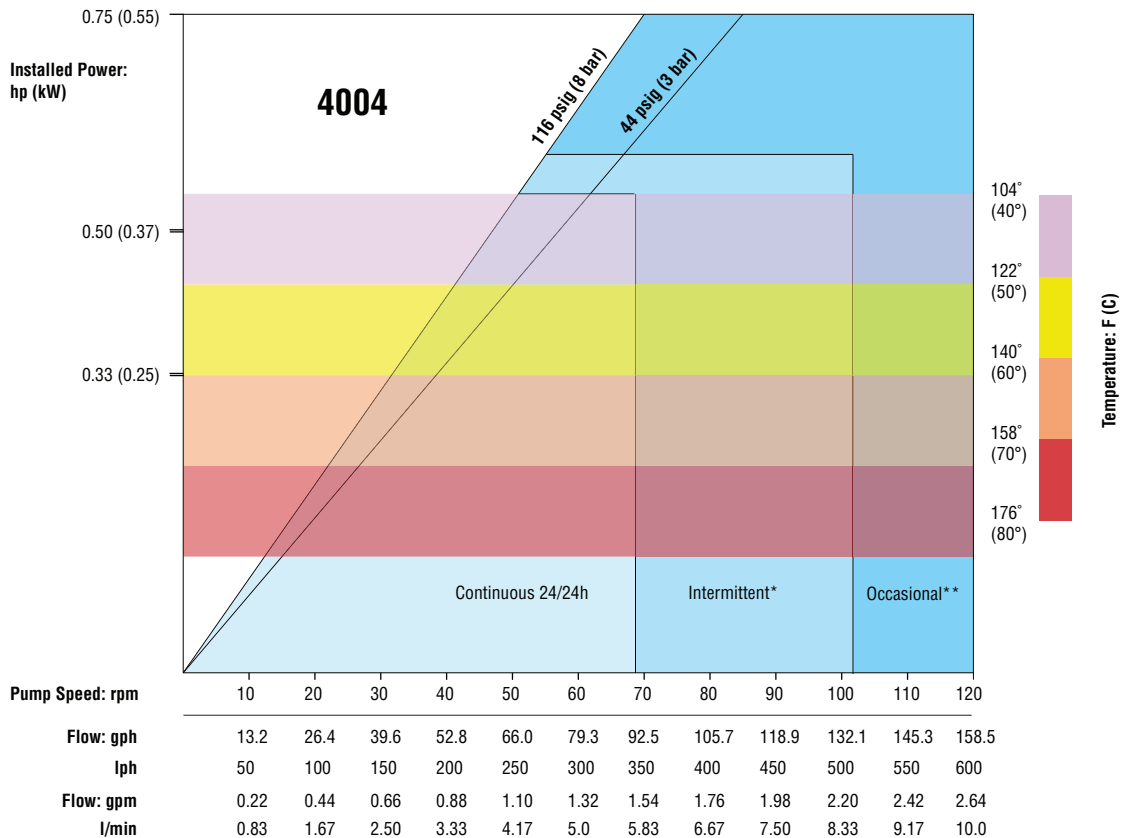


MODEL 4004 PUMP DATA

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:	2-3/4 inch (70 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:	15 x 37 x 830 mm
Displacement:	0.022 gal/rev
Lubrication Fluid:	.42 qts (.4 L) max.
Lubricant:	Glycerine / Glycol
Weight (pump only):	49 lbs. (22 kg)
Weight (with drive):	77 lbs. (49 kg)

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

Model 4004 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.



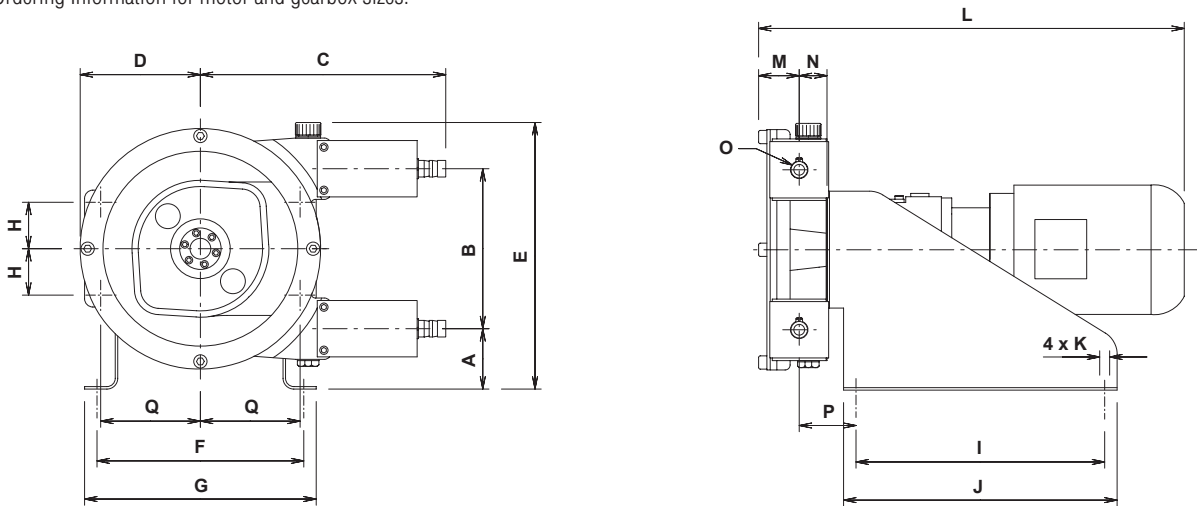
1	2	3	4	5	6	7	8	9	10
4	0	0	4	-		-		-	

Order Digit	Order Code	Description
1-4	4004	Pump Designation Model 4004 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	23.7 92:1 18 116* 3/4
	D2	47.2 48:1 36 116* 3/4
	F2	71.0 32:1 54 116* 1
	H2	91.0 25:1 69 100* 1
	J2	115.7 20:1 88 45 1

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	2.9	7.6	11.7	5.7	12.7	9.8	11.0	2.0	11.8	13.0		1.9	1.4		2.8	4.9
mm	73	193	296	145	322	250	280	51.5	300	330	4xØ13	49	35.5	Ø20*	70.5	124.5