

# Total Fluids Recovery Pump



## Geotech 3.5 Auto-Reclaimer

The 3.5 Auto-Reclaimer is designed to pump floating hydrocarbons, leachate, condensate and total fluids applications. The 3.5 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 landfills or mines.

### FEATURES

- Intrinsically safe design and approved for hazardous environments
- 4" or larger diameter wells
- Ability to pump from 500'
- Production rates up to 15 gpm
- Can pump particles up to 1/8" diameter
- Built-in positive valve shifting mechanism
- Optimal working pressures as low as 1 psi above head pressure
- Standard light-weight composite housing, corrosive resistant stainless steel parts for less maintenance
- Options include: Stainless steel housing, quick connect fittings and landfill intakes
- Accessories include: Tankfull Shut-Off, standard well caps, flange well caps, pump cycle counter, and bonded tubing packages

### SPECIFICATIONS

	36" LA	36"	48"	60"
<b>Outside Diameter:</b>	3.5"	3.5"	3.5"	3.5"
<b>Lengths Up To:</b>	44.50"	44.50"	56.50"	68.50"
<b>Weight:</b>	15.9 lbs.	15.9 lbs.	18.0 lbs.	20.4 lbs.
<b>Minimum Activation Level:</b>	18.00"	33.00"	45.0"	57.0"
<b>Minimum Well ID:</b>	4"	4"	4"	4"
<b>Operating Pressure Range:</b>	5-275 psi	5-275 psi	5-275 psi	5-275 psi
<b>Minimum Operating Pressure:</b>	1 psi	1 psi	1 psi	1 psi
<b>Volume/Cycle*:</b>	.114 gal.	.45 gal.	.75 gal.	1.05 gal.
<b>Maximum Flow Rate**:</b>	3.50 gpm	14.00 gpm	14.50 gpm	15.00 gpm
<b>Standard Fittings:</b>	SS Barb	SS Barb	SS Barb	SS Barb
Fluid Discharge	3/4" x 3/4" MPT	3/4" x 3/4" MPT	3/4" x 3/4" MPT	3/4" x 3/4" MPT
Air Supply	3/8" x 3/8" MPT	3/8" x 3/8" MPT	3/8" x 3/8" MPT	3/8" x 3/8" MPT
Air Exhaust	1/2" x 3/8" MPT	1/2" x 3/8" MPT	1/2" x 3/8" MPT	1/2" x 3/8" MPT

\*Specific gravity and viscosities will alter specifications

\*\*Flow rates will vary with site conditions



Composite Housing

Stainless Steel Housing

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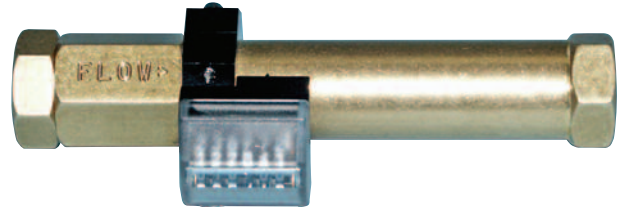
## Geotech 3.5 Auto-Reclaimer, Accessories

### 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	GEOPC350	
Material	464 Naval Brass	
Size	5" L x 2" D	
Thread Type	¼" FPT	
Pressure Range	40-275 psi	
No. of Counts Before Rollover	999,999	
Air Supply Tubing Sizes:	¾" ID	½" ID
Minimum Distance To Pump	15'	15'
Maximum Distance From Pump	350'	300'



