



Series 500-A
Model 500-1-N3



Model 520-VS-N3



Series 560
Model 560-S-N1

All Neptune “diaphragm-PUMPS” are adjustable while running using an exclusive Variable Oil By-pass™ which allows better valve performance than variable linkage designs. This feature provides an adjustable time delay from the end of the suction stroke to the beginning of the discharge stroke. This delay permits the balls to seat fully before pumping resumes, even in the heaviest liquids.

Series 500 and 600 “diaphragm-PUMPS” are constructed with EZE-CLEAN™ valves that can be removed for cleaning without breaking or disturbing piping connections to the pump.

Internal relief valves are standard.

Hydraulic system vents and refills only with every stroke.

Gears are submerged in oil to assure long reliable life.

SERIES 500-A “DIAPHRAGM-PUMPS”

The “Standard” of the industry – rugged and reliable, designed for ease of routine maintenance. Compact and economical for applications not requiring duplex capacity.

Standard Pumps:

- Models 500-A to 538-A
- Capacities to 26.5 GPH
- Pressures to 1100 PSI
- Available in 40 different metallurgy combinations
- Duplex available

ELECTRONIC STROKE CONTROL

The flow rate of any Series 500 or Series 500-A “dia-PUMP” can be controlled automatically by a process instrument, or remotely from the control module, using the Neptune Electronic Stroke Control.

Features:

- Explosion-proof (be certain to order proper motor for hazardous locations)
- Unit follows 4-20 mA or 1-5V signal
- Also available in pneumatic (3-15 PSI signal)
- Adjustable ratio signal to stroke 1:2 or 2:1
- Direct (forward) or indirect (reverse) response to changing signal
- Manual override in event of instrument signal or power loss, a unique feature
- Remote override and digital readout indicator (optional)

NOTE: Cannot be mounted on both heads of duplex pump.

HIGH VISCOSITY “V-PUMPS”

Neptune high viscosity, flat diaphragm “V-Pumps” are designed to accurately meter viscous fluids up to 5000 CPS such as polymers and other thick liquids.

Features:

- Handles moderate viscosity fluids
- Large internal porting with a large, single ball, suction check valve
- Capacities to 29 GPH at 100 PSI
- Available in all 316 SS or cast iron with SS trim
- Electronic or pneumatic stroke control options and variable speed drives
- Teflon® diaphragm withstands most chemicals

SERIES 560 “DIAPHRAGM-PUMPS”

Generously sized and closely guided valves offer the best performance available in hydraulic diaphragm pumps of this size.

Medium Pressure / High Volume Pumps:

- Models 560-S to 567-S
- Capacities to 80 GPH
- Pressures to 350 PSI
- Available in 40 different metallurgy combinations