

316SS Vertical Pumps

FEATURES:

- Self-priming when immersed in solution.
- In-tank mounted
- PTFE vapor seal
- Motor stand-off
- Handles solids up to 1/8" diameter
- Added strength of stainless steel



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

Penguin Series PSS 316 stainless steel vertical in-tank pumps are compact and simple in design, having only one moving part, yet highly efficient with proven performance. These general corrosion-resistant all purpose pumps are ideal for many OEM wet processing applications. Whether you are pumping cleaners, caustics, salt solutions, chlorinated solvents, photographic chemicals, deionized 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.

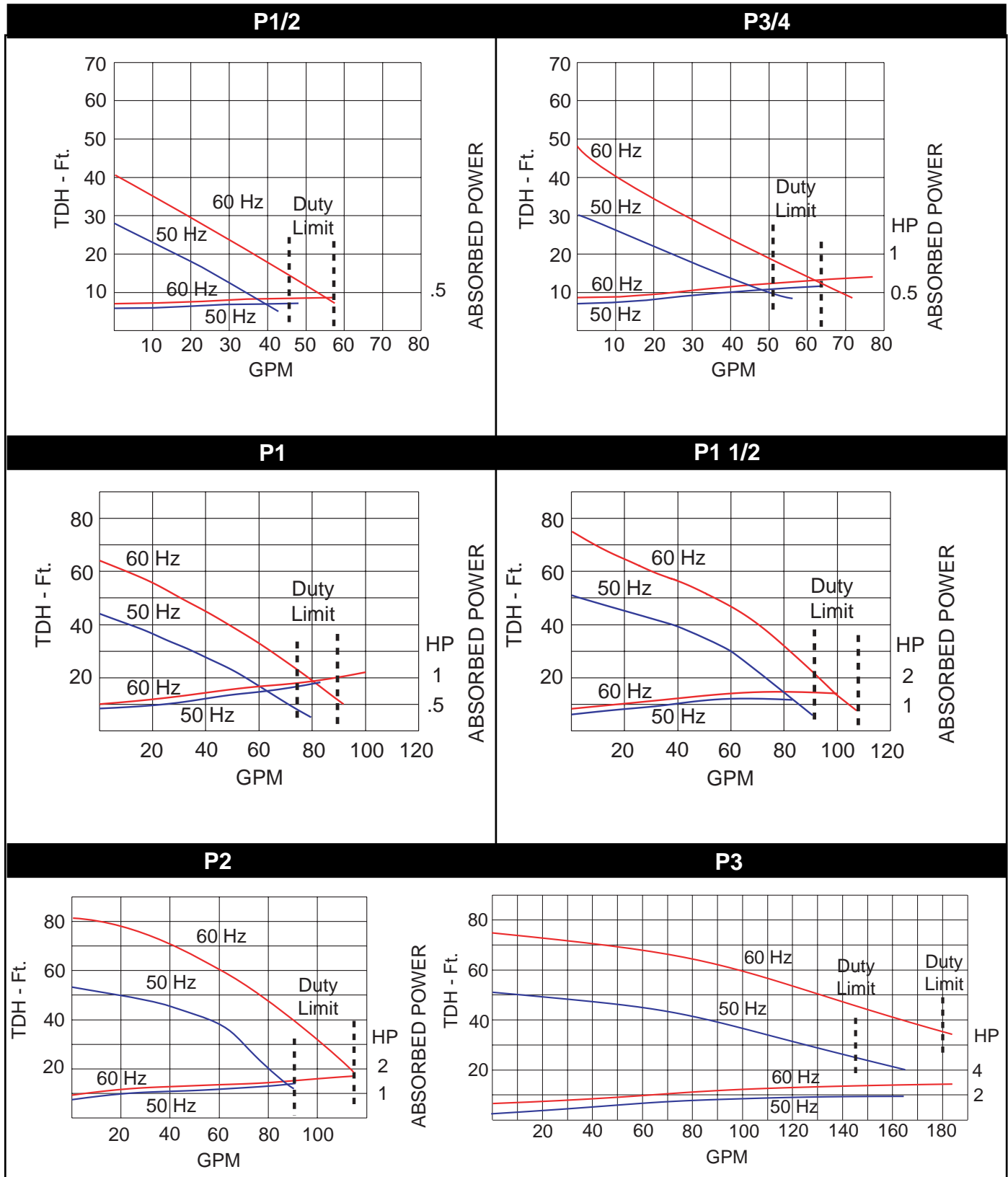
These 316 stainless steel vertical pumps utilize a replaceable coupled shaft using multiple set screws to minimize shaft deflection and misalignment associated problems while allowing the use of standard NEMA motors, which are readily available at most local motor suppliers, thus saving prolonged downtime and money. Standard elastomers are EPDM. Optional Viton and PTFE elastomers are also available. A motor stand-off and PTFE slinger/disk provide optimum bottom motor bearing protection against chemical fume corrosiveness. Single phase motors are wired for 115 volt using a 6 ft cord and grounding plug or for 230 volt using a 6 ft cord w/o plug. All 3 phase motors are shipped unwired, whereby the direction of motor rotation must be determined by the end user prior to operation.

