

The AR4 is designed to pump floating hydrocarbons, leachate, and condensate in total fluids applications. The AR4 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
- Fits 4" or larger diameter wells
- Ability to pump from 250' below ground
- Can pump particles up to 1/8" diameter
- Consistently pumps fluids as light as 0.70 SpG reliably
- New adjustment-free valve mechanism – no magnets
- Improved float design for maximum buoyancy and chemical compatibility
- Optimal working pressures as low as 1 psi above head pressure
- Standard light-weight composite housing, corrosive resistant 316 stainless steel and PVDF parts for less maintenance
- Fast and simple disassembly for easy maintenance

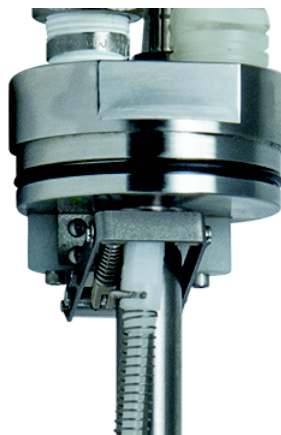


**Composite
Housing**

**Stainless Steel
Housing**



Pump Head



Pump Valve

CALL GEOTECH TODAY

(800) 833-7958

Geotech Environmental Equipment, Inc.

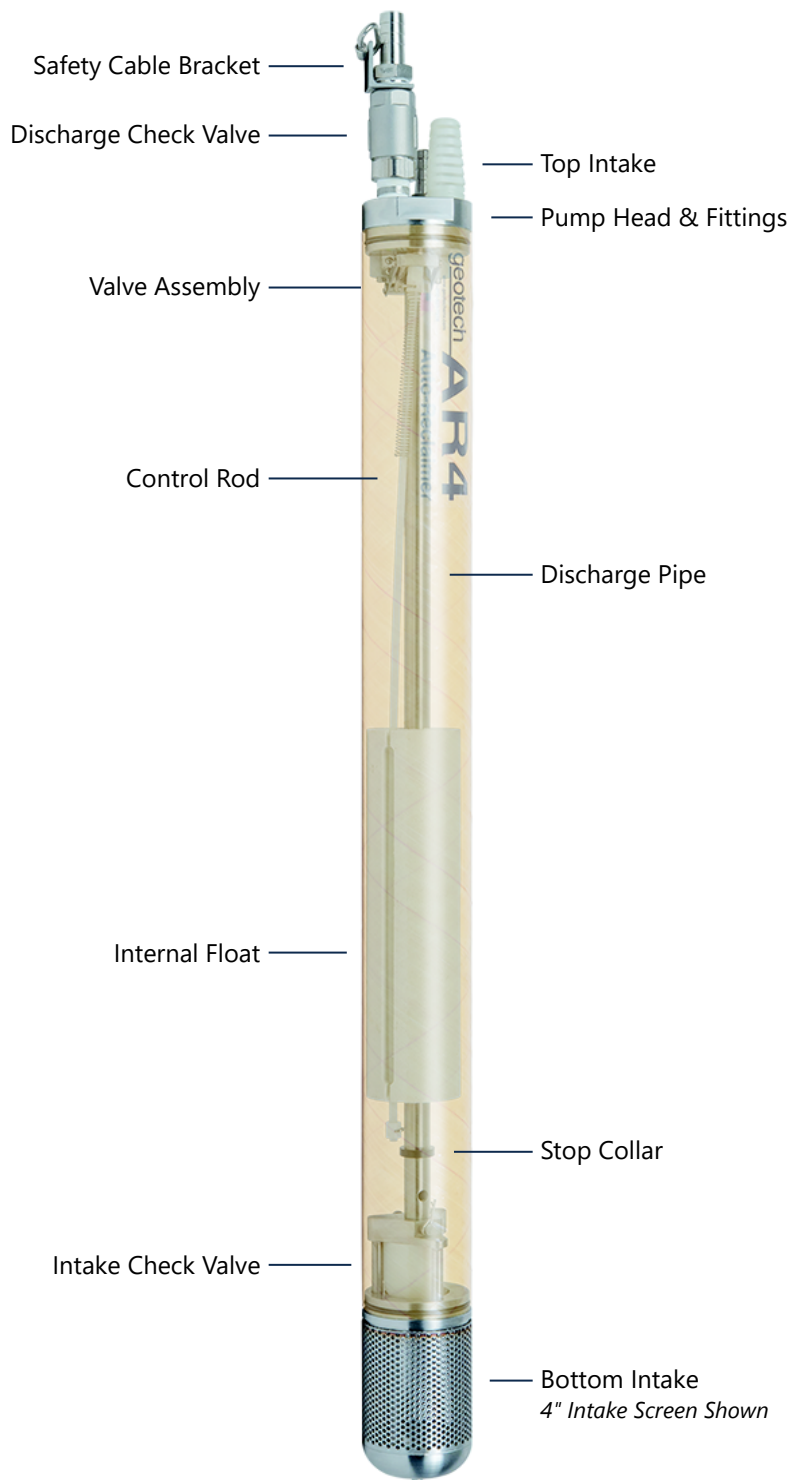
2650 East 40th Avenue Denver, Colorado 80205

