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

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
Flexible Stainless Steel Bellows or Hose to connect the pump to your vacuum chamber. See Page 19
Foreline Traps to minimize backstreaming of oil vapor into your system. See Page 15

Pumping Speed @ 60 Hz 400 l/min, 14 CFM, 6 m³/hr.
Pumping Speed @ 50 Hz 333 l/min, 11.6 CFM, 5 m³/hr.
Ultimate Pressure Gas Ballast Closed \(5 \times 10^{-2}\) Torr, 6.7x10⁻² Pa, .0006 mbar
Ultimate Pressure Gas Ballast Open \(5 \times 10^{-2}\) Torr, 6.7 Pascal, .06 mbar
Standard Motor, On/Off Switch, Circuit C & E Mark, complies with Machinery Directive 98/37/EC
Optional Motors See ordering information
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/diameter NW-25 or 26 mm O.D. tube
Ambient operating temperature 7° to 40°C, 45° to 104°F

Ordering Information
MODEL 400-14 Vacuum Pump With Motor:
Note: Tolerance is ± 10% of nominal value for all voltages.
100 or 200V, 50 or 60 Hz, 1 phase, 0.75 kw (1 hp)
p/n 400-100/200-50/60 .................................................. $2949
115 or 230V, 50 or 60 Hz, 1 phase, 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 .................................................. $2949
220 or 380V, 50 or 60 Hz, 3 phase, 0.75 kw (1 hp)
Full load current: @ 60 Hz; 3.6 or 2.1 A
@ 60 Hz; 3.1 or 1.8 A
p/n 400-OPT-380-50/60 ............................................... $2949
230 or 460V, 60 Hz, 3 phase, 0.75 kw (1 hp) Full load current: 3.2 or 1.6 A
p/n 400-230/460-60 .................................................. $2949

Exhaust Mist Eliminators ........................................ See Page 18
Fomblin: For pumps filled with Fomblin PFPE fluid YL VAC 16/6 add to p/n “Fomblin” and increase the price to ........................................ $4400