Series PSS

316SS

Vertical Pumps

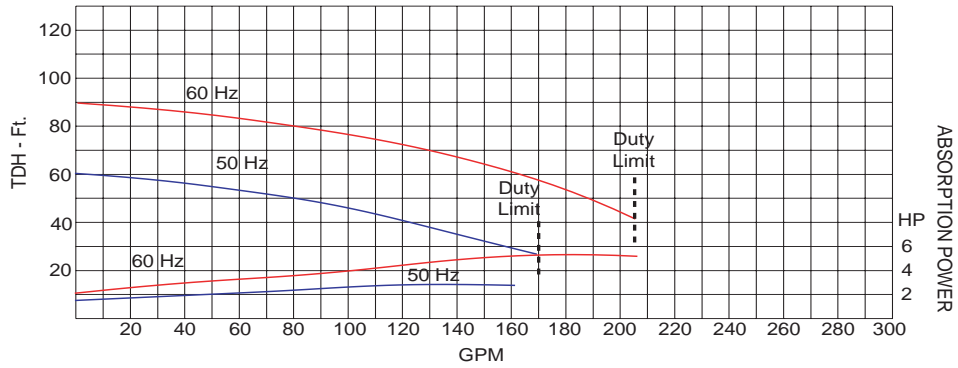
Performance Charts



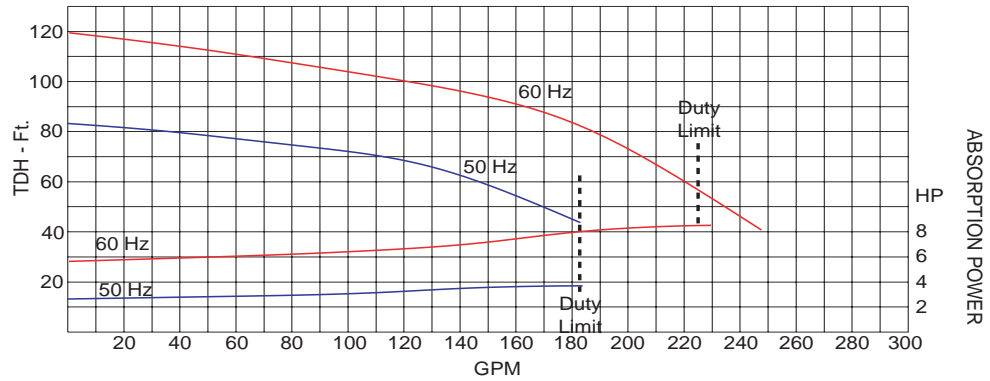
Series PSS

Performance Charts

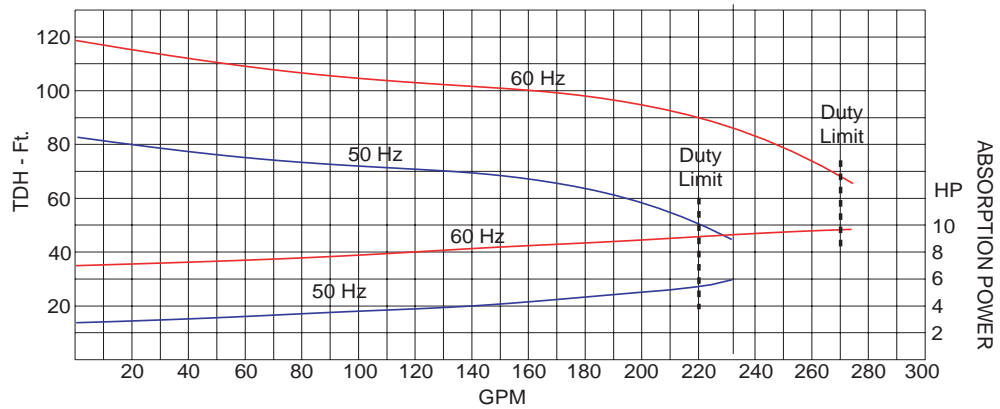
P5



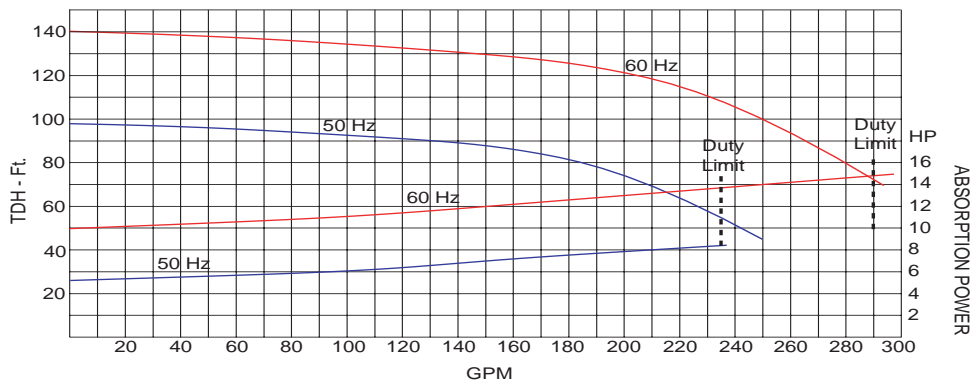
P7 1/2



P10



P15



Series PSS

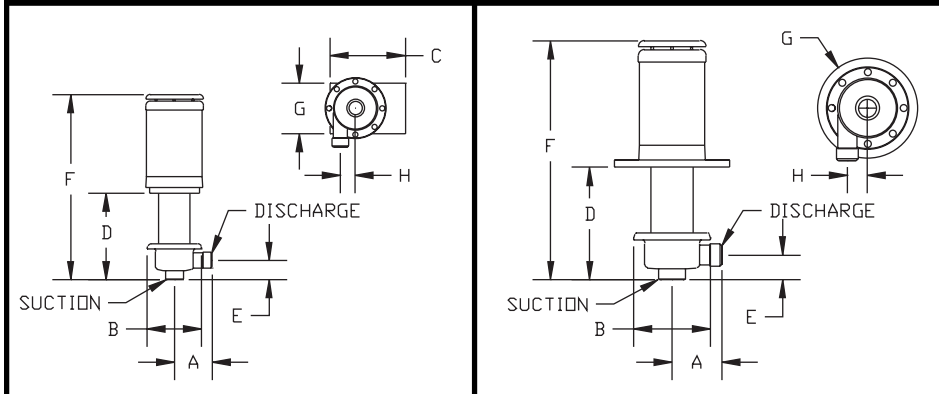
316SS Vertical Pumps

Dimensions								
Model	A	B	C	D	E	F	G	H
P-1/2S	4 1/2	6 1/2	9	10 3/8	2 1/4	22 7/16	3/16	2
P-3/4S								
P-1S								
P-1 1/2S								
P-2S								
P-3S	6	9	9	13 9/16	2 13/16	27 7/16	12	2 3/16
P-5S								
P-7 1/2S								
P-10S								
P-15S								

Specifications														
Model	Max Flow (gpm)	Max Head (ft)	Suction	Discharge	Motor						Dimensions			
					HP	RPM	Volts	Hertz	Phase	Amps	Ht	Wth	Lth	Wt
P-1/2S	29	50	3/4" FPT	1/2" FPT	1/2	3450	115/230	60	1	7.8/3.9	11	11	26	55
							208-230/460	50/60	3	1.9-1.8/9				53
P-3/4S	62	45	1 1/2" FPT	1" FPT	3/4	3450	115/230	60	1	9.8/4.9	11	11	26	59