(303) 320-4764 FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com

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AR4 COMPONENTS



AR4 Components



Top Intake



Optional Quick-Connect Fittings

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Technical Specifications

	SHORT/LOW ACTIVATION	LONG	EXT
Outside Diameter:	3.5" (8.9 cm)		
Lengths Up To:	48" (122 cm)	60" (152 cm)	72" (183 cm)
Weight:	13.5 lbs. (6 kg)	15.6 lbs. (7 kg)	17.7 lbs. (8 kg)
Min. Activation Level: Bottom Fill***	35" (89 cm) / 17" (43 cm)	47" (119 cm)	59" (150 cm)
Min. Activation Level: Top Fill***	42.5" (108 cm)	54.5" (138.4 cm)	66.5" (169 cm)
Operating Pressure Range:	10-120 psi (0.7-8.5 kg/cm ²)		
Max. Operating Temp:	220°F (104°C)		
Fluid Volume/Cycle*:	.7 gal. (2.6 liter)	1.0 gal. (3.8 liter)	1.5 gal. (5.6 liter)
Max. Flow Rate**:	8.5 gpm (32 lpm)		
Standard Fittings: Fluid Discharge Air Supply Air Exhaust	SS Barb ¾" x ¾" MPT ⅜" x ⅜" MPT ½" x ⅜" MPT		
Materials of Construction:	Includes: SS316, FRP, FPM, PVDF, HDPE, PTFE, Viton®		

*Specific gravity and viscosities will alter specifications

**Flow rates will vary with site conditions

***Activation levels shown above reflect activation levels for pumps with a bottom or top and bottom inlets. To determine the activation level for a flat bottom intake, subtract 5" (12.7 cm) from the minimum activation level measurement above.

