

Total Fluids Recovery Pump

Geotech 1.66 Auto-Reclaimer

The 1.66 Auto-Reclaimer is designed to pump floating hydrocarbons, leachate, condensate and total fluids applications. The 1.66 Auto-Reclaimer is operated automatically, and needs no controller. Everything needed to operate the system is built into the pump. The design withstands the harshest and most corrosive environments such as refineries, landfills or mines.

FEATURES

- Intrinsically safe design and approved for hazardous environments
- 2" diameter wells
- Ability to pump from 250'
- Production rates up to 3 gpm
- Can pump particles up to 1/16" diameter
- Built-in positive valve shifting mechanism
- Working pressures as low as 1 psi above head pressure
- Stainless steel housing and corrosive resistant materials for less maintenance
- Options include: Quick connect fittings, top or bottom loading configurations and dual loading configurations
- Accessories include: Tankfull Shut-Off, standard well caps, flange well caps, pump cycle counter, and bonded tubing packages

SPECIFICATIONS

Outside Diameter	1.66"
Lengths Up To:	56.3"
Weight	10.0 lbs.
Minimum Activation Level	38.0"
Minimum Well ID	2"
Operating Pressure Range	5-120 psi
Minimum Operating Pressure	1 psi
Volume/Cycle*	.11 gal.
Maximum Flow Rate**	3.00 gpm
Standard Fittings	Stainless steel barb
Fluid Discharge	1/2" x 3/8" MPT
Air Supply	1/4" x 1/8" MPT
Air Exhaust	1/4" x 1/8" MPT

*Specific gravity and viscosities will alter specifications

**Flow rates will vary with site conditions



1.66 Auto-Reclaimer
Dual Loading

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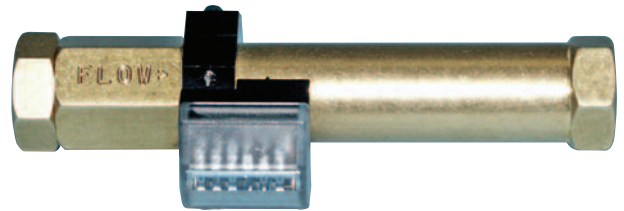
Geotech 1.66 Auto-Reclaimer, Accessories

PNEUMATIC CYCLE COUNTER

The Pneumatic Cycle Counter is mounted inline after the filter/regulator and passes compressed air to the pump. Utilizing a piston like action, the internal magnet slide assembly moves forward (in the direction of air flow) during the on cycle and returns to a seated position in the off cycle. The digital counter senses the movement of the slide assembly and records the cycle, increasing the number by one digit. The process repeats with each cycle of the pump.

Pneumatic Cycle Counter Specifications:

Model	GEOPC166	
Material	464 Naval Brass	
Size	5" L x 2" D	
Thread Type	¼" FPT	
Pressure Range	40-120 psi	
No. of Counts Before Rollover	999,999	
Air Supply Tubing Sizes:	¼" ID	¾" ID
Minimum Distance To Pump	15'	15'
Maximum Distance From Pump	275'	350'



WELL CAPS AND ACCESSORIES

A Standard Slip

Penetrations, with safety cable hanger
Available for 2, 3, 4, 6, and 8 inch diameter wells

B Compression Slip

Compression fittings, with safety cable hanger
Available for 2, 3, 4, 6, and 8 inch diameter wells

C Vacuum Caps

Potted well cap for a complete vacuum seal
Barbed style fittings, with safety cable hanger
Available with quick-connect fittings
Available for 2, 3, 4, 6, and 8 inch diameter wells

Standard Fittings Provided:

Air – ¼" Barb

Exhaust – ¼" Barb

Discharge – ½" Barb

Custom well caps available upon request.



