

FERTILIZER PUMPS



SERIES 500 HYDRAULIC DIAPHRAGM METERING PUMPS

Bi-Directional Motor option eliminates the need to set rotation when moving between pivots – pump runs in either rotation.

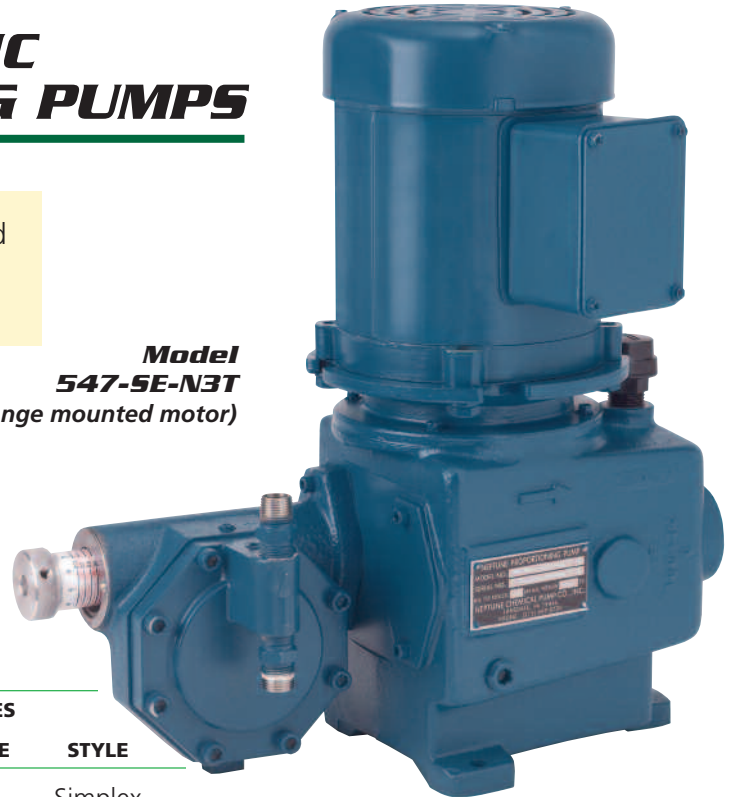
- Teflon® diaphragm and viton “o” rings withstand most chemicals
- All 316SS wetted metal parts

Neptune Series 500 “dia-PUMPS”
 Flange-Mounted Motor: 3ph-230/460VAC-60-TEFC

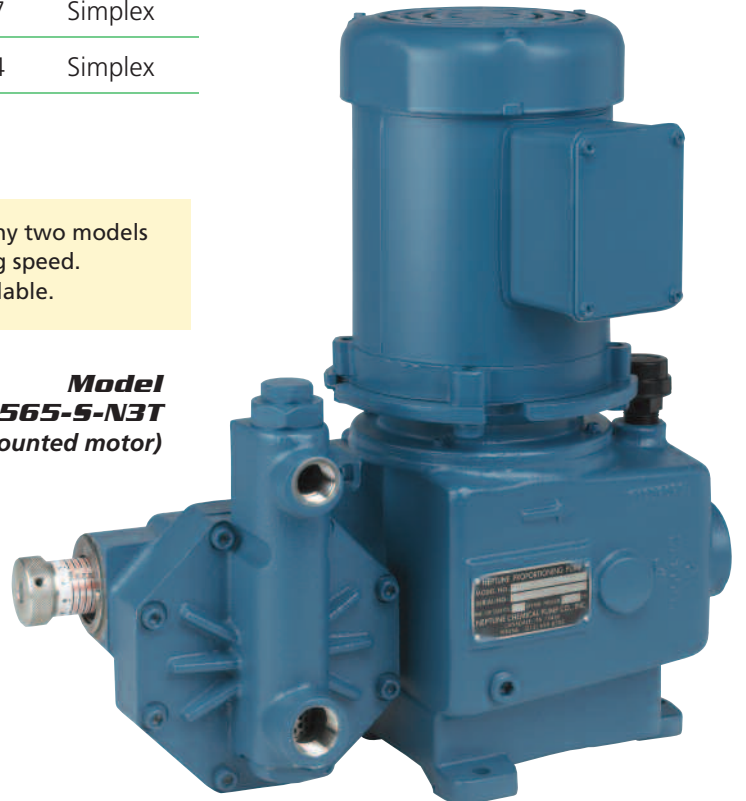
MODEL NUMBER	HP	CAPACITY (GPH) AT 100 PSI	PISTON DIAMETER (INCHES)	STROKES PER MINUTE	STYLE
547-SE-N3T	1/3	30	1.187	144	Simplex
565-S-N3T*	1/2	65	2.0	117	Simplex
567-S-N3T*	1/2	80	2.0	144	Simplex

*EZE-CLEAN™ Valves: Cartridges are removable without disturbing piping

Model 547-SE-N3T
(flange mounted motor)



Model 565-S-N3T
(flange mounted motor)



DUPLEX: Combine any two models with same stroking speed. Other sizes available.



INNOVATIVE DESIGN
QUALITY WORKMANSHIP
LONG-TERM RELIABILITY

Neptune has manufactured reliable metering pumps for over 50 years.

EZE-Grab FERTILIZER PUMP PLATFORMS

Purpose

A one-piece molded polyethylene platform with hand grips to allow easy handling of fertilizer pumps. Unit integrates pump controls and wiring for complete portability.

Features

- Strong, lightweight polyethylene base (order pump separately)
- Resistant to corrosion
- Electrical controls for 3 phase 460 volt motors are standard; 12VDC and 115VAC available as options
- Manual motor starters provided for AC units include adjustable overload protection
- 12 volt units include solenoid to automatically disconnect motor from battery when system shuts down
- 12 ft. power cord



Optional accessories include:

- Suction Assembly
- Injectors
- Discharge Assembly
- Discharge Bleeder Assembly

INJECTION QUILLS

Injection Quills allow chemicals to be injected into the turbulent flow near the center of the line, providing more uniform dispersion.

The Disk Type Check and Seat are located at the tip of the quill to allow constant flushing.



- Provides back pressure to insure metering accuracy
- Prevents back flow
- Prevents bleed through when water pressure is low or line is drained
- Prevents siphoning when metering pumps are off and line is flowing

Mount directly to a coupling in the sidewall of lines 6 inches and larger. For smaller lines the quill may be mounted to a coupling attached to a nipple (of the length required), to hold the tip of the quill near the center of the line.

PART NUMBER	LINE CONN. NPT	INLET CONN. NPT	FLOW * GPH	BODY MATERIAL	CHECK MATERIAL	SPRING MATERIAL	MAX. PRESSURE	MAX. TEMP.
PPQ50	3/4"	1/4"	50	PP **	Viton	316SS	150 psi	120°F
SSQ75	3/4"	1/2"	200	SS	Viton	316SS	150 psi	150°F
SSQ100	1"	3/4"	300	SS	Viton	316SS	150 psi	150°F

* At 50-PSI Differential

** Glass Filled Polypropylene



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