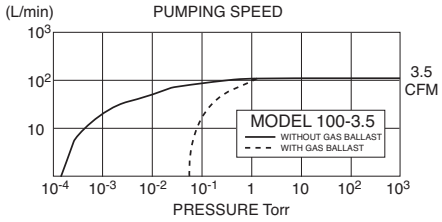
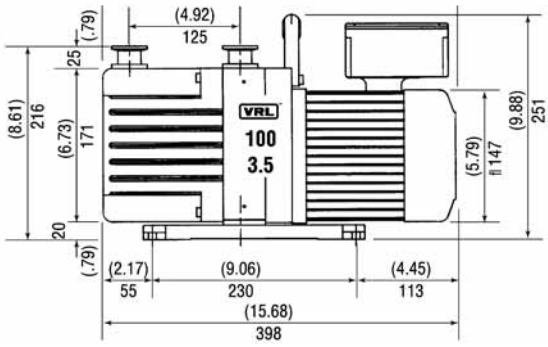
100 l/min • 3.5 CFM • 6 m³/hr. Two Stage Rotary Vane Vacuum Pump

Photo shows Pump with optional inlet trap and exhaust mist eliminator installed. See page 16 to order these accessories. Power on/off switch, resettable circuit breaker and line cord are standard on pumps shipped with single phase motors.



Pumping Speed @ 60 Hz	100 l/min, 3.5 CFM, 6 m³/hr.
Pumping Speed @ 50 Hz	83 l/min, 3 CFM, 5 m³/hr.
Ultimate Pressure Gas Ballast Closed	$5x10^{-4}$ Torr, $6.7x10^{-2}$ Pa, .0006 mbar
Ultimate Pressure Gas Ballast Open	$5x10^{-2}$ Torr, 6.7 Pascal, .06 mbar
Standard Motor, On/Off Switch, Circuit Breaker, & Thermal Protection CE Mark, complies with	115/208-230V, 1ø, 1/2 hp, 60 Hz (50Hz Avail) Machinery Directive 98/37/EC
Optional Motors	See ordering information
Power Connection	6 ft. (2 m) 3 conductor cord
Motor speed @ 60 Hz	1700 r.p.m.
Noise Level	50 dB
Water Vapor Tolerance	25 mbar, 19 Torr
Oil capacity	500 cc; 0.53 Qt.
Weight Net: 50 lbs., 23 kg	Shipping: 54 lbs., 24 kg
Intake & exhaust type/diameter	NW-25 standard (NW-16 or 26 mm O.D. Tube optional)
Ambient operating temperature	7° to 40°C, 45° to 104°F



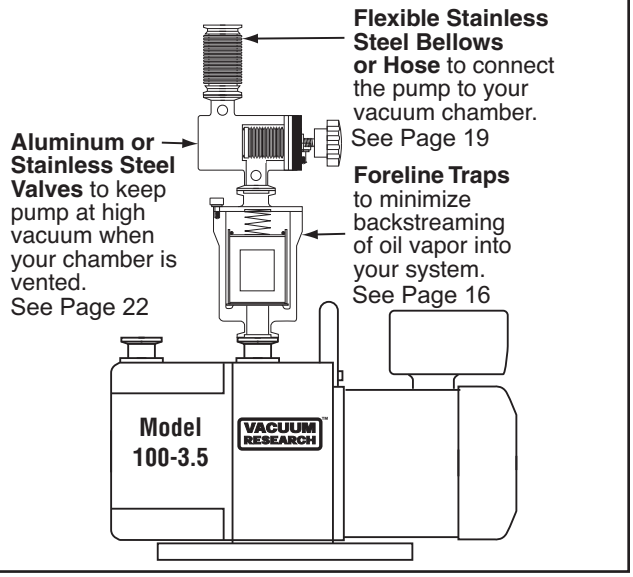
Features

- Extremely Quiet • Anti Suck Back Design
- Satisfaction Guaranteed • Two Year Warranty
- Virtually Vibration Free • Motors for Any Voltage
- Complies with Machinery Directive 98/37/EC

Applications

- Backing Turbo Pumps • Electron Microscopes
- Vacuum Ovens & Furnaces • Freeze Dryers
- Cluster Tool Load Locks • Sputter & Deposition Systems

Typical Installation



Ordering Information

MODEL 100-3.5 Vacuum Pump With Motor:

Note: Tolerance is ± 10% of nominal value for all voltages.

115 or 208 to 230V, 60 Hz, 1ø, 0.4 kw (1/2 hp)
Full load amps: 8.5 or 4.5 to 4.0 amps
p/n 100-115/230-60 or 100-115/230-60-NW16 . . . . . **$1685.**

115 or 230V, 50 or 60 Hz, 1ø, 0.4 kw (1/2 hp)
Full load amps @ 50 Hz; 8.8 or 4.4 A @ 60 Hz; 7.2 or 3.6 A
p/n 100-115/230-50/60 or 100-115/230-50/60-NW16 . . . . . **$1685.**

230 or 380V, 50 or 60 Hz, 3ø, 0.4 kw (1/2 hp)
Full load current: 1.82 or 1.3 A
p/n 100-OPT-380-50/60 or 100-OPT-380-50/60-NW16 . . . . . **$1685.**

230 or 460V, 60 Hz, 3ø, 0.4 kw (1/2 hp) Full load current: 1.8 or 0.9 A
p/n 100-230-/460-60 or 100-230-/460-60-NW16 . . . . . **$1685.**

Exhaust Mist Eliminators . . . . . **See Page 16**

Optional NW-16 Inlet & Outlet . . . . . **$50.**

Fomblin: For pumps filled with Fomblin PFPE fluid add to p/n **"Fomblin"** and increase the price to . . . . . **$2045.**

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