						2850/3450	208-230/460	50/60	3	10/5				60
P-1S	86	64	2" FPT	1 1/2" FPT	1	3450	115/230	60	1	11/5.5	11	11	26	65
							208-230/460	50/60	3	12.8/6.4				67
P-1 1/2S	100	70	3" FPT	1 1/2" FPT	1 1/2	3450/2850	115/230	60	1	3.4-3.2/1.6	11	11	26	63
							208-230/460	50/60	3	17.8/8.9				72
P-2S	110	81	3" FPT	1 1/2" FPT	2	3450	115/230	60	3	4.9-4.6/2.3	15	20	36	69
P-3S	175	70								5.8-5.4/2.7				75
P-5S	200	85	3" FPT	1 1/2" FPT	5	3450	230/460	60	3	8.2-7.8/3.9	15	20	36	140
P-7 1/2S	225	108								12.2-11.6/5.8				160
P-10S	270	120	3" FPT	2" FPT	10	3450	230/460	60	3	20.5-19.0/9.5	15	20	36	180
P-15S	290	150								25/12.5				200
										34/17				225

P1/2 - P2

P3 - P15



Nomenclature

P	1/2	S	V	P	L
Penguin Vertical Pump	Horsepower	Construction Material	Elastomer Material	Bushing Material	Extended Length
	1/2 = 1/2	S = 316SS	E = EPR	P = PTFE	None = 9.5
	3/4 = 3/4		V = Viton		L = 18.0
	1 = 1				
	1 1/2 = 1 1/2				
	2 = 2				

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