

 **Wanner Engineering, Inc.**

**CORROSION** FLUID  
PRODUCTS  
CORP.

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**A BETTER WORKING PUMP FOR THE MOST DIFFICULT TO WORK WITH FLUIDS.**

**VECTOR**  
PERISTALTIC PUMPS

# ROLLERS MAKE VECTOR SUPERIOR BY DESIGN.

Peristaltic pumps work by compressing and relaxing a hose that's positioned between a rotating device and a circular pump housing. Most peristaltic pumps use rigid shoes that rub and torque the hose. Vector uses rotating rollers that provide the same push with far less hose wear.

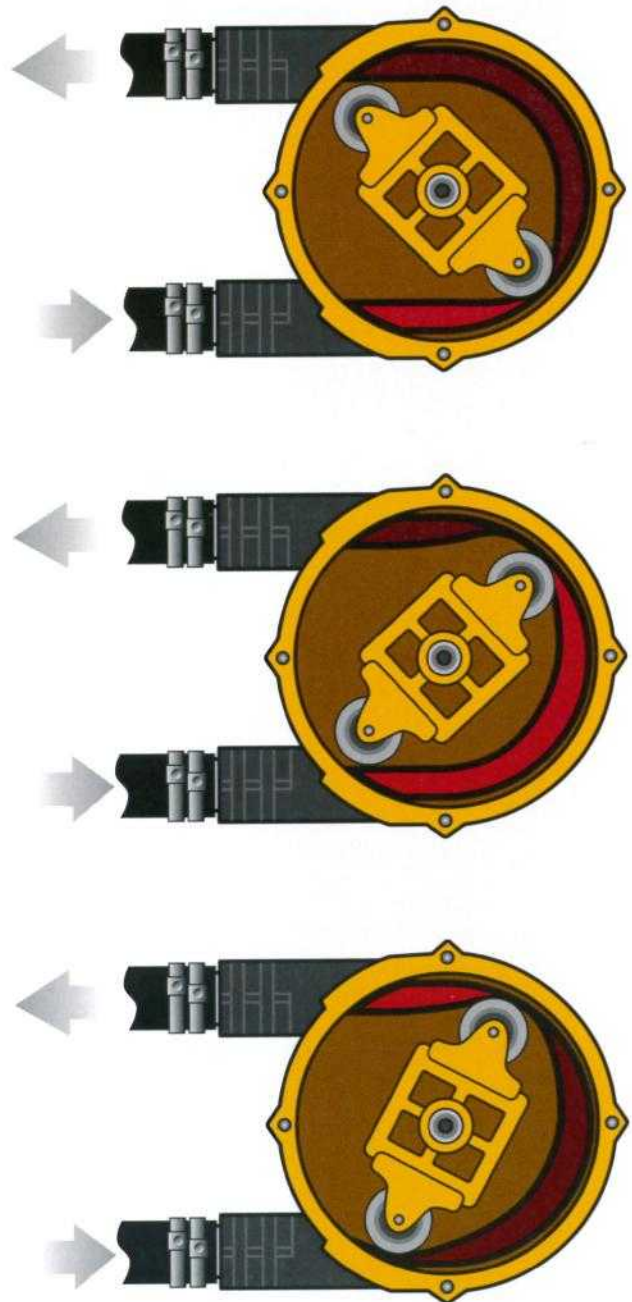
Fluid positioned ahead of the rollers gets pushed forward as the rollers rotate inside the case. Meanwhile, the portion of the hose just behind the rollers rebounds to create a vacuum. This draws fluid into the pumping hose, which is then pushed forward by the rollers. The peristaltic method employed by Vector can create 100% compression at all times, with zero slipping and incredibly accurate metering while producing up to 20-feet of suction lift.

## VECTOR PUMPS WHAT OTHERS CAN'T.

Vector is ideal for abrasive fluids, dyes, thick fluids, solids up to 2.5 inches, shear sensitive fluids, stringy material and nasty, corrosive fluids. It's important to note that even though the pumping action is powerful, Vector won't cause frothing or delicate emulsions to break up.

## NO SEALS, NO SEATS, NO VALVES, NO PROBLEMS.

With a Vector peristaltic pump, fluids never come into contact with moving valves, springs or seals. Instead, the fluid travels through a single hose. This makes Vector perfect for abrasive, shear sensitive, stringy and corrosive fluids.