### 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

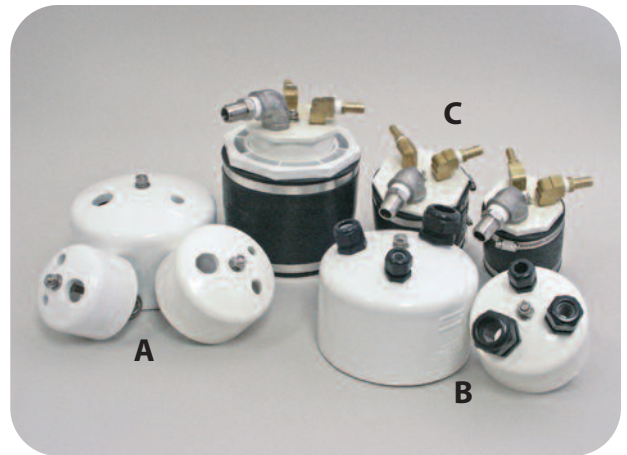
#### C Vacuum Caps

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 – ¾" Barb  
Exhaust – ½" Barb  
Discharge – ¾" Barb

Custom well caps available upon request.



### TUBING

#### Bonded Nylon 12 Specifications:

Air Supply	¾" ID x ½" OD
Exhaust	½" ID x ⅝" OD
Discharge	¾" ID x 1" OD
Minimum Bend Radius	24"
Maximum Pressure	330 psig @ 70°F
Maximum Continuous Length	100'

#### Bonded Poly Specifications:

Air Supply	¾" ID x ½" OD
Exhaust	½" ID x ⅝" OD
Discharge	¾" ID x 1" OD
Minimum Bend Radius	24"
Maximum Pressure	120 psig @ 70°F
Maximum Continuous Length	100'



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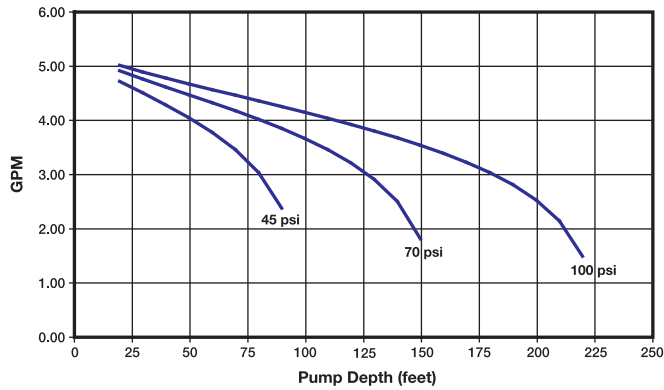
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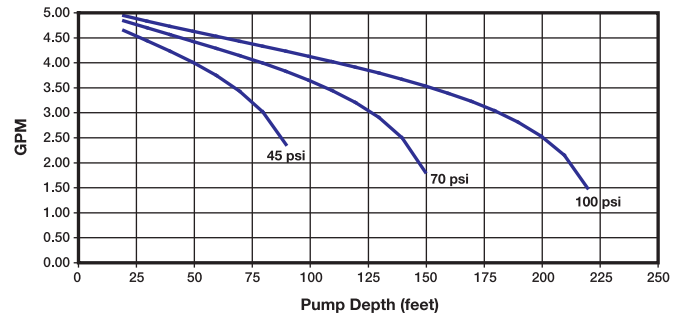


