

PRO-SET® VACUUM PUMPS

FEATURES

- Models are for use with class A1 (non-toxic, non-flammable), class A2 (non-toxic, low-flammable) or A3 (lower toxicity, higher flammability) as indicated below.
- 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

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.



TWO STAGE VACUUM PUMP SPECIFICATIONS

	VP2D	VP2DE	VP4D	VP4DE	VP6D	VP6DE	VPS6DE	VPS6DU	VP8D	VP8DE	VP10D	VP12D	VPS12DU	
Stage	2													
Ultimate Vacuum	10 Microns						25 Microns							
Refrigerant Class	A1, A2						A1, A2, A3		A1, A2	A1	A1	A1, A2	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"					
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)		
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)		
Motor Size (HP), RPM @ 50/60Hz	1/2 HP (1440, 1720 RPM)		1/2 HP (2880, 3440 RPM)						2/3 HP (2880, 3440 RPM)		1 HP (2880, 3440 RPM)			
Voltage	110-120V Or 220-240V @ 50/60Hz		110-120V Or 220-240V @ 50/60Hz		110-120V Or 220-240V @ 50/60Hz		220-240V, 50 Hz		115V 60Hz	110-120V Or 220-240V @ 50/60Hz		110-120V Or 220-240V @ 50/60Hz		115V 60Hz
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 & Voltage Selector Switch	Universal IEC Socket	Universal IEC Socket, Voltage Selector Switch		Hard wired	
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"				
Warranty (Years)	2	1	2	1	2	1	1	1	1	2	2	1		

LEGEND

VP= Vacuum Pump; 2,4,6= CFM;

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	VPC2DU	VPC2SU	VPC4SU
Stage	1			2	1	
Ultimate Vacuum	50 Microns			> 15 Microns	100 Microns	
Refrigerant Class	A1			A1		
Ignition Proof	X	X	X	X	X	X
Dimensions (Inches)	12.2" x 5" x 9.6"		13.1" x 5.5" x 10"	11.3" x 4.5" x 8"	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)	12.1 lb (5.5 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)

