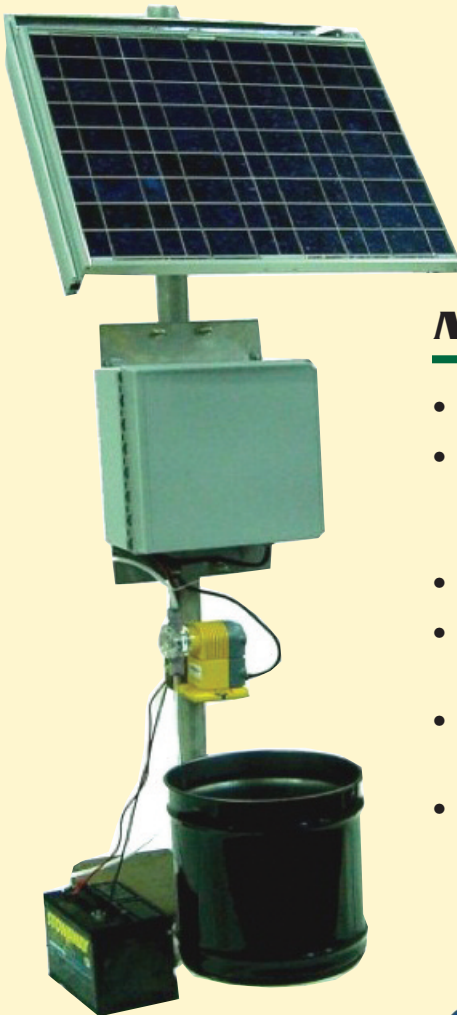


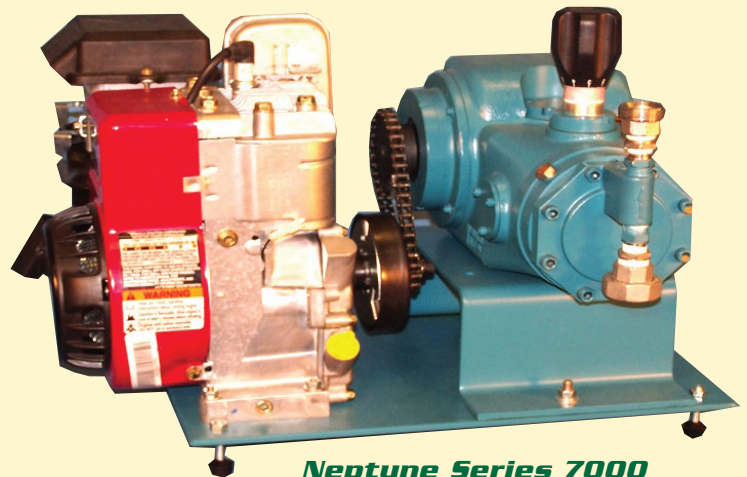
Alternative Power Pumps for Agriculture

Neptune
A DOVER COMPANY

Neptune's metering pumps solve your agriculture and irrigation needs. Neptune offers alternative powered pumps that provide multiple dosing and chemical injection solutions using a wide variety of alternative energy sources.



Neptune Series PZ
powered by solar



Neptune Series 7000
powered by gas

NEPTUNE'S ALTERNATIVE POWER PUMPS

- Designed for areas without power supply
- Neptune Series 500 and 7000 pumps can be powered by hydraulic motors using fluid pressure from the hydraulic system in hydraulically powered center pivots
- Belt driven pump can be adjusted without shutting down irrigation engine
- The 12 volt pump is provided with clamps to connect directly to the irrigation engine battery
- Neptune Series 7000 pump with gas engine and trailer mounted chemical supply tank allows the rig to travel directly to the area requiring injection
- Solar installation low power draw allows a minimum solar collector array to perform very well in a variety of latitudes



Neptune Series 7000
belt driven

ALTERNATIVE POWER SOURCES

- Belt drive
- Solar powered
- Hydraulic motor powered
- 12 volt
- Gasoline motor

PZ PUMP

Features

- Operates from 94 VAC to 264 VAC
- Manual stroke length adjustment 50 to 100%
- Manual and automatic stroke speed adjustment
- External interlock available
- Repeat cycle and counter functions built in



Tech

- Manual, 4-20 mA or water pulse controlled
- Available in PVC, Acrylic and Kynar
- Automatic degassing valve option

Performance

- 0.5 ml per stroke/min.;
- 1300 ml/min.

Certifications

- CE available in all models

SERIES 7000

Features

- Self priming
- Superior performance when pumping chemicals
- Accepts NEMA and IEC flange mounts
- Suction lift to 20 ft.
- Manual micrometer stroke length adjustment

Tech

- Automatic capacity control using variable speed drive
- Liquid ends are available in PVC, Kynar and 316SS

Performance

- Capacities range from 0.6 gph to 300 gph and pressures to 150 psi
- Viscosities up to 20,000 cps

Certifications

- CE



SERIES 500

Features

- EZE-clean valve cartridges
- Variable oil by-pass stroke adjustment
- NEMA and IEC flange mount available
- Manual micrometer stroke length adjustment
- Bright color contrasted dial protected from corrosion by clear PVC covering

Tech

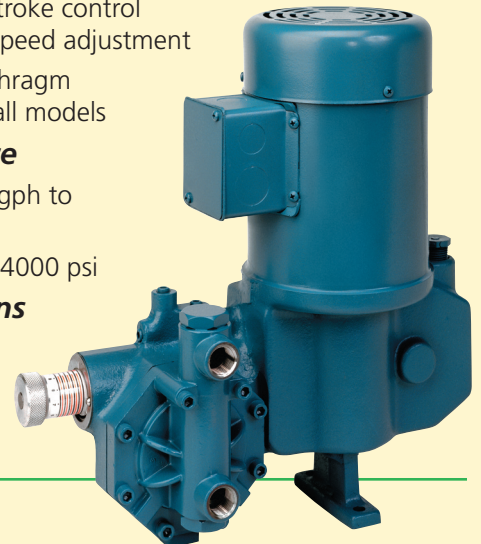
- Available in 316SS, PVC, Alloy 20 and Kynar
- Automatic stroke control length and speed adjustment
- Double diaphragm available in all models

Performance

- Range 0.02 gph to 240 gph
- Pressures to 4000 psi

Certifications

- CE, API



Agricultural Services Center

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