

GeoPump

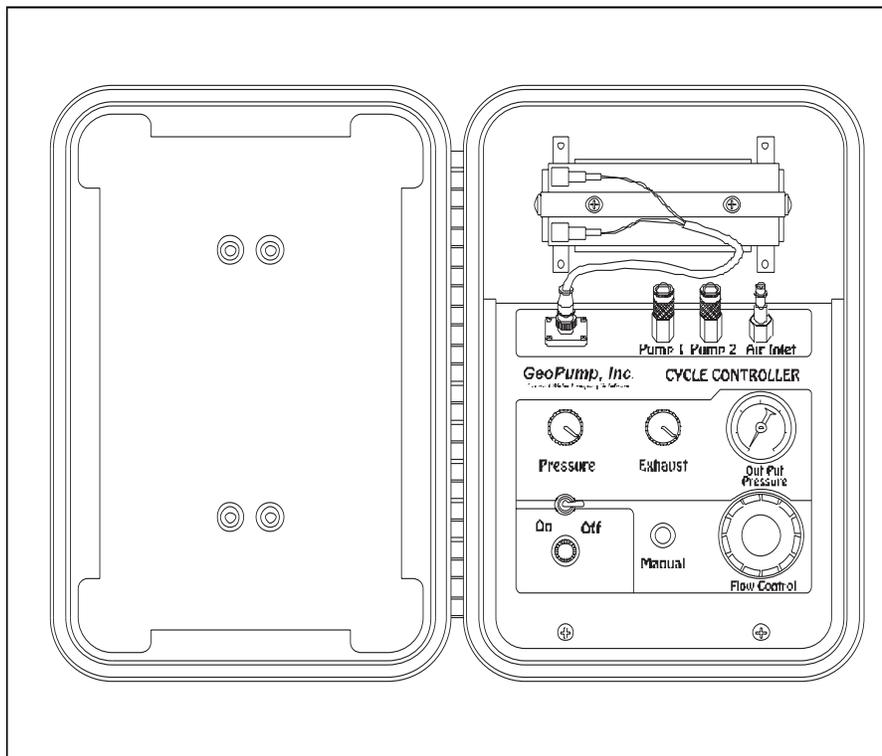
Ground Water Pumping Solutions

ELECTRIC AUTOMATIC PUMP CYCLE CONTROLLERS

GeoPump Cycle Controllers manage the compressed air used to power pneumatic pumps. They are designed with large air paths so as not to restrict the air flow as it moves from the compressed air source to the pump.

- Double acting option permits operation of two pumps simultaneously, without external manifolds. (Note: Double acting operation requires additional air hose from controller to pump. Order P.N. 50090.)
- Sensitive air flow rate control enables high rate purging, and sampling flow rates as low as a 100 ml/min.
- 200 psi pressure capability allows lifts up to 450 feet (135 m).
- Quick exhaust valve provides for rapid pump refill even under low submergence conditions.
- Non-corroding, quick-connect hose attachments.
- Over pressure protection.
- Manual override bypasses the timers for manual operation (used for "cold weather blow outs", packer inflation, etc.).
- Moisture trap/air filter prevents water and particulate matter from entering controller, tubing and pump.
- Enclosed in a rugged, environmentally sealed, shock resistant case.

**NOTE: Model 5001 illustrated below (2 pump outlets).
Model 5100 (not shown) has only 1 pump outlet.**



Design Specifications

Model#: 5001/5100

Weight: 17 lbs. (with battery)

Dimensions: 14.5" L x 10" D x 9" W

Timer Range: Fill = 1 to 45 seconds.
Discharge = 1 to 45 seconds. Independently adjustable.

Pressure Capability:

Model 5001, 200 psi / Model 5100, 125 psi

Power Source: 12 VDC, 6 amp/hr rechargeable gel battery (battery and charger included). Provides 40 hrs. of operation between charges. 17 hr. recharge.

Air Hose: .375" I.D. reinforced, industrial air hose. Compressed air source to controller hose length is 25 ft. and includes quick -connect fittings. Controller to pump hose length is 10 ft. and includes quick-exhaust valve and quick-connect fittings. (Optional lengths available upon request).

• **GeoPump, Inc.** • 213 State Street • Medina, NY 14103 • www.geopump.com •
• Toll Free 877-Geo-Pump • 585-798-6666 Outside USA • 585-798-0175 Fax •

ELECTRIC AUTOMATIC PUMP CYCLE CONTROLLERS

ENGINEERING SPECIFICATIONS

1. The controller shall be housed in a gasketed case with a continuous hinged top.
2. The controller shall be powered by a 12 VDC, rechargeable gel battery of a size sufficient to power the controller for a minimum of 40 hours between charges.
3. The controller shall be equipped with a flow rate control capable of reducing the pump flow to less than 100 ml/min. throughout the entire lift range.
4. The controller shall incorporate a panel mounted to display the pump pressure setting.
5. The controller shall incorporate separate fill and discharge timers that are independently adjustable. Each timer shall have a 1 to 45 second range.
6. Select one of the following:
 - a. The controller shall include one outlet connection (Model 5100).
 - b. The controller shall include two outlets to permit operation of one or two pumps (Model 5001).
7. The controller shall be supplied with: 25 feet of 3/8" I.D., reinforced, industrial air hose with quick-connect fittings for use between the compressed air source and controller; and 10 feet of identical air hose with quick exhaust valve and quick-connect fittings for use between controller and pump tubing.
8. The controller shall be equipped with a pressure relief valve to serve as over pressure protection.
9. The controller shall be equipped with a mechanical manual override that bypasses the timers and provides for manual cycling of the compressed air.
10. The controller shall be equipped with a detachable external water trap/air filter.
11. Select one of the following:
 - a. The controller shall be capable of cycling up to 125 psi (8.5 bar) to the pump (Model 5100).
 - b. The controller shall be capable of cycling up to 200 psi (14 bar) to the pump (Model 5001).

Available for rent with
daily, weekly or monthly
rates. Call for availability.

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