dedicated 115VAC operation and are hardwired with NEMA 115VAC plugs. Best of all, these pumps feature some of the smallest, lightest and most compact aluminum housings in the industry.

	SINGLE STAGE VACUUM PUMP SPECIFICATIONS (Standard Size)			SINGLE STAGE VACUUM PUMP SPECIFICATIONS (Compact Size)	
	VP2S	VP4S	VP6S	VPC2SU	VPC4SU
Stage	1			1	
Ultimate Vacuum	50 Microns			100 Microns	
Refrigerant Class	A1, A2			A1, A2	
Ignition Proof	X	X	X	X	X
Dimensions (Inches)	12.2" x 5" x 9.6"		13.1" x 5.5" x 10"	9.1" x 4.5" x 8.0"	11.3" x 4.5" x 8.0"
Weight	13.7 lb (6.2 kg)	15.0 lb (6.8 kg)	18.3 lb (8.3 kg)	9.3 lb (4.2 kg)	11.0 lb (5 kg)
Free Air Displacement	2 CFM @ 60Hz (48 l/m @ 50Hz)	4 CFM @ 60Hz (96 l/m @ 50Hz)	6 CFM @ 60 Hz (144 l/m @ 50 Hz)	2 CFM @ 60Hz (48 l/m @ 50Hz)	4 CFM @ 60 Hz (96 l/m @ 50 Hz)
Motor Size (HP), RPM @ 50/60Hz	1/4 HP (1440 1720 RPM)	1/3 (HP) 2880/3440	1/2 HP (2880, 3440 RPM)	1/5 HP (2880, 3440 RPM)	1/4 HP (2880, 3440 RPM)
Voltage	Dual (110-120V Or 220-240V @ 50/60Hz)			115V @ 60 Hz	115V @ 60 Hz
Power Cord Connection to Pump	Universal IEC Socket, Voltage Selector Switch, Nema 15 Plug			Hardwired, Nema 115V Plug	Hardwired, Nema 115V Plug
On/Off Power Switch	Yes			Yes	
Operating Temperature Range	32°F to 125°F (0°C to 52°C)			32°F to 125°F (0°C to 52°C)	
Pro-Set® Vacuum Pump Oil Capacity	16 oz (470 ml)		19 oz (540 ml)	9 oz (250 ml)	10 oz (300 ml)
Gas Ballast Valve	No			No	
Intake Fittings	SAE: 1/4" & 3/8", ACME: 1/2"			SAE: 1/4", ACME: 1/2"	
Warranty (Years)	2			1	

LEGEND

VP= Vacuum Pump; C= Compact; 2,4,6 = CFM; S= Single Stage;

VOLTAGE: E= 220-240VAC 50 Hz; U = 115VAC, 50/60 Hz.

DUAL VOLTAGE = 110-120VAC or 220-240VAC 50/60 Hz.

REFRIGERANT CLASSES: A1 (lower toxicity, non-flammable); A2 (lower toxicity, flammable); A3 (lower toxicity, higher flammability)





FEATURES AND BENEFITS:

- 2 stage, variable speed, brushless, 1 HP DC motor for deeper ultimate vacuum, greater efficiency, lighter weight and longer pump life
- Conventional or wireless operation with automatic evacuation (when paired to a mobile device with CPS Link and paired to CPS VG200W Wireless Vacuum Gauge)
- Ignition proof design for safe operation using Class A1, A2, A2L, A3 & Ammonia
- Solenoid valve control inlet port prevents oil siphoning, allows for automatic vacuum
- Gas ballast valve reduces moisture level in oil and extends oil life
- Performance verification
- Designed by CPS Products, Inc in USA

SMART FEATURES:

- Built-in solenoid valve for automatic operation
- Set test parameters for your specific needs
- Convenient, remote monitoring and/or operation from your mobile device for long evacuations up to 150 ft. (46m) away (line of sight)
- Log and store job data, and e-mail or export job files for paperless reference
- Geotag feature identifies where and when work performed
- Multi-language; Select from English, Spanish, French or German



Gas Ballast Valve



Hoist Feature



Built-in Solenoid

VP15W WIRELESS VACUUM PUMP

The VP15W is the world’s first wireless vacuum pump with an integral solenoid and ignition proof starting components. Weighing just 19.5lbs and built around a lightweight, variable speed DC motor, the VP15W is designed for efficient and safe operation. It can be paired to a mobile device running the CPS Link app to automate service routines.

Fast and easy to use

Variable speed, high torque DC motor for ramp up starts and a built-in solenoid for programmable evacuation routines. At 26 lbs, lightest weight in its category for easy transport to jobsites.

Safe to operate

Ignition proof starting components provide safe jobsite start up.

Instantly share a job snap-shot

The CPS Link app automatically logs jobsite readings for instant e-mailing to clients, home office, others

SPECIFICATIONS

Stage	2
Ultimate Vacuum	20 Microns
Refrigerant Class	A1, A2, A2L, A3
Dimensions (Inches)	15" x 6" x 11"
Weight	26.0 lb (11.7 kg)
Maximum Free Air Displacement	15 CFM
Motor Size (HP), RPM @ 50/60Hz	1 HP (4200 RPM Max)
Voltage	100-120VAC 50/60Hz
Power Cord Connection to Pump	Hard Wired Nema 5-15 Plug 10 Ft (3 m)
Ignition Proof Construction	Meets ANSI 12.12.1
Operating Temperature Range	32°F to 125°F (0°C to 52°C)
Vacuum Pump Oil Capacity	27 Oz (800 ml)
Intake Fittings	1/4" & 3/8" SAE Male
Agency Approvals	CE, FCC, TUV, ICES-003
Warranty (Years)	1

WHEN PAIRED TO A MOBILE DEVICE

Wireless Communication	Bluetooth
Wireless Transmission Range	150 Ft (45.7m) Direct Line Of Sight
View, Log Or Export Files	Vacuum Level, Total Run Time, Run Time Since Last Oil Change, On/Off Cycles, RPM, Watts
Integrate Other CPS Wireless Devices Into Service Routine	VG200W (Wireless Vacuum Gauge) to Automate Vacuum Procedures
Geotag Feature	Time, Date, Location