## Geotech 3.5 Auto-Reclaimer, Performance Curve Graphs

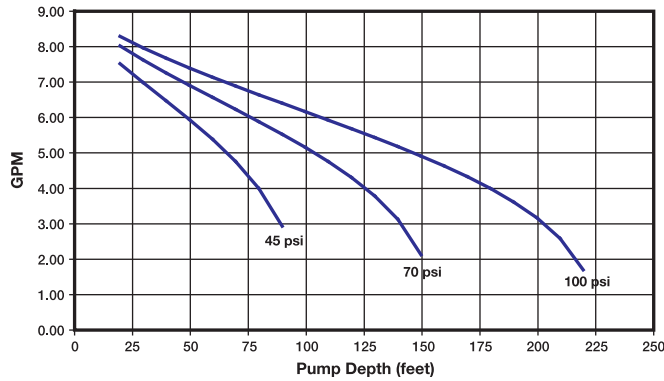
### 6 INCH SUBMERGENCE



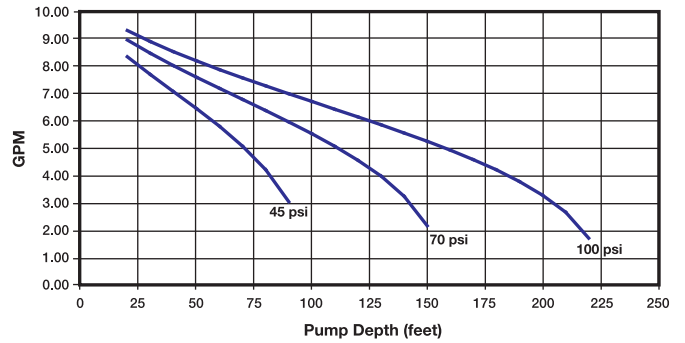
*36" Top Loading Fixed Intake  
(3/4" ID Fluid Discharge Hose)*



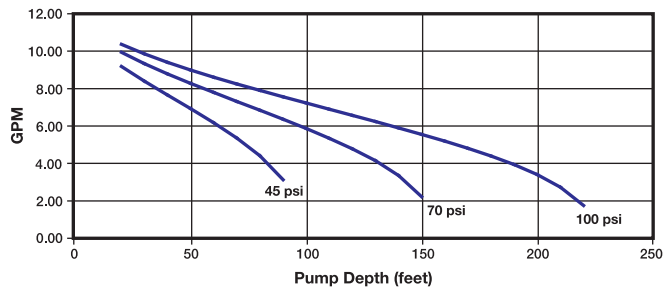
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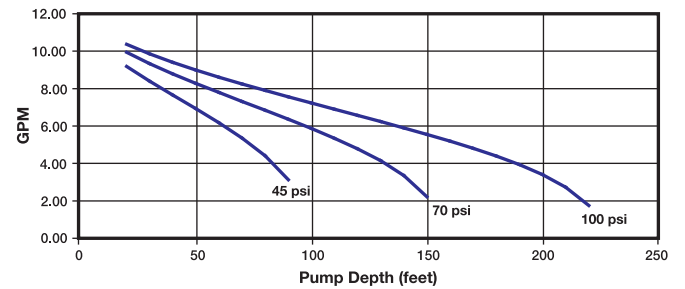
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*48" Bottom Loading Fixed Intake  
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*36" Dual Loading Fixed Intake  
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*48" Dual Loading Fixed Intake  
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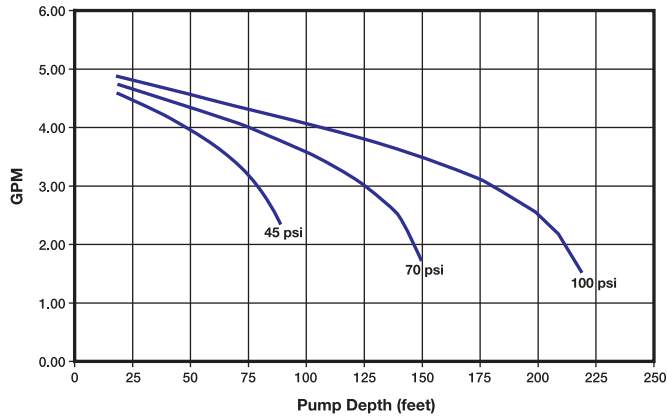
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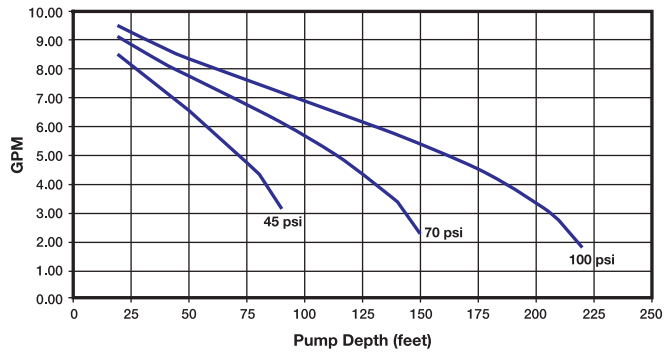