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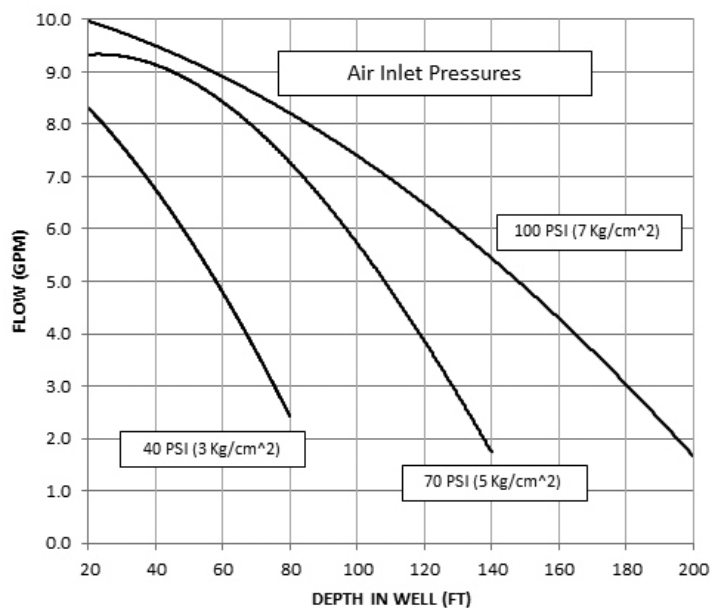
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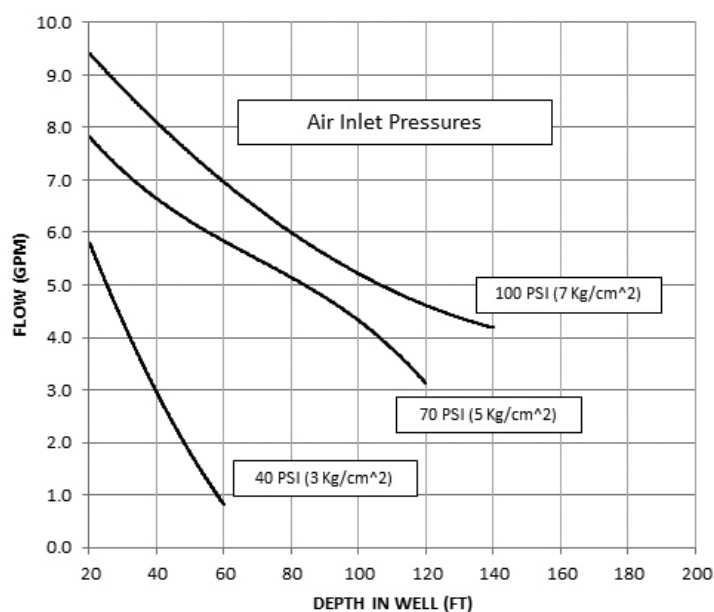
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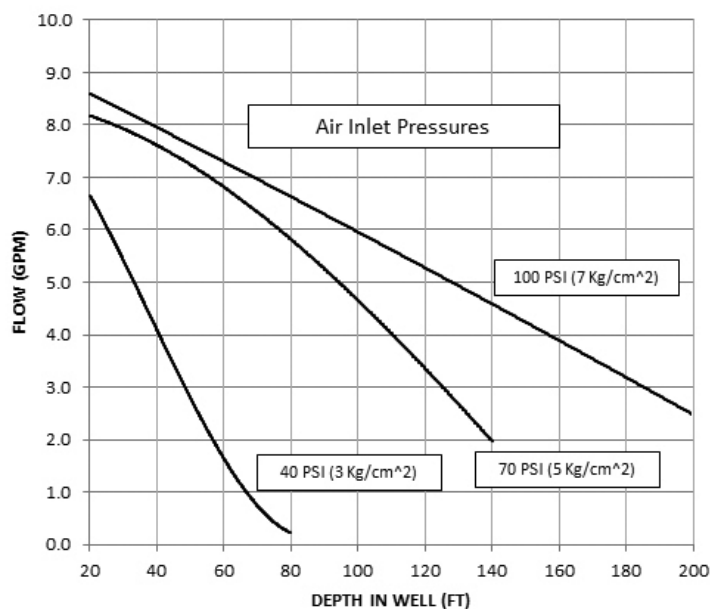
FLOW CURVES



AR4 Short, Bottom Inlet
10' (3m) Submergence, ¾" (19mm) ID Hose



AR4 Long, Bottom Inlet
10' (3m) Submergence, ¾" (19mm) ID Hose



AR4 Extended, Bottom Inlet
10' (3m) Submergence, ¾" (19mm) ID Hose

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PNEUMATIC CYCLE COUNTER

The Pneumatic Cycle Counter is mounted inline after the filter and allows you to total the volumes pumped and determine service and maintenance schedules.

Model: GEOPC350

Material: 464 Naval Brass

Size: 5" L x 2" W

Thread Type: 1/4" FPT

Pressure Range: 40-275 psi

No. of Counts Before Rollover: 999,999

Air Supply Tubing Sizes: 3/8" ID or 1/2" ID

Minimum Distance To Pump: 15'

Maximum Distance From Pump: 350' (3/8") / 300' (1/2")



Pneumatic Cycle Counter A variety of types for your air

COMPRESSORS & REGULATORS

Geotech can provide the compressed air equipment required for your Auto-Reclaimers.

Air Compressors

Geotech offers electric powered and gas powered compressors, selected for dependability, low maintenance and oil-free high performance.

Air Regulators

A variety of types for your air supply line requirements.



TUBING

HDPE:

Air Supply: 3/8" ID x 1/2" OD

Exhaust: 1/2" ID x 5/8" OD

Discharge: 3/4" ID x 1" OD

Min. Bend Radius: 24"

Max. Pressure: 120 psig @ 70°F

Max. Continuous Length: 300'



Tubing



Air Regulators

WELL CAPS AND ACCESSORIES

Standard Slip

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

Compression Slip

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

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 – 3/8" Barb Exhaust – 1/2" Barb Discharge – 3/4" Barb

Custom well caps and quick-connect fittings available upon request.



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