

VECTOR SERIES PERISTALTIC PUMPS

MODEL 2003

Features

- Dry pump cavity
- Self-priming operation
- Runs dry without damage
- Complete isolation of pumped fluid
- Heavy-duty roller bearings
- Wide range of pump configurations/flows
- No cups, packing or seals
- Low maintenance
- Reversible flow

Industries Served by Vector Series Pump

- Waste water and water treatment
- Chemical processing
- Petrochemicals
- Pulp and paper
- Ceramics
- Mining
- Paints and coatings
- Dairy processing
- Pharmaceuticals
- Cosmetics



Materials of Construction

Non-Wetted Parts

Casing: aluminum alloy

Rotor: aluminum alloy

Rollers: plastic/alloy

Wetted Parts

Hose:

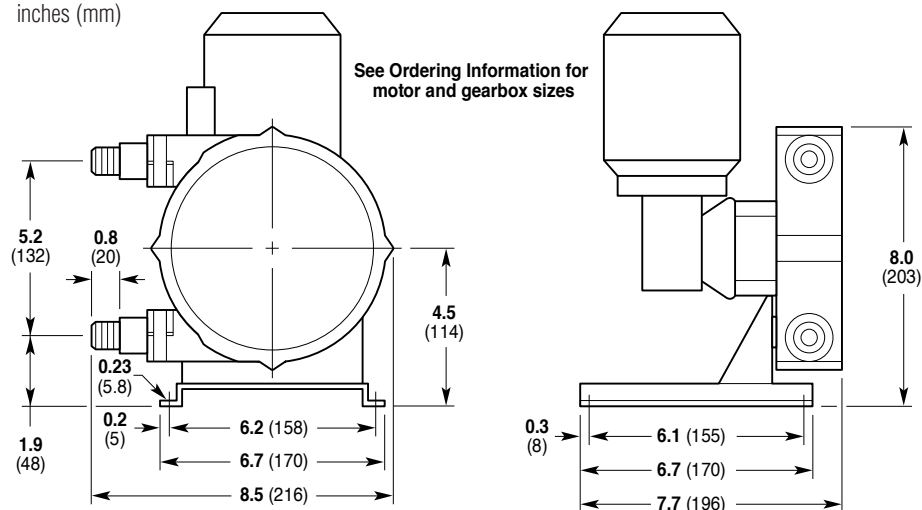
EXTRUDED – Hypalon, Varprene,
Silicone, PharMed®

BRAIDED – Natural rubber, EPDM

Inlet/Outlet Connections: Teflon, brass
or stainless steel hose barb, brass NPT,
and stainless steel sanitary tri-clamp

Dimensions

inches (mm)



Wanner Engineering, Inc.

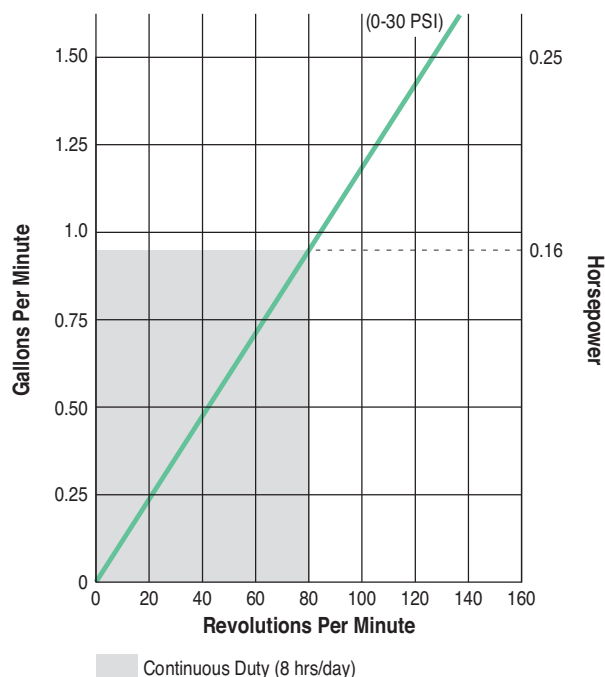
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(612) 332-5681 FAX (612) 332-6937

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Email: sales@wannereng.com

Website: www.vectorpump.com



Fluid Characteristics

Viscosity	15,000 cps (max)
Liquid Temperature	180°F (82° C) (max)
Solid Size	1/16 inch (1.6 mm) (max)
Fiber Length	7/16 inch (11 mm) (max)

Specifications

Discharge Pressure	30 psi (2 bar) max
Suction Lift	10 ft (3.0 m)
Suction Pressure (max)	15 psi (1 bar)
Horsepower (max) ¹	1/4
Hose Size	13 x 22 x 390 mm
Displacement	0.011 gal/rev
Weight (pump only)	10 lbs (4.5 kg)
Weight with Drive	19.8 lbs (9 kg)

¹ Pumps are shaft driven and require a gearbox and motor. See Ordering Information for details.

Ordering Information

A complete Vector pump order number uses a 9 character order code to identify the desired hose, fittings and drive. Select the appropriate items from the chart below 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
2	0	0	3						

Order Digit	Order Code	Description
1-4	2003	Pump Designation Model 2003 Shaft Drive Pump
5-6		Hose Material/Type
	FE	PharMed®, extruded ⁽¹⁾
	HE	Hypalon, extruded
	NF	Natural Rubber, fiber-braided
	EF	EPDM, fiber-braided
	SE	Silicone, extruded
	VE	Varprene, extruded
7-8		Connector Material/Style
	AA	Teflon, 3/4" hose barb
	CC	316 SST, Sanitary, 3/4" tri-clamp
	FF	Brass, 1/2" hose barb
	GG	Brass, 1/2" male NPT
	SS	316 SST, 1/2" hose barb
	TT	316 SST, 3/4" male NPT
9-10		Drive
		Flow GPM
		Gear Ratio
		Pump RPM
		Max PSI
		1Ø, 1/4 BHP TEFC, 115-230 VAC, 60 Hz
	B2	0.26 70:1 24 30
	D2	0.31 60:1 28 30
	F2	0.47 40:1 43 30
	H2	0.62 30:1 57 20
	J2	0.94 20:1 86 17
		3Ø, 1/4 BHP TEFC, 230-460 VAC, 60 Hz
		3:1 Constant Torque Speed Range
	L2	0.26 70:1 24 30
	N2	0.31 60:1 28 30
	P2	0.47 40:1 43 30
	R2	0.62 30:1 57 20
	V2	0.94 20:1 86 17
	A	No Drive

¹ Meets FDA and NSP for food handling. Maximum pressure: 13.5 psi.



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