

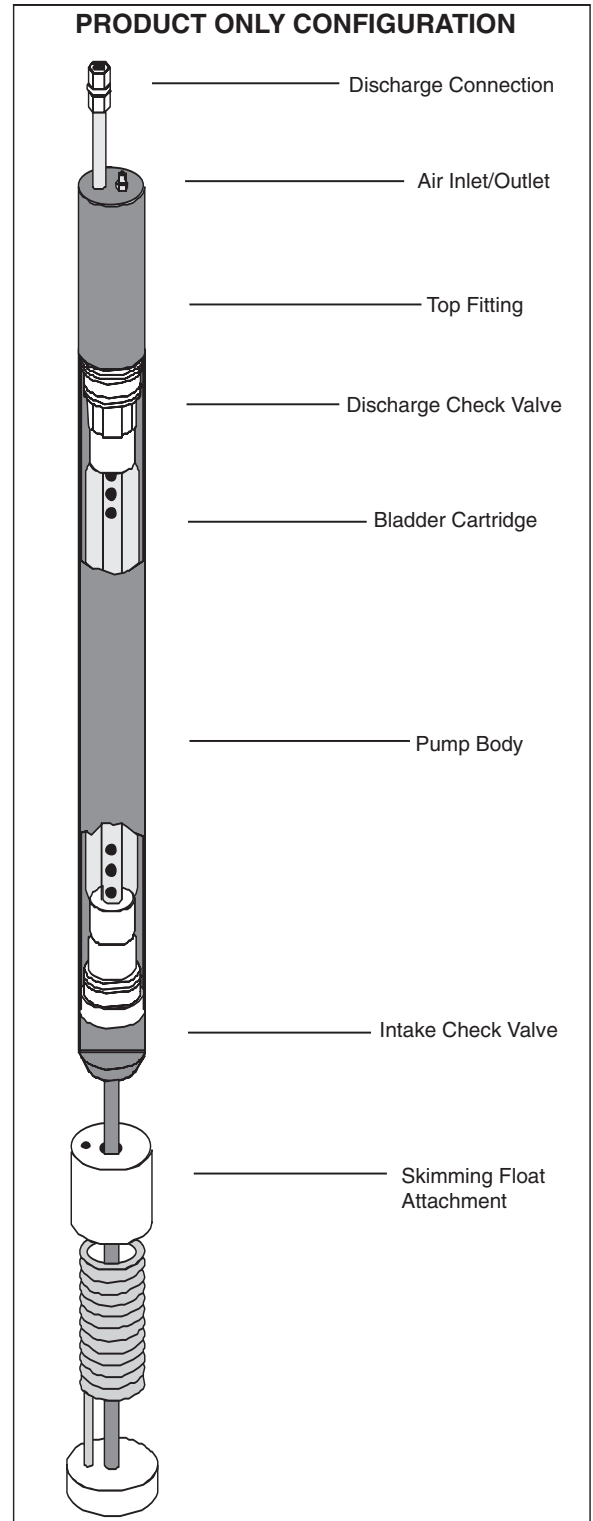
GeoPump

Ground Water Pumping Solutions

REMEDIATION BLADDER PUMPS

The GEOPUMP remediation bladder pump features a flexible bladder capable of suction. This allows the pump to operate efficiently in low submergence conditions, and can be positioned above the fluid column in conjunction with a product skimming attachment. Additionally, the bladder provides a barrier between the liquid and the drive air preventing volatile gas emissions. When used for total fluids pumping, the separation of drive air from the fluid eliminates metals precipitation. This pump can also be used for dense NAPL recovery without vacuum assist modules or a fluid column over the pump. The bladder pump can further be converted to a positive displacement gas drive pump by replacing the bladder with a dip tube assembly.

- Stainless Steel/Teflon® or PVC/Teflon construction available.
- Rugged threaded construction for easy disassembly.
- Pumping rates up to 1.0 gpm (3.8 lpm) @ 20 feet (6m).
- Withstands dry pumping.
- Operates efficiently when fully submerged, partially submerged or when suspended above the fluid column (must use product only skimming float).
- Intrinsically safe.
- Skimming float attachment available for 2-inch and larger wells.



REMEDATION BLADDER PUMPS

DESIGN SPECIFICATIONS

MODEL	MATERIAL *	O.D. (in./mm.)	LENGTH (in./cm.)	WEIGHT (lbs./kg.)	CAPACITY (ml.)	LIFT (ft./m.)
51006	S.S./TEFLON	1.66/42	43/109	6.8/3.1	300	400/122
51012	PVC/TEFLON	1.90/48	43/109	3.7/1.7	300	400/122

SUPPORT EQUIPMENT OPTIONS

- Models 50001 or 5940 Pneumatic Controllers.
- Model 51040 Skimming Float Attachment.
- Model 50275 Gas Drive Conversion Kit.

* Note: Bladder constructed of polyurethane.

LIQUID TUBING OPTIONS

(.500" O.D. X .375" I.D.)

Teflon [®]	Model 6396
Polyethylene	Model 52021
Nylon	Model 52006

AIR TUBING OPTIONS

(.375" O.D. X .250" I.D.)

Teflon [®]	Model 6395
Polyethylene	Model 52022
Nylon	Model 52013

ENGINEERING SPECIFICATIONS

1. The pump shall be a positive displacement bladder squeeze pump, where drive air does not contact the liquid.
2. The pump shall permit liquid to enter the interior of the bladder through a bottom check valve and permit air to enter the annulus between the pump body and bladder through an upper air inlet/outlet.
3. The pump shall incorporate a field replaceable, factory sealed and tested, bladder cartridge.
4. The pump shall withstand continuous operation at 200 psi (14 bars) without modification.
5. The pump shall be capable of dry pumping without damage.
6. The pump shall have minimum .375" liquid discharge porting, without restrictions, to minimize emulsification of free product.
7. The pump shall have a threaded intake (3/4" female pipe thread) to permit use of a skimming float.
8. The pump shall be convertible to a gas drive pump.

Note: Teflon is a registered trademark of E.I. duPont.

• **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 •