

Z ChemGear™

PERISTALTIC HOSE PUMPS

Zeroday's very high quality peristaltic hose pumps provide significantly lower operating costs, less maintenance downtime, and lower power consumption for a broad range of liquid and slurry pumping applications. Zeroday's pumps operate at a slower speed and use rollers for hose compression that extends hose life up to 50% with up to 40% lower power consumption compared to competition. The total cost of ownership for Zeroday pumps often ranges from 30-50% lower than competitor's pumps.

BENEFITS:

- > Large pump casing produces more volume per revolution, extending hose life
- > Roller design (vs. shoes) requires less power and less hose wear
- > Up to double and triple the hose life vs. competition
- > Less lubricant consumption, lower fill requirements
- > Faster hose change outs

COMMON PUMPING APPLICATIONS:

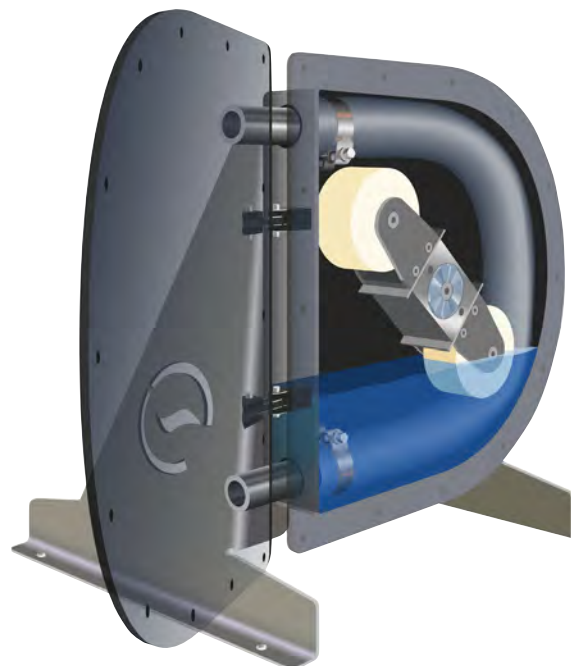
- > Flocculant transfer and feeding
- > Froth, and foam
- > Lime slurry
- > Thickener under flows
- > Municipal waste transfer
- > Chemical and reagent transfer and metering
- > Activated carbon slurry

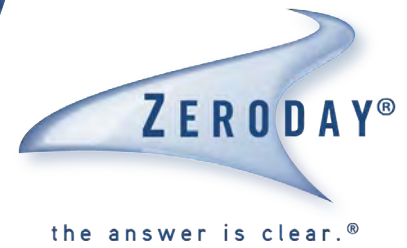
STANDARD HOSE MATERIALS

- > CSPE (Chlorosulfonated polyethylene)
- > EPDM
- > Natural rubber
- > FDA approved nitrile
- > Industrial grade nitrile

OPTIONS AVAILABLE

- > Leak detection
- > Electronically variable speed drive
- > Manually variable speed drive





IMPROVED PERFORMANCE AND EFFICIENCY:

- > Large rotor produces more volume per revolution, extending hose life
- > Roller design (vs. shoes) requires much less power
- > Less hose wear, fewer hose changes
- > Less lubricant consumption, lower fill requirements
- > Designed for easy and fast hose change outs

EASE OF USE AND MAINTENANCE:

- > Hinged front cover eliminates need for lift equipment
- > Internal hose connector eliminates need to dismantle external piping during hose replacement
- > Lower maintenance that increases safety

BROAD PERFORMANCE RANGE:

- > Hose sizes from 10 to 150 mm bore, 150 mm is the world’s largest pump
- > Pumping flow range from 1 to 647 gpm
- > Self-priming, suction lift up to 29 ft. (9 meters)
- > Effectively pumps multiphase fluids (water-solids air), can run dry
- > Discharge pressures up to 147 psig (10 bar)
- > Accurate and controllable flow rates
- > 304ss, 316ss, and galvanized casings materials available for corrosive environments

Pump Model	Temp °F	Max Press PSI	Volume/ revolution	Max Speed, rpm		Max Pump Rate, US gpm (L/min)	
				Continuous	Intermittent	Continuous	Intermittent
			US gal (Liter)				
C10	175	109	0.013 (0.05)	70	100	0.9 (3.96)	1.32 (5)
C15	175	109	0.026 (0.11)	70	100	1.8 (7.92)	2.6 (10)
C20	175	145	0.061 (0.26)	90	100	5.5 (24.23)	6.1 (23)
C25	175	145	0.108 (0.47)	90	100	9.8 (43.17)	10.8 (41)
C32	175	145	0.251 (1.10)	70	90	17.6 (77.53)	22.6 (85)
C40	175	145	0.481 (2.11)	60	80	28.8 (126.9)	38.5 (145.6)
C50	175	145	0.914 (4.02)	50	80	45.7 (201.3)	73.1 (276.8)
C65	175	145	1.876 (8.26)	45	60	84.4 (371.8)	112.5 (425.9)
C80	175	145	3.257 (14.35)	35	50	114.0 (502.2)	162.9 (740.6)
C100	175	145	6.868 (30.25)	30	40	206.0 (907.4)	274.7 (1,249)
C150	175	145	18.492 (81.45)	25	35	462.3 (2,036)	647.2 (2,942)