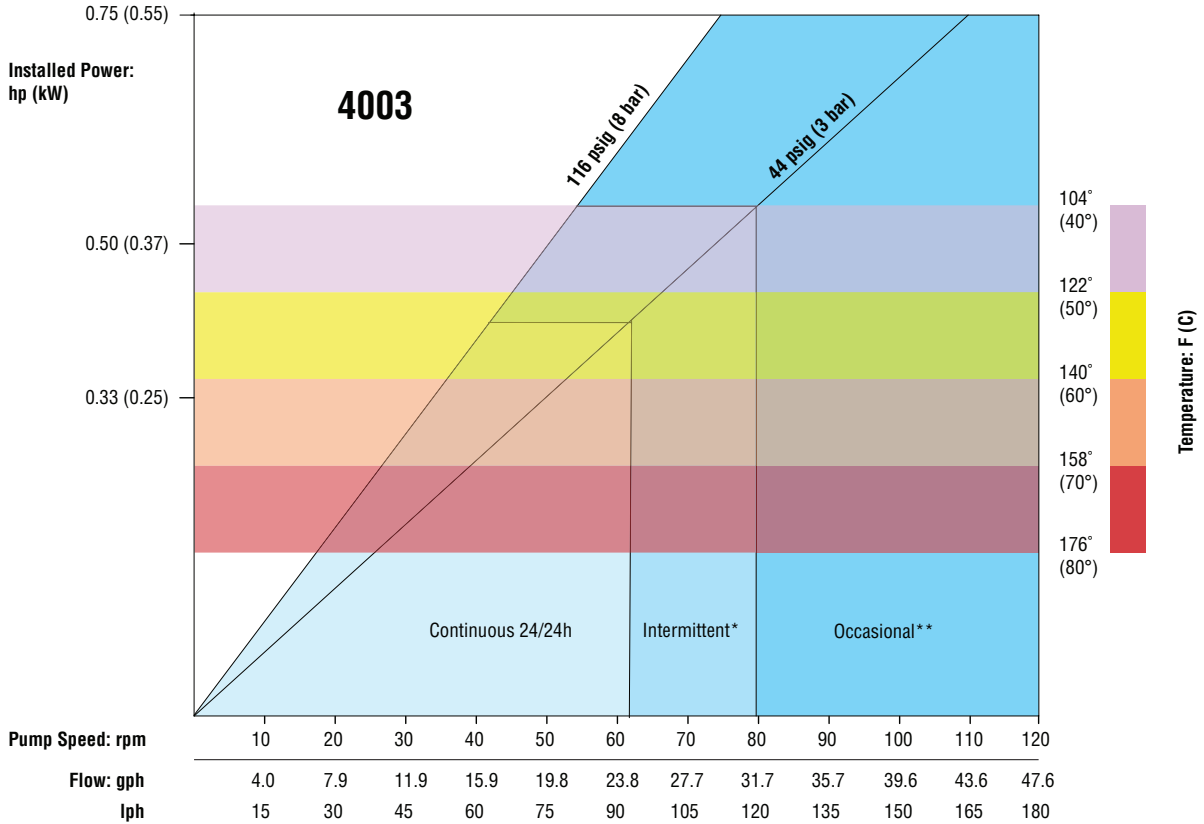


MODEL 4003 PUMP DATA

Performance



* Intermittent use: Minimum of 1 hour stop after 2 hours use ** Occasional use: Maximum 1 hour per day

Fluid Characteristics

| | |
|---------------------|-------------------------|
| Viscosity: | 100,000 cps max. |
| Liquid Temperature: | 180°F (82°C) max. |
| Solid Size: | (see page 4) |
| Fiber Length: | 2-3/8 inch (60 mm) max. |

Materials of Construction

| | |
|---------------------|---------------------|
| Casing: | Ductile Iron |
| Rotor: | Ductile Iron |
| Wheel: | Ductile Iron |
| Frame: | Steel |
| Cover: | Lexan |
| Casing O-ring Seal: | Nitrile |
| Hose Materials: | NR/NBR/EPDM/Hypalon |

Specifications

| | |
|---------------------------|--------------------------|
| Discharge Pressure: | 110 psig (7.6 bar) max. |
| Suction Lift (sea level): | 29.5 ft (9 m) max. |
| Suction Pressure: | 21.8 psig (1.5 bar) max. |
| NPSHr: | 4 ft |
| Horsepower*: | 0.75 max |
| Hose Size: | 10 x 32 x 570 mm |
| Displacement: | 0.0066 gal/rev |
| Lubrication Fluid: | .37 qts (.35 L) max. |
| Lubricant: | Glycerine / Glycol |
| Weight (pump only): | 22 lbs. (10 kg) |
| Weight (with drive): | 55 lbs. (25 kg) |

* Pumps are shaft driven and require a gearbox and motor. See Ordering Information on following page for details.

