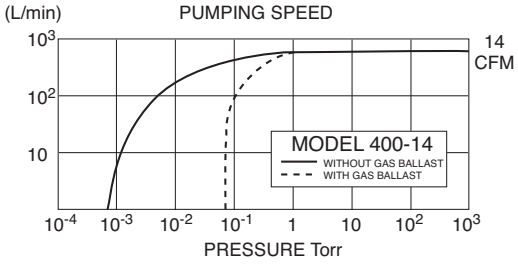
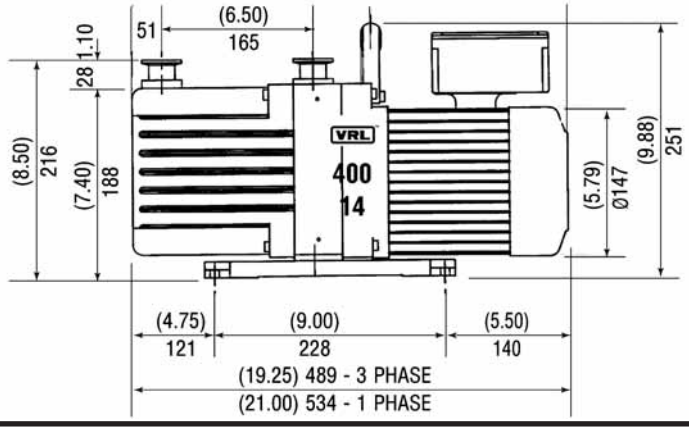
400 l/min • 14 CFM • 24 m³/hr. Two Stage Rotary Vane Vacuum Pump

Photo shows Pump with optional inlet trap and exhaust mist eliminator installed. See page 16 to order these accessories.



Pumping Speed @ 60 Hz	400 l/min, 14 CFM, 24 m³/hr.
Pumping Speed @ 50 Hz	333 l/min, 11.6 CFM, 20 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	115/230V, 50/60 Hz, 1 hp
CE Mark, complies with	Machinery Directive 98/37/EC
Power Connection	Junction Box
Motor speed @ 60 Hz	1700 r.p.m.
Noise Level	52 dB
Water Vapor Tolerance	30 mbar, 22 Torr
Oil capacity	1500 cc; 1.5 Qt.
Weight Net: 70 lbs., 32 kg	Shipping: 75 lbs., 34 kg
Intake & exhaust type or diameter	NW-25 or 26 mm O.D. Tube
Ambient operating temperature	7° to 40°C, 45° to 104°F



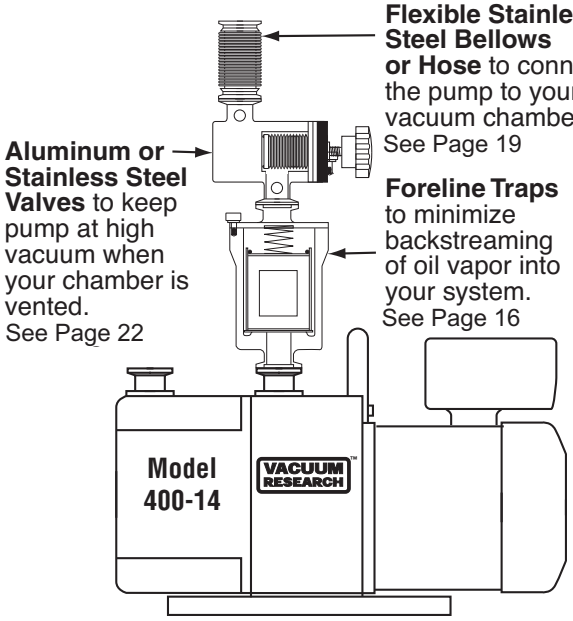
Features

- 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 400-14 Vacuum Pump With Motor:

Note: Tolerance is ± 10% of nominal value for all voltages.
115 or 230V, 50 or 60 Hz, 1ø, 0.75 kw (1 hp)
Full load amps @50 Hz; 14.7 or 8.5 A @ 60 Hz; 13 or 7.5 A
p/n 400-115/230-50/60 . . . . . **$2355.**

220 or 380V, 50 or 60 Hz, 3ø, 0.75 kw (1 hp)
Full load current: @ 50 Hz; 3.6 or 2.1 A
@60 Hz; 3.1 or 1.8 A
p/n 400-OPT-380-50/60 . . . . . **$2355.**

230 or 460V, 60 Hz, 3ø, 0.75 kw (1 hp) Full load current: 3.2 or 1.6 A
p/n 400-230/460-60 . . . . . **$2355.**

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

Fomblin: For pumps filled with Fomblin PFPE fluid add to p/n **"Fomblin"** and increase the price to . . . . . **$3295.**

Vacuum Research Corp. • 2419 Smallman Street • Pittsburgh, PA 15222 USA • www.vacuumresearch.com
Phone: 800-426-9340 • 412-261-7630 • FAX: 412-261-7220 • e-mail: VRC@vacuumresearch.com