

Eliminator™ Pump System



The Eliminator™ is a high capacity bladder pump designed for DNAPL removal in 2" (50 mm) and 4" (100 mm) wells. The Eliminator is also used to handle viscous contaminants, such as crude oil.

The Eliminator uses a bladder of PTFE or elastomer to isolate the pump air supply from the pumped liquid. As a result, there is no contact between the drive air and the contaminated fluids inside the bladder and, therefore, no emissions of potentially contaminated air.

Eliminator pumps provide reliable bottom-inlet pumping. A wide range of accessories are available, including "roving" well caps to allow accurate pump inlet positioning, and bladder replacement kits for easy field maintenance.

The Eliminator is powered by compressed air and requires an external timer-based controller to control the air cycling ON and OFF to the bladder pump. Controller options include the solar/AC powered C100M and the all-pneumatic L360.

When the bladder is squeezed from the outside by the compressed air, fluid within the bladder is forced out through a check valve at the top of the pump. Then, when the air pressure around the bladder is exhausted, the bladder expands resuming its original shape. This pulls fluid into the bladder through the bottom inlet.

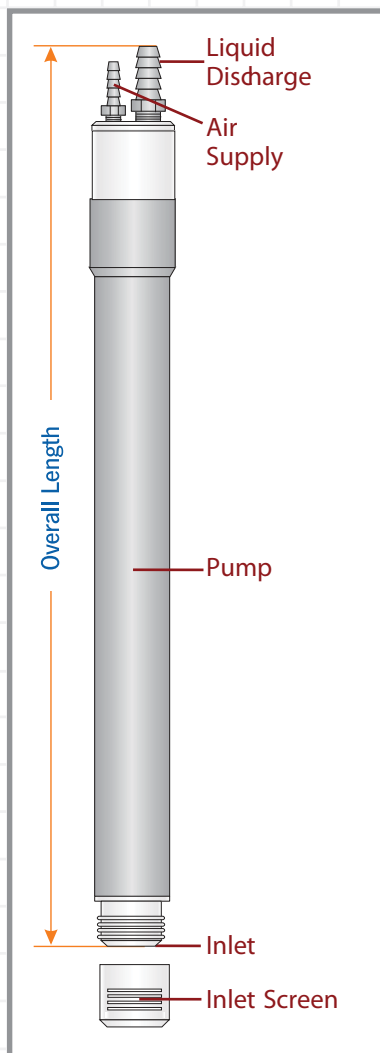
Warranty

Eliminator pumps are warranted for one (1) year.

Advantages

1. 100% air-powered operation.
2. No contact between drive air and contaminated fluids.
3. Available for 2" (50 mm) and 4" (100 mm) wells or larger.

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Specifications

Model No.	2 in. 301301	2 in. 301311	4 in. LP1702
Pump Type	Pneumatic bladder	Pneumatic bladder	Pneumatic bladder
Inlet	Top or Bottom	Top or Bottom	Top or Bottom
OD	1.7 in. (4.3 cm)	1.7 in. (4.3 cm)	3 in. (7.5 cm)
Length	57 in. (145 cm)	82 in. (208 cm)	40 in. (102 cm)
Weight	6 lbs. (2.7 kg)	7 lbs. (3.2 kg)	11.5 lbs. (5.2 kg)
Materials	Stainless steel, brass Viton®, Teflon®, Urethane bladder	Stainless steel, brass Viton®, Teflon®, Urethane bladder	Stainless steel, Q-Tal, GeoLast bladder, Viton® o-rings
Fittings	Brass quick-connects	Brass quick-connects	Brass barbs
Fitting Sizes	Liquid Discharge: 1/4 in. (.64 cm) Air Supply: 1/4 in. (.64 cm)	Liquid Discharge: 1/4 in. (.64 cm) Air Supply: 1/4 in. (.64 cm)	Liquid Discharge: 3/4 in. (19 mm) Air Supply: 1/2 in. (13 mm)
Volume per Cycle	.03 gal. (125 mL)	.06 gal. (245 mL)	0.53 gal. (2,000 mL)
Operating Pressure Range	40-100 psi (2.8-6.9 bar)	40-100 psi (2.8-6.9 bar)	40-100 psi (2.8-6.9 bar)
Maximum Depth	150 ft. (46 m)	150 ft. (46 m)	230 ft. (70 m)
*Maximum Flow Rate	.135 gpm (.51 Lpm)	.260 gpm (.983 Lpm)	6 gpm (23 Lpm)
Minimum Submergence	3 in. (7.6 cm)	3 in. (7.6 cm)	18 in. (45.6 cm)
Density of Pumped Liquid	Any	Any	Any
Cap Sizes	2, 3, 4, 5, 6, and 8 in. (50, 75, 100, 125, 150 and 200 mm)	2, 4, 5, 6, and 8 in. (50, 75, 100, 125, 150 and 200 mm)	2, 4, 5, 6, and 8 in. (50, 75, 100, 125, 150 and 200 mm)

Note: Custom bladder pumps are available, consult factory at 800-624-2026.

Note: The volume per cycle and maximum flow rate shown are estimates; the liquid submergence and air pressure supplies can affect these estimates. Viton is registered trademark of DuPont Dow Elastomers. Teflon is a registered trademark of Dupont.

* gpm = gallons per minute, Lpm = liters per minute

C100M Pump Controller

The C100M Digital Controller is solar-powered and provides advanced operational capabilities at an economical price. Easy-to-use digital control of pump discharge and refill cycles and programmed OFF times make it convenient to optimize LNAPL recovery to match site conditions.



L360 Controller

The L360 Cycle Controller provides rugged, all-pneumatic control of pump cycle times for the Programmable Genie, Ferret and Pulse Pump. The L360 is especially suited to sites where no electronics are allowed, or where pump cycle rates exceed the limits of the C100M in solar mode. The L370 LevelMate can be used with the L360 to shut off the system when the well level drops below the set point.