TUBING

Bonded Nylon 12 Specifications:

Air Supply	¼" ID x ¾" OD
Exhaust	¼" ID x ¾" OD
Discharge	½" ID x ¾"
Minimum Bend Radius	16"
Maximum Pressure	450 psig @ 70°F

Bonded Poly Specifications:

Air Supply	¼" ID x ¾" OD
Exhaust	¼" ID x ¾" OD
Discharge	½" ID x ¾"
Minimum Bend Radius	16"
Maximum Pressure	150 psig @ 70°F

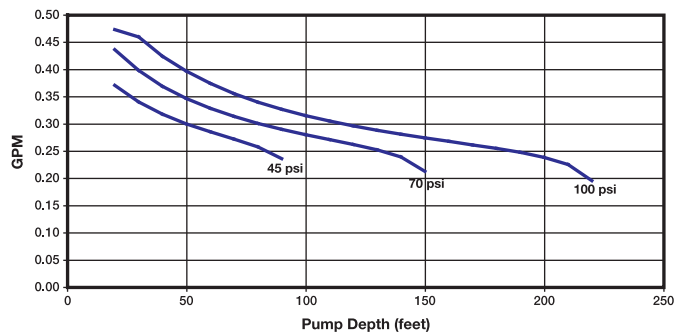
Tubing is available in a variety of materials, either bonded together or separate lines.



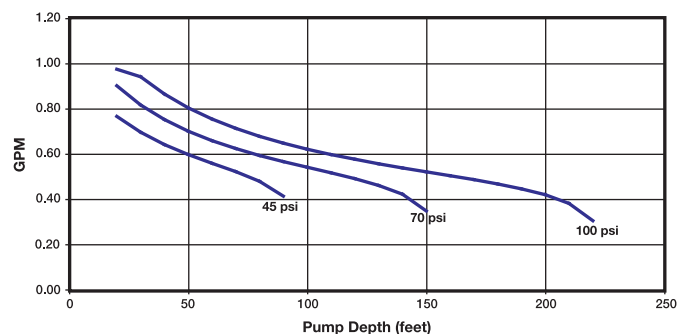
Total Fluids Recovery Pump

Geotech 1.66 Auto-Reclaimer, Performance Curve Graphs

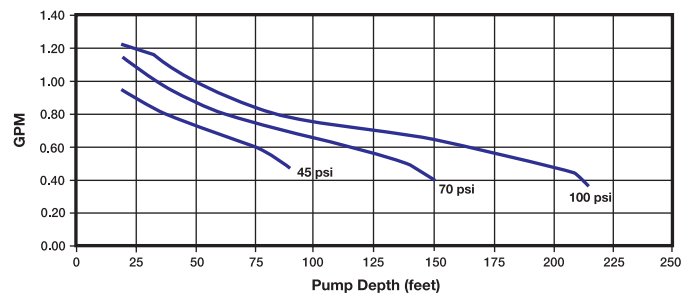
6 INCH SUBMERGENCE



48" Top Loading Fixed Intake
(1/2" ID Fluid Discharge Hose)

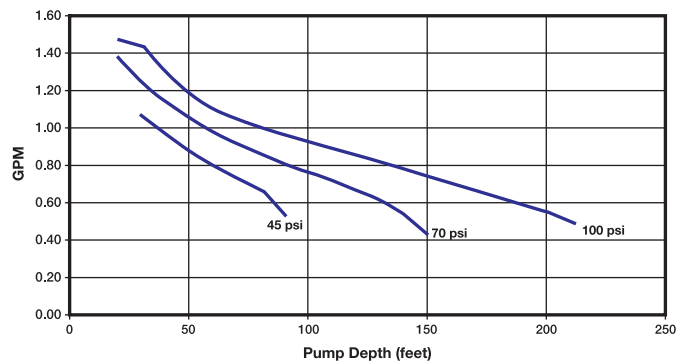


48" Bottom Loading Fixed Intake
(1/2" ID Fluid Discharge Hose)

