

INNOVATIVE LANDFILL AND REMEDIATION PUMPING



LIMIT LANDFILL LIQUID EXTRACTION

QED has expanded the AP4 Ultra pump family for operations where leachate pumping volumes should be controlled. The new AP4 LTD series combines the unique, non-stick coating and polishes of the AP4 Ultra with innovative internal controls to limit pump flow to a maximum of 2 gpm (7.57 lpm). This controlled pumping rate ensures liquid levels are kept at optimum levels. When extraction volume is controlled, disposal logistics are easier to manage.

FEATURES

- Fixed internal flow control
- Proprietary finish on internal components
- Unique non-stick finish on pump float
- Reduced pump fouling
- Reduced service requirement

ADVANTAGES OF THE LIMITED FLOW AUTOPUMP

- **Eliminates the need for ancillary throttling valves** (these valves require periodic adjustments)
- **Protects against over pumping the gas well** (over pumping can cause silting in)
- **Automatically limits the liquid extraction rate**

GENERATING TOO MUCH LANDFILL LIQUID CAN:

- Overwhelm the storage system
- Be detrimental to the treatment system microbes
- Inhibit the UV disinfectant capacity
- Add significant expense to the treatment cost

The AP4+ LTD takes the worry out for the gas well liquid management staff. Put the pump in and forget about it. No need to monitor the flow rate or the throttle valve settings!

TECHNICAL SPECIFICATIONS

Model	4"- Short AP4.0 Bottom Inlet
Liquid Inlet Location	Bottom
OD	3.6 in. (9.1 cm)
Length Overall (pump & fittings)	40.8 in. (104 cm)
Weight	13 lbs. (7.3 kg)
Max. Flow Rate	2 gpm(7.57 lpm)*- See Flow Rate Chart
Pump Volume / Cycle	0.22- 0.36 gal (0.83 – 1.36L)
Min. Actuation Level	26.7 in. (67.8 cm)
STANDARD PUMP	
Max. Depth	250 ft. (76 m)
Air Pressure Range Air Usage	5- 120 psi (0.4- 8.4 kg/cm2) 0.28-1.65 scf / gal. (2.09-12.34 liters of air /fluid liter)- See Air Usage Chart
STANDARD CONSTRUCTION MATERIALS	
Pump Body	Fiberglass or Stainless Steel
Pump Ends	316 Stainless Steel
Internal Components	316 Stainless Steel, Viton, PVDF3
Tube & Hose Fittings	316 Stainless Steel
Fitting Type	Barbs or Quick Connects or Easy Fittings
TUBE & HOSE OPTIONS	
Tubing Material	Nylon
Sizes - Liquid Discharge	1 in. (25 mm) OD
Pump Air Supply	1/2 in. (13 mm) OD
Air Exhaust	5/8 in. (16 mm) OD
Hose Material	Nitrile
Sizes - Liquid Discharge	3/4 in. (19 mm) or 1 in. (25 mm) ID
Pump Air Supply	3/8 in. (9.5 mm) ID
Air Exhaust	1/2 in. (13 mm) ID



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