# TEN DIFFERENT PUMPS. ONE HUNDRED DIFFERENT APPLICATIONS – AND COUNTING.

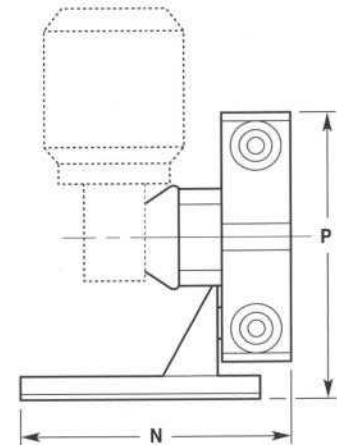
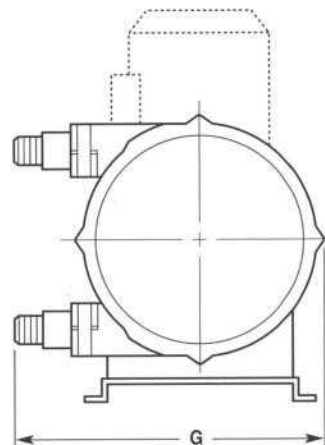
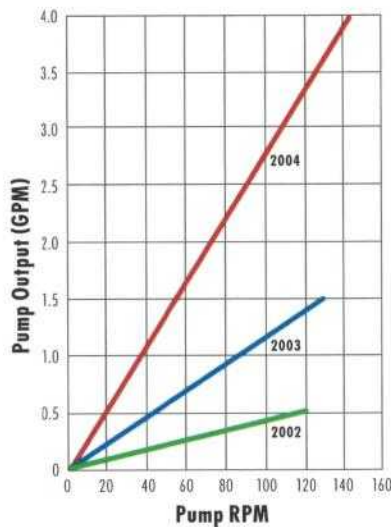
Every job is different, which is why Vector comes in ten different sizes to best suit your need. From the 6.5 lbs, 18 psi discharge Vector 2002 to our 2,535 lbs workhorse, the Vector 2010 that can discharge an impressive 116 psi, you can be sure there's a Vector model available for your application.

Vector can handle a variety of applications that require the safe transfer of challenging substances such as:

- Acids
- Bentonite Slurries
- Carbon Slurry
- Ceramic Slip
- Cosmetics & Creams
- Dyes & Inks
- Eggs
- Ferric Chloride
- Flavorings
- Iron Oxide Pigments
- Jams & Preserves
- Lime Slurries
- Paint
- Sodium Hydroxide
- Shampoos
- Yogurt

## VECTOR SERIES

Models: 2002/2003/2004



### Fluid Characteristics

Viscosity	15,000 cps (max)
Liquid Temp	180°F (82°C) (max)
Solid Size	1/16 inch (1.6 mm) (max)
Fiber Length	1/4 inch (6.3 mm) (max)

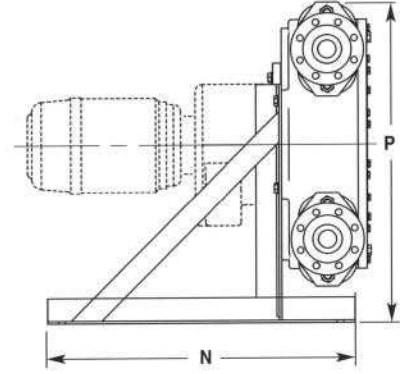
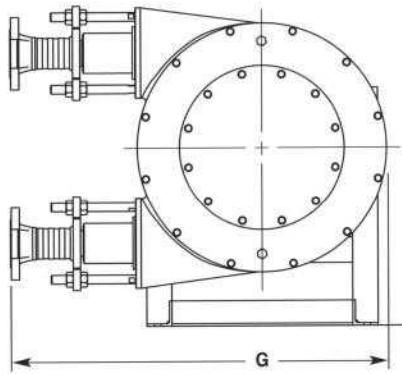
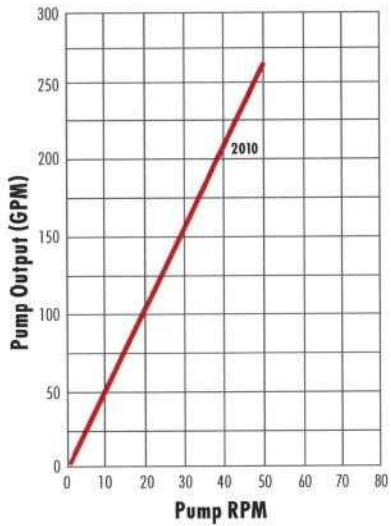
### Dimensions inches (mm)

