

# Pumps

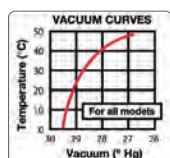


## Electrical Aspirator Pump

Portable dual-channel, water-jet aspirator pump.

VE-11 creates a vacuum using an aspirator pump that is dependent on the vapor pressure of water, a function of temperature.

Ideal for rotary vacuum evaporators, decompressing distillatories, vacuum dryers, and vacuum filtering units.



**VE-11**  
with optional vacuum gauge / regulator

### Features

- Built-in circulating pump and water tank makes this unit portable and eliminates water waste.
- Circulating pump continuously forces water quietly across a set of aspirators, and therefore clean and efficient.
- Included (2) metal aspirators to create a vacuum with a built-in check valve to prevent backflow of water into the aspirator pump.
- Submerged parts: 304 stainless steel, polypropylene silicone, and nickel-coated brass.
- Tank features a drain port and spigot for easy water changes.
- Unlike other vacuum pumps the VE-11 can suck a little bit of solvent. (water)

### Included Accessories

- Tank / Aspirating pump / Tank closure.
- Two aspirators.
- Two  $\varnothing 6\text{mm}$  (0.02") silicone rubber tube 20cm (0.7 ft) in length and an additional  $\varnothing 6\text{mm}$  (0.02") silicone rubber tube 100cm (3.3 ft) in length.

### Specifications & Ordering Information



Model		VE-11
Bath Volume (L / cu ft)		9.5 / 0.3
Max. Vacuum (Mpa / Hg)		0.0998 / 29.5"
Free-air Capacity		18L / minute (0.6 cfm) x2ea
Material	Bath	Polypropylene
	Aspirator	Nickel-coated Brass x2ea
Dimension	Bath Internal (WxL, D) (mm / inch)	298x210, 227 / 11.7x8.3, 8.9
	Overall (WxLxH) (mm / inch)	330x265x390 / 13x10.4x15.4
	Inhale Nozzle	external $\varnothing 9.5\text{mm}$ (0.4") x2ea
	Drain Cook, Over Flow Nozzle (mm / inch)	$\varnothing 17 / 0.7$
	Net Weight (kg / lbs)	5.7 / 12.6
Electrical Requirements		230V / 50,60Hz / 0.7A
Cat. No.		AAH71015K
		120V / 50,60Hz / 1.4A
		AAH71016U

### Optional Accessories

- Vacuum gauge / regulator: to monitor and control the vacuum pressure.  
(between 0.0267~0.0998MPa / 7.9~29.5" Hg)
- Cooling coil: to prevent vacuum from decreasing due to temperature increase.

Description	Cat. No.
Vacuum Gauge / Regulator	AAA71531
Cooling Coil	AAH71501
Aspirator	AAH71121



Cooling Coil



Aspirators

## Rotary Vacuum Pump

### Features

- Rotary vacuum pump equipped with direct connect oil seal prevents air reflux, essentially used with vacuum ovens to achieve a higher level of vacuum pressure.
- Oil mist trap, an optional feature, prevents oil in-flow.

### Specifications & Ordering Information

Model	MVP - 6	
	60 Hz	50 Hz
Pumping Speed (L / min)	100	80
Max. Pressure (Pa)	6.7×10 <sup>-2</sup>	
Motor Power (W)	400	
Motor Speed (rpm)	1750	1450
Recommended Oil (L)	1.1	
Inlet / Outlet Port (DN)	25KF	
Net Weight (Kg / lbs)	22.5 (49.6lb)	
Electrical Requirement	230V	
Cat. No.	BEH73005K	



### Optional Accessories

Model	Electrical Requirement	Cat. No.
MVP-6	Oil Mist Trap	BEH73501

### MVP-6 Rotary Vacuum Pump

- Optional Accessories
- Oil Mist Traps (TMF-12)