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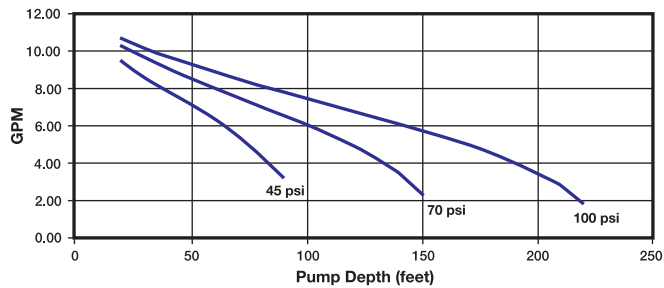
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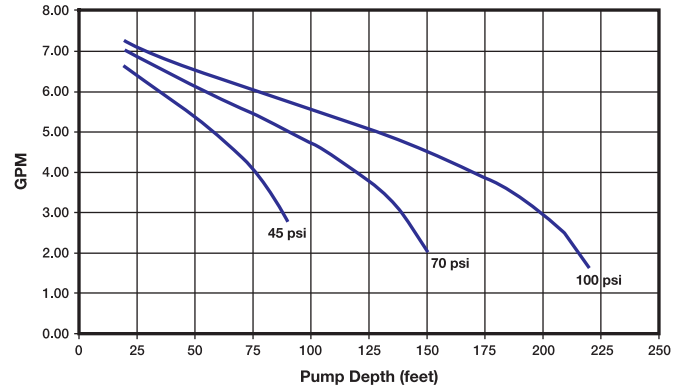


60" Bottom Loading Fixed Intake  
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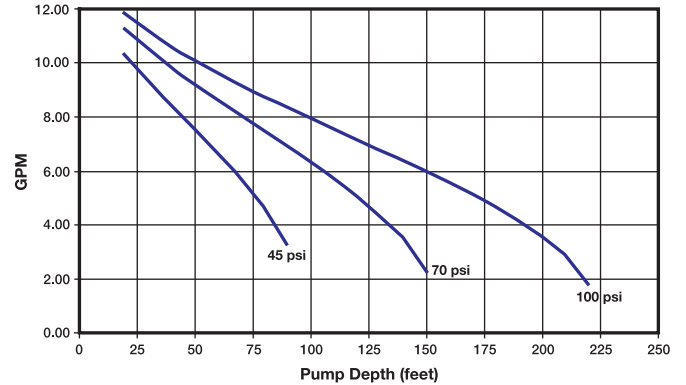


60" Dual Loading Fixed Intake  
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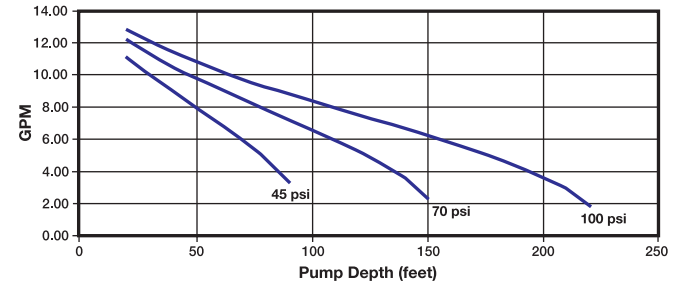
### 10 FOOT SUBMERGENCE



