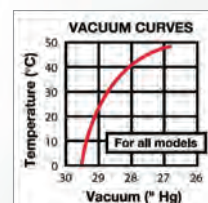


# Pumps

Select the optimum model between two different types of pump.

Both are suitable for rotary vacuum evaporation, decompression distillation, and vacuum filtering. Especially rotary vacuum pump provides more powerful pumping ideal for vacuum drying.



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



**W2V-10**

# Electrical Aspirator Pump



- Portable dual-channel water-jet aspirator pumps
  - Creating a vacuum by means of venturi effect, aspirator pumps are suitable for rotary vacuum evaporation, decompression distillation, vacuum drying, and vacuum filtering.
- Built-in circulating pump and water tank make the unit portable.
- Circulating pump continuously pumps water quietly across a set of aspirators, and is therefore clean and efficient.
- Built-in check valve prevents backflow of water into the aspirator pump.
- Corrosion-resistant construction of all wetted parts with 304 stainless steel, polypropylene, silicone, or nickel-coated brass.
- Water tank features a drain port and a spigot for easy changing of water.

## Accessories & Options

- Vacuum gauge with 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.



Cooling coil

Aspirators

Cat. No.	Description
AAA71531	Vacuum gauge with regulator
AAA71501	Cooling coil
00EFA0009111	Aspirator (1ea)
AAH71122	Aspirator (10ea)

Model	VE-11		
Bath volume (L / cu ft)	9.5 / 0.3		
Max. vacuum (Mpa / mmHg)	0.0998 / 680		
Free-air capacity	18L / minute (0.6 cfm) x 2ea		
Material (bath / aspirator)	Polypropylene / Nickel-coated brass x 2ea		
Bath interior (W x L , D) (mm / inch)	298 x 210, 227 / 11.7 x 8.3 ,8.9		
Exterior (W x L x H) (mm / inch)	330 x 265 x 390 / 13 x 10.4 x 15.4		
Inhale nozzle	External Ø9.5 mm (0.4") x 2ea		
Drain cock, Over flow nozzle (Ø, mm / inch)	17 / 0.7		
Net weight (kg / lbs)	5.7 / 12.6		
Electrical requirements	230V, 50Hz / 0.7A	230V, 60Hz / 0.7A	120V, 60Hz / 1.4A
Cat. No.	AAH71015K	AAH71011K	AAH71016U

# Rotary Vacuum Pump



- 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.

## Accessories & Options

Cat. No.	Model	Suitable for
BEA700351	Oil Mist Trap, WOF-150 (PC)	W2V-10 / 20 / 40
BEA700355	Oil Mist Trap WOF-150 (Metal)	W2V-10 / 20 / 40
BEA700352	Oil Mist Trap (PA)	W2V-60
BEA700353	Vacuum Pump Oil (1L)	All
BEA700354	Vacuum Pump Oil (20L)	All

Model	W2V-10	W2V-20	W2V-40	W2V-60
Pumping speed (L/min, gal/min)	100 / 26.4	200 / 52.8	400 / 105.7	600 / 158.5
Ultimate pressure (closed, Pa)	≤1.3 x 10 <sup>-1</sup> (1 x 10 <sup>-3</sup> Torr)			
Motor power (W / Hp)	400 / 0.5	400 / 0.5	750 / 1.0	1500 / 2.0
Motor speed (rpm)	1700			
Recommended oil (cc, L)	500 / 0.5	600 / 0.6	1500 / 1.5	2300 / 2.3
Inlet port (DN)	NW25			NW40 / 25
Outlet port (DN)	NW25			NW40 / 25
Weight (kg / lbs)	22.5 / 49.6	23.3 / 51.4	34.8 / 76.7	53.5 / 118.0
Dimensions (W x D x H, mm / inch)	170 x 454 x 253 / 6.7 x 17.9 x 10.0	170 x 479 x 253 / 6.7 x 18.9 x 10.0	210 x 543 x 288 / 8.3 x 21.4 x 11.3	210 x 576 x 288 / 8.3 x 22.7 x 11.3
Electrical requirements (230V)	50/60Hz			
Cat. No.	BEH73205K	BEH73215K	BEH73225K	BEH73235K