	2002	2003	2004
G	7.6 (193)	8.5 (216)	12.2 (305)
N	7.48 (190)	7.7 (196)	9.3 (236)
P	7.3 (185)	8.0 (203)	11.6 (295)

### Specifications 2002 2003 2004

Discharge Pressure (max)	18 psi (1.2 bar)	20 psi (1.3 bar)	22 psi (1.5 bar)
Suction Lift	7 ft (2.1 m)	10 ft (3 m)	14 ft (4.3 m)
Horsepower (max) <sup>1</sup>	1/4	1/4	1/3
Weight	6.5 lbs (3 kg)	10 lbs (4.5 kg)	20 lbs (9 kg)

<sup>1</sup> Pumps are shaft driven and require a gearbox and motor.



### Fluid Characteristics

Viscosity	100,000 cps (max)
Liquid Temp	180°F (82°C) (max)
Solid Size	2-1/2 inch (64mm) (max)
Fiber Length	36 inch (914mm) (max)

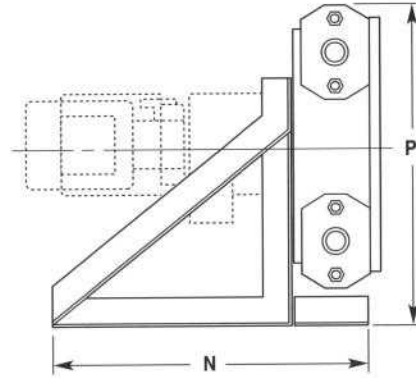
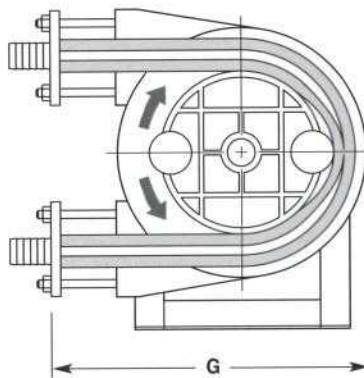
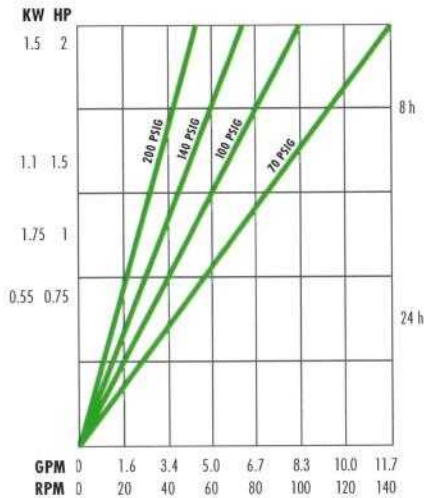
### Dimensions inches (mm)

G	62.58 (1589.5)
N	59.06 (1500)
P	61.57 (1564)

### Specifications

Discharge Pressure (max)	116 psi (8 bar)
Suction Lift	22 ft (6.7m)
Horsepower (max) <sup>1</sup>	20
Weight	2,535 lbs (1,152 kg)

<sup>1</sup> Pumps are shaft driven and require a gearbox and motor.



### Fluid Characteristics

Viscosity	100,000 cps (max)
Liquid Temp	180°F (82°C) (max)
Solid Size	0.6 inch (15 mm) (max)
Fiber Length	4 inch (100 mm) (max)

### Dimensions inches (mm)

G	19.3 (490)
N	18.1 (460)
P	16.5 (420)

### Specifications

Discharge Pressure (max)	200 psi (13.8 bar)
Suction Lift	22 ft (6.7m)
Horsepower (max) <sup>1</sup>	2
Weight	176 lbs (80 kg)

<sup>1</sup> Pumps are shaft driven and require a gearbox and motor.