Model 4003 Ordering Information

A complete Vector pump order number uses a 10-character order code to identify the desired hose, fittings and drive. Select the appropriate items from the chart to the right and use the order code from each group to complete the pump assembly order number.



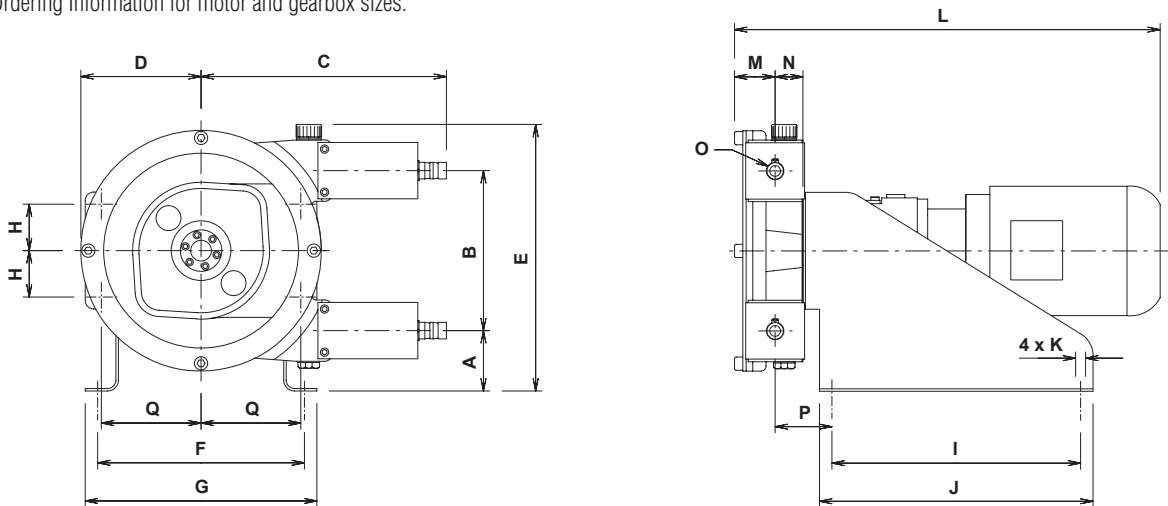
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4 | 0 | 0 | 3 | - | | - | | - | |

| Order Digit | Order Code | Description |
|-------------|-------------|---|
| 1-4 | 4003 | Pump Designation Model 4003 Shaft Drive Pump |
| 5-6 | MF | Hose Material (fiber-braided) Natural Rubber |
| | BF | NBR, Oil-rated |
| | EF | EPDM |
| | HF | Hypalon |
| 7-8 | SS | Connector Material/Style 316 SST 3/4" Hose Barb |
| | PP | Polypropylene 3/4" Hose Barb |
| | MM | PVDF 3/4" Hose Barb |
| 9-10 | | Drive |
| | | Flow GPH |
| | | Gear Ratio |
| | | Pump RPM |
| | | Max Psig |
| | | BHP |
| | | 3Ø, TEFC, 230/460 VAC, 60 Hz |
| | | 4:1 Inverter Duty Turndown |
| | B2 | 7.0 92:1 18 116* 3/4 |
| | D2 | 14.0 48:1 36 116* 3/4 |
| | F2 | 21.0 32:1 54 116* 3/4 |
| | H2 | 27.0 25:1 69 116* 3/4 |
| | J2 | 42.0 16:1 108 44 3/4 |

| Fluid Viscosity | Pressure Range* |
|-------------------|-----------------|
| 0 - 250 cps | 0 - 75 psig |
| 250 - 100,000 cps | 0 - 116 psig |

Dimensional Drawings

See Ordering Information for motor and gearbox sizes.



| | A | B | C | D | E | F | G | H | I | J | K | M | N | O | P | Q |
|---------------|-------|-----|-------|-----|------|-----|-----|------|-------|-------|------|------|------|-----|-------|-------|
| Inches | 4.1 | 4.5 | 8.9 | 3.7 | 10.7 | 8.7 | 9.5 | 1.3 | 10.24 | 11.02 | | 1.71 | 1.36 | | 3.20 | 3.2 |
| mm | 103.5 | 115 | 225.5 | 95 | 271 | 220 | 240 | 33.5 | 260 | 280 | 4xØ9 | 43.5 | 34.5 | Ø16 | 81.25 | 81.25 |