

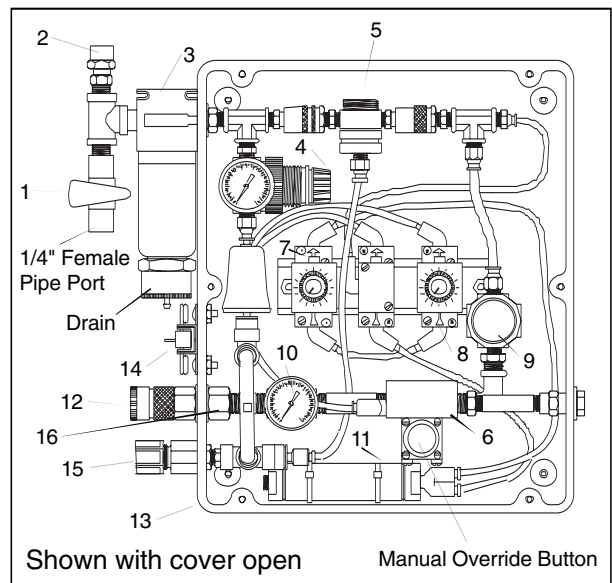
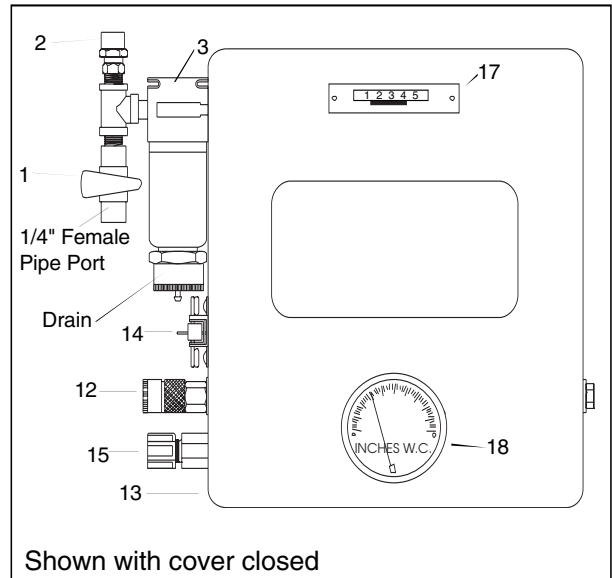
GeoPump

Ground Water Pumping Solutions

FULLY PNEUMATIC REMEDIATION CONTROLLERS

GEOPUMP Fully Pneumatic Cycle Controllers provide automatic control over downwell recovery pump fill and discharge rates. Housed in a non-metallic, watertight enclosure, the controller features easy to adjust, independent timers assuring optimal pump cycling frequency under any lift and submergence condition. Requiring no batteries or electrical power, the controller is available with or without automatic on/off level control for operating pneumatic pumps used for ground water remediation and/or leachate extraction.

- Fully pneumatic controller design requires no batteries or electrical power.
- Independent pump discharge and refill timers, adjustable from one second to three minutes.
- Delivers up to 125 psi air to pump for total head requirements up to 250 feet.
- Flow rates fully adjustable, by pressure regulator, from 100ml/min. to 20 gpm (depending on pump model).
- Housed in high density, non-corroding, NEMA 4X, lockable cases for protection of internal components from corrosive gases and vapors.
- The compact size and light weight of both models enables a wide variety of installation options, including below grade vault, pole mounting, and flange mounting in outdoor enclosures.
- Includes an automatic draining 5 micron inlet air filter, pressure safety relief valve, and on/off valve on the outside of the case.
- Includes a high flow pilot-operated, directional air valve, with manual actuator, and output pressure gauge.
- Model 50002 includes weighted stainless steel probe for attachment to bubbler tubing, and air hose assembly with quick exhaust valve.
- Model 50001 can operate up to 5 pumps when used with Logic Manifold and Satellite Controllers.



Model 50002 shown.

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| <ol style="list-style-type: none"> 1. Plug Valve (to shut off air supply). 2. Pressure Safety Relief Valve 3. Inlet Air Filter (5 micron). 4. Bubbler Pressure Regulator with 0-15 psi gauge (Model 50002 only). 5. Level Control Valve (Model 50002 only). 6. Pilot Operated Air Valve. 7. Pump Discharge Timer. 8. Pump Refill Timer. 9. Pump Flow Control (Adjustable Pressure Regulator). | <ol style="list-style-type: none"> 10. Outlet Pressure Gauge, 0-160 psi. 11. Volume Chamber 12. Quick Connect Fitting to attach air line or logic manifold. 13. Non-Metallic, Watertight Enclosure. 14. Lockable Latch. 15. Attachment Fitting for Bubbler Tubing (Model 50002 only). 16. Flow Restrictor Element for Bubbler (Model 50002 only). 17. Cycle Counter (optional). 18. Liquid Level Gauge, 0" to 60" W.C. (optional, Model 50002 only). |
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• **GeoPump, Inc.** • 213 State Street • Medina, NY 14103 • www.geopump.com •
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FULLY PNEUMATIC REMEDIATION CONTROLLERS

DESIGN SPECIFICATIONS

Model	Height (in/cm)	Width (in/cm)	Depth (in/cm)	Weight (lbs./kg.)	Level Control
50001	12/30.5	10/25.4	7/17.8	12/5.4	No
50002	12/30.5	10/25.4	7/17.8	13/5.9	Yes

ENGINEERING SPECIFICATIONS

1. The controller shall be fully pneumatic and not require batteries or other electrical power.
2. The controller shall be housed in a NEMA rated, non-metallic, watertight case.
3. The controller shall have independent pump discharge and refill timers, each adjustable from a minimum of one second to a maximum of three minutes.
4. The controller shall have a 5 micron inlet air filter, pressure safety relief valve, and on/off valve on the outside of the enclosure.
5. The controller shall have a pilot operated, directional, air valve, with a manual actuator.
6. The controller shall include an output pressure gauge to display air pressure.
7. The controller shall have a pressure regulator to adjust the pump flowrate.
8. The controller shall require a minimum of 55 psi supply pressure to operate the pneumatic timing logic.
9. The controller shall have a pneumatic on/off level control valve, which prevents compressed air from entering the pump timing control module, based on the back pressure within a down well bubbler tube. The on/off level control shall allow the pump to maintain the liquid level in the well within a three to nine inch range. (Model 50002 only.)

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