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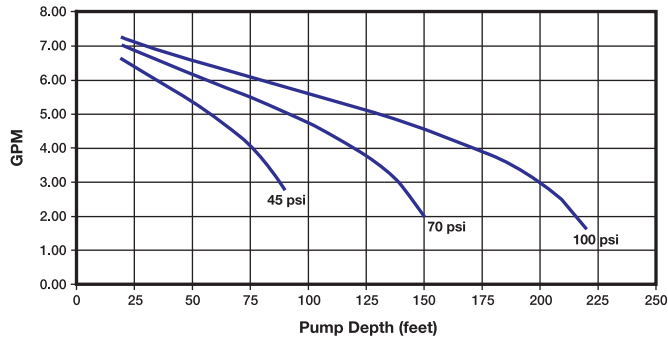
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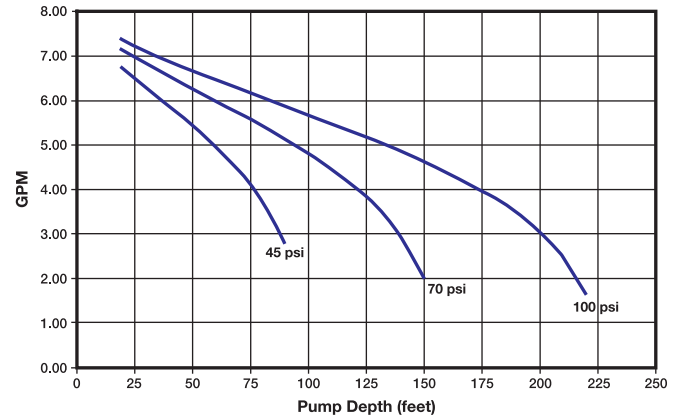


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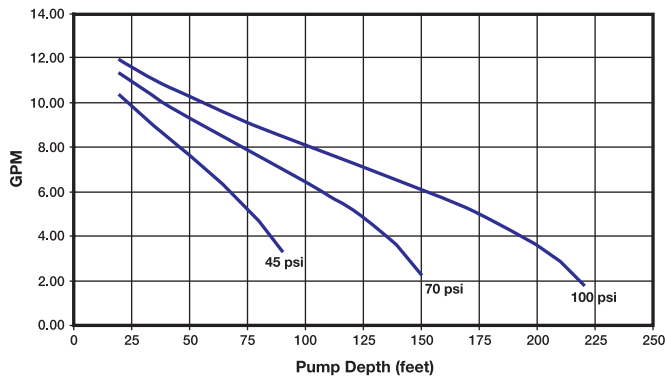
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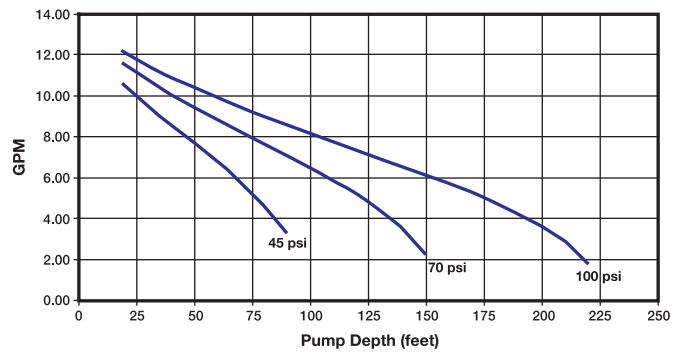
