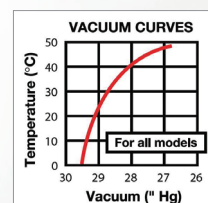


Pumps

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



W2V10

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) | 0.0906 / 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, 60Hz / 0.7A | 230V, 50Hz / 0.7A | 120V, 60Hz / 1.4A |
| Cat. No. | AAH71011K | AAH71015K | 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) | W2V10 / 20 / 40 |
| BEA700355 | Oil Mist Trap WOF-150 (Metal) | W2V10 / 20 / 40 |
| BEA700352 | Oil Mist Trap (PA) | W2V60 |
| 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 ⁻¹ (1 x 10 ⁻³ 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 |