

Series PT

Recommended Applications:

- OEMS
- Chemical Wet Processing
- Spray Rinse Pumping
- Wet Processing
- Stand-by Pumping
- Recirculating Pumping
- Fume Scrubbing
- Waste Treatment
- Filtering
- Water Treatment
- Plating/Etching
- Pump Stations
- Transfer Pumping
- Photographic/ X-ray



Titanium Vertical Pumps

Titanium Features:

- Self-Priming When Immersed
- In or Out-of-Tank Use
- No Bushings or Bearings
- Runs Dry Without Damage
- Viton Vapor Lip Seal
- One Size Fits All
- No Shaft Couplings

Penguin titanium vertical immersible pumps are compact and simple in design, having only one moving part, yet highly efficient with proven performance. Because of the unique impeller design in conjunction with no “mechanical seal” or “support bearing” employed, wearing parts are minimized with labor cost and down time greatly reduced. Constructed of industrial grade 2 titanium, these general corrosion-resistant all purpose pumps are ideal for many OEM and chemical wet processing applications – whether you are pumping cleaners, caustic materials, salt solutions, chlorinated solvents, photographic chemicals, de-ionized water, fatty, phosphoric, citric, or lactic acids – we can pump it with confidence. Maximum temperature ratings are primarily dependent on the elastomer employed and the vapor pressure of the liquid being pumped.

Penguin Series PT vertical pumps have a rigid, solid titanium shaft, permanently attached to the rotor drive shaft of the motor without the employment of coupling/set screw assemblies, thus minimizing shaft deflection and misalignment associated problems.

One pump size, available 1/2hp through 1 1/2hp, these pumps are versatile, easy to install, require minimal tank space, and can be easily moved from tank to tank.

Standard pump models are equipped with a totally enclosed fan cooled (TEFC) motor. Most motor housings come standard with epoxy coating for added resistance to the chemical corrosion. Standard o-ring elastomers employed are EPR with optional viton and PTFE elastomers available. Single phase motors wired 115 volt are supplied with a 6 foot cord and grounding plug, while those wired for 230 volt are supplied with a 6 foot cord but no grounding plug. Three phase motors are shipped unwired.

Titanium vertical in-tank/out-of-tank pumps employ a cantilevered shaft, which eliminates employment of any pump bushing or bearing whatsoever, thus allowing these pumps to run dry without damage. Employment of a viton vapor seal assembly provides added bottom motor bearing protection against chemical fume corrosion. Series P titanium pumps may be mounted and operated inside or outside the tank similarly to the Series P plastic vertical pumps.

Series PT

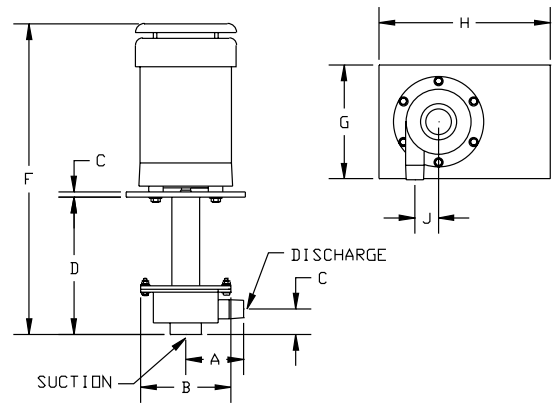
Titanium Vertical Pumps

Specifications

Pump					Motor						Dimensions						
Model	Max Flow (gpm)	Max Head (ft)	Suction	Discharge	HP	RPM	Volts	Hertz	Phase	Amps	Ht (in.)	Wth (in.)	Lth (in.)	WT (lb.)			
P-1/2T	60	30	3/4 FPT	1/2 FTP	1/2	3450	115/230	50	1	7.8/3.9	11	11	26	45			
						2800-3450		50/60		6.4/3.2				47			
								3	1.9-1.8/9	43							
P-3/4T	68	50	1 1/2 FPT	1 FPT	3/4	3450	115/230	50	1	9.8/4.9				11	11	26	47
						2800-3450		50/60		10/5							49
								3	2.7-2.6/1.3	46							
P-1T	69	69	1 1/2 FPT	1 FPT	1	3450	115/230	50	1	11/5.5	11	11	26				50
						2800-3450		50/60		12.8/6.4							52
								3	3.4-3.2/1.6	47							
P-1 1/2T	100	75	1 1/2 FPT	1 1/2 FTP	1 1/2	3450	115/230	50	1	15/7.5				11	11	26	53
						2800-3450		50/60		17.8/8.9							55
								3	4.9-4.6/2.3	48							

Dimensions

Model	A	B	C	D	E	F	G	H	J
P-1/2T					2 1/8				1 13/16
P-3/4T									
P-1T	4 1/2	6 1/2	9/16	10 3/8	2 1/4	22 3/16	6	9	2
P-1 1/2T									



Nomenclature

PT	1/2	V
Penguin	Horsepower	Elastomer
Titanium	1/2 = 1/2	Material
Vertical	3/4 = 3/4	E = EPR
Pump	1 = 1	V = Viton
	1 1/2 = 1 1/2	