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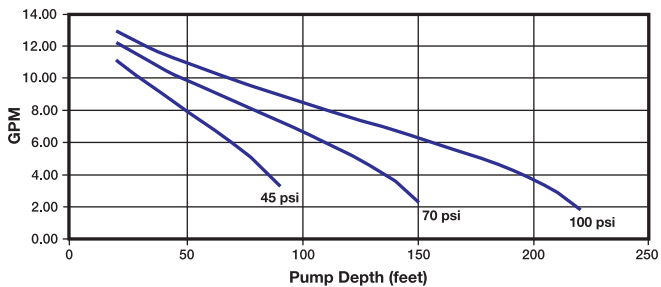
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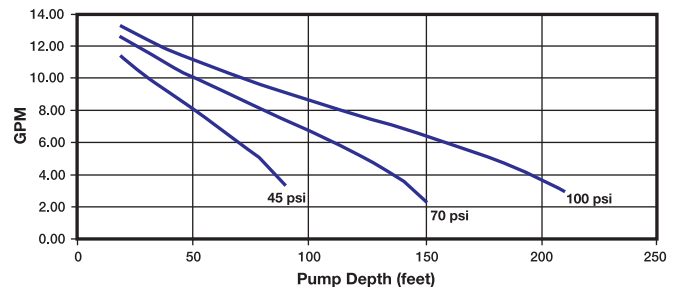
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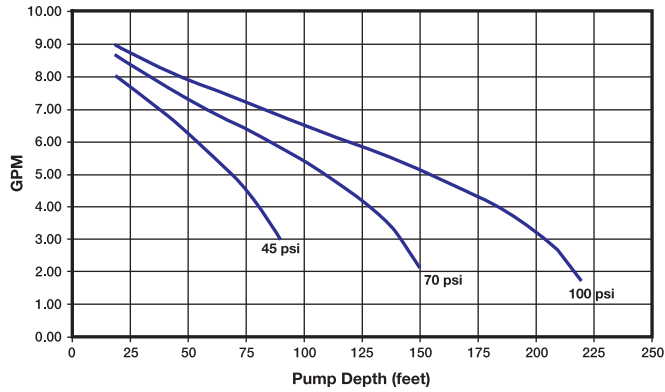
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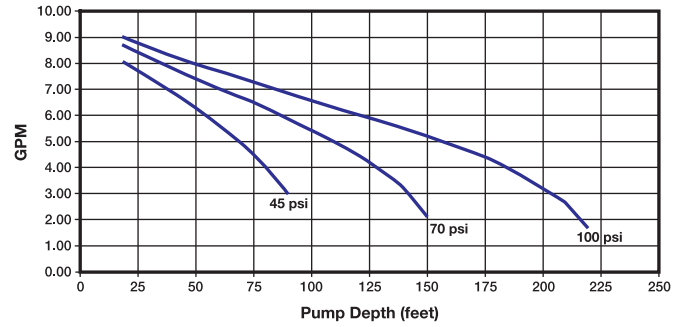