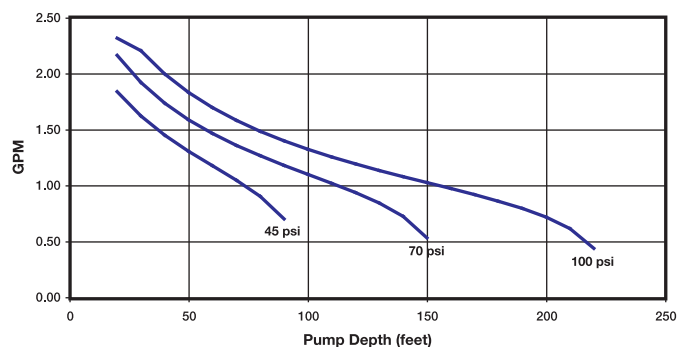


48" Dual Loading Fixed Intake
(1/2" ID Fluid Discharge Hose)

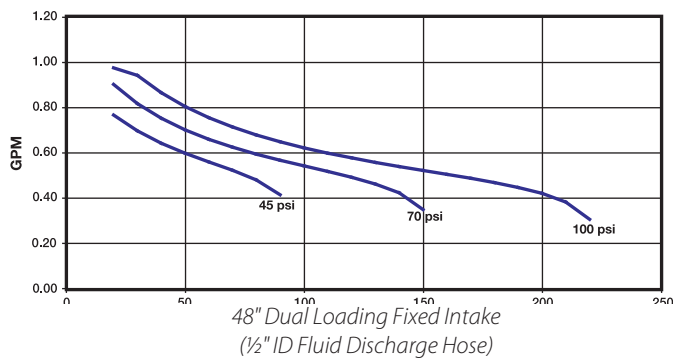
10 FOOT SUBMERGENCE



48" Top Loading Fixed Intake
(1/2" ID Fluid Discharge Hose)



48" Bottom Loading Fixed Intake
(1/2" ID Fluid Discharge Hose)

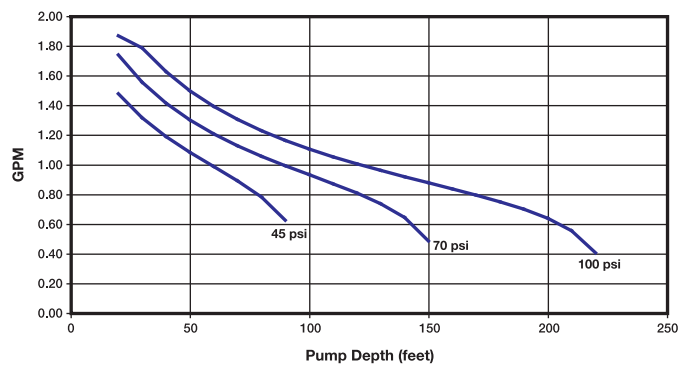


48" Dual Loading Fixed Intake
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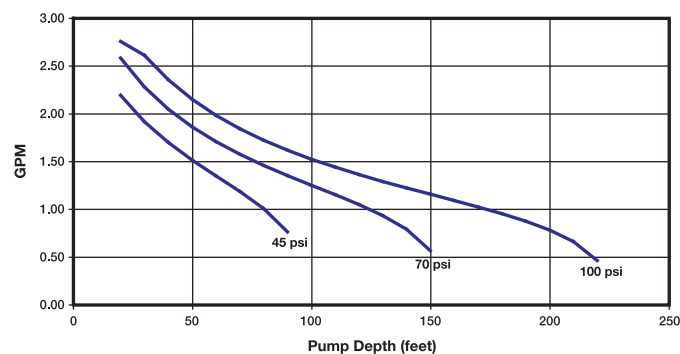
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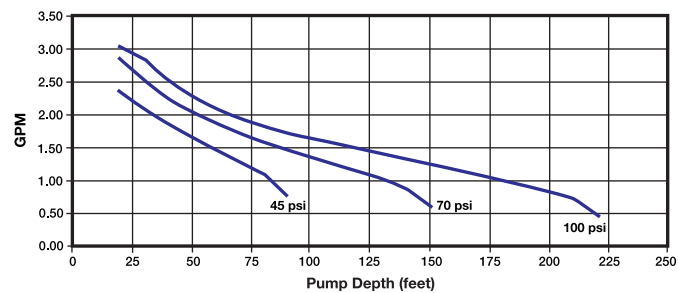
20 FOOT SUBMERGENCE



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