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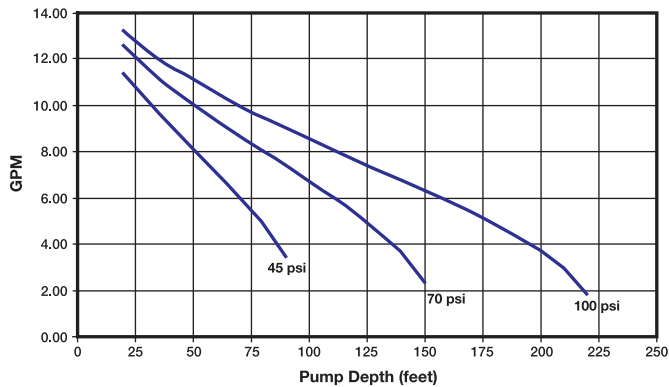
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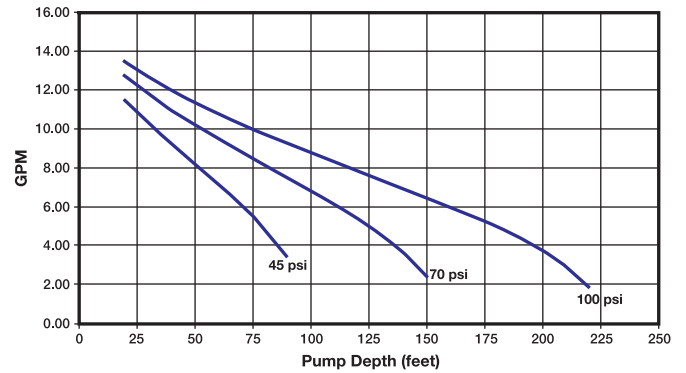
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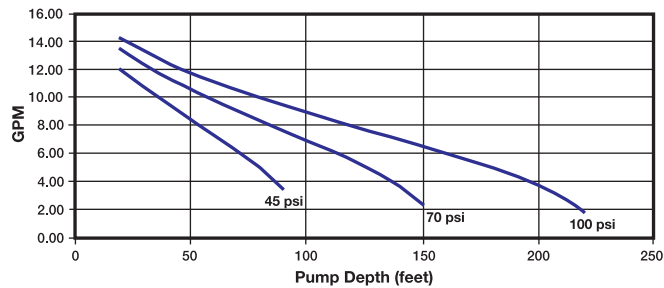
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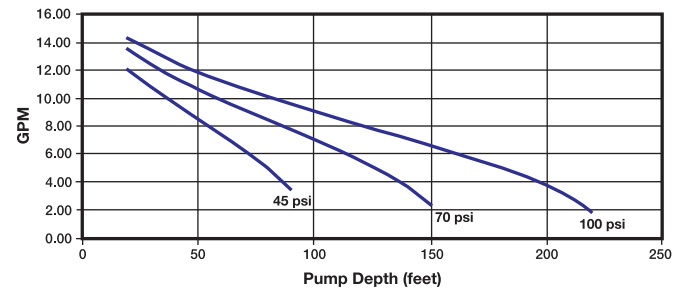
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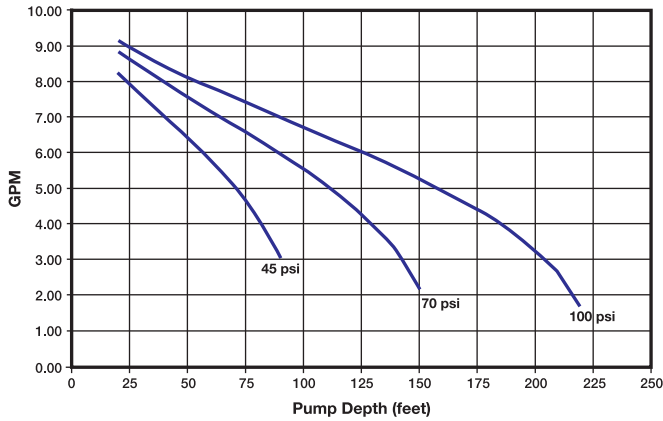
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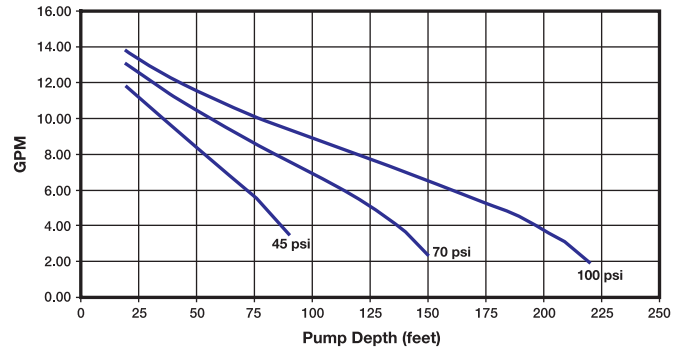


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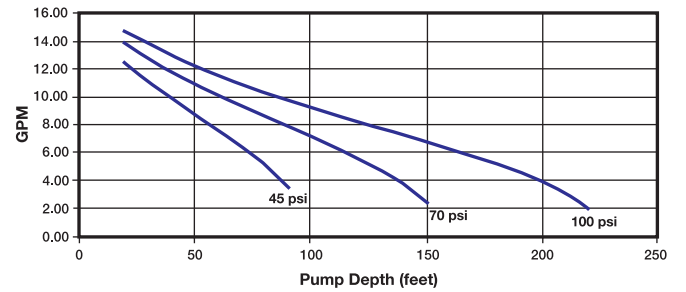
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