

# LDAP4B

AutoPump®

## Low-Drawdown, Bottom Inlet

**Max. Flow** 7.0 gpm (26.5 lpm)

**O.D.** 3.5 in (8.9 cm)

**Length** 25 in. (63.5 cm)



### Description

The AP4 Low-Drawdown Bottom Inlet AutoPump provides maximum capabilities and flow in a bottom inlet pump for 4" (100 mm) diameter and larger wells with very short water columns and/or the need to pump down to as low as 11.5 inches (29 cm) above the bottom. It is offered in optional versions to handle even the most severe remediation and landfill pumping applications, and delivers flow rates up to 7 gpm (26.5 lpm). The AP4 Low Drawdown Bottom Inlet AutoPump is complemented by the most comprehensive selection of accessories to provide a complete system to meet site specific requirements. Call QED for prompt, no-obligation assistance on your pumping project needs.

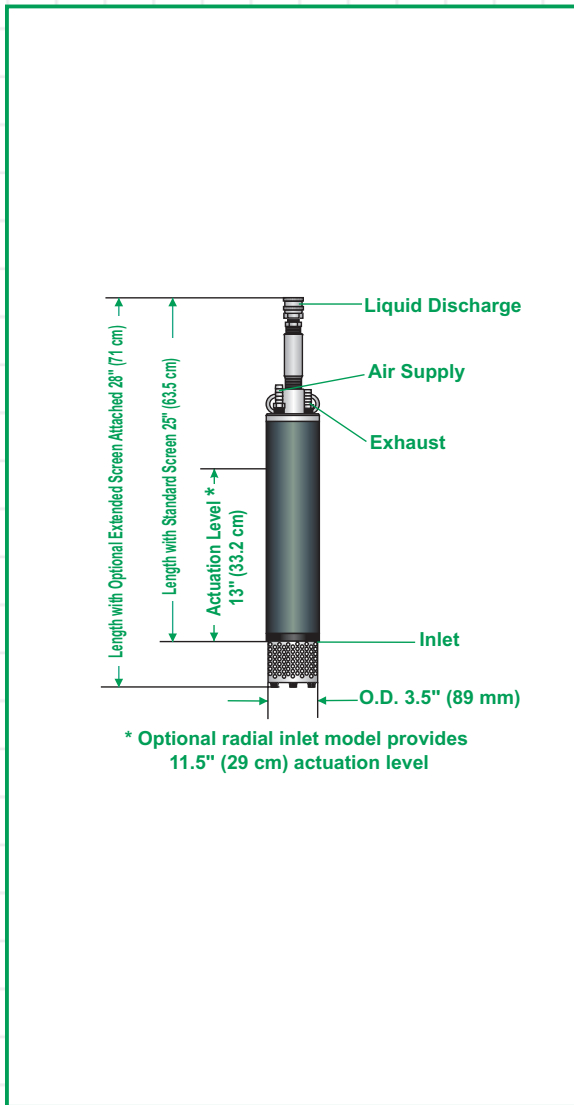
### The AutoPump Heritage

The AP4 Low-Drawdown Bottom Inlet AutoPump is part of the famous AutoPump family of original automatic air-powered pumps, developed in the mid 1980s specifically to handle unique pumping needs at remediation and landfill sites. Over the years they've proven their durability at thousands of sites worldwide. AutoPumps are designed to handle difficult pumping challenges that other pumps can't, such as hydrocarbons, solvents, suspended solids, corrosives, temperature extremes, viscous fluids and frequent start/stop cycles. Beyond just the pump, AutoPump systems offer the most complete range of tubing, hose, connectors, wellhead caps and accessories to help your installation go smoothly. This superior pumping heritage, application experience and support back up every AutoPump you put to work on your project.

### Advantages

1. **The original automatic air-powered well pump, proven worldwide over 18 years**
2. **The highest flow rates and deepest pumping capabilities in the industry in a low drawdown top-fill pump**
3. **Patented, proven design for superior reliability and durability, even in severe applications**
4. **Handles solids, solvents, hydrocarbons corrosive conditions, viscous fluids and high temperatures beyond the limits of electric pumps**
5. **One-year warranty**

### Pump Dimensions



### Specifications & Operating Requirements

<b>Model</b>	<b>4" - Low-Drawdown AP4 Bottom Inlet</b>
<b>Liquid Inlet Location</b>	Bottom ( standard plug type check valve)
<b>OD</b>	3.5 in. (8.9 cm)
<b>Length Overall (pump &amp; fittings)</b>	25 in. (63.5 cm)
<b>Length Overall, w / Extended Screen</b>	28 in. (71.1 cm)
<b>Weight</b>	11 lbs. (5.0 kg)
<b>Max. Flow Rate</b>	7 gpm (26.5 lpm)
<b>Pump Volume / Cycle</b>	0.11 - 0.16 gal (.42 - .61L)
<b>Max. Depth</b>	250 ft. (76 m)
<b>Air Pressure Range</b>	5 - 120 psi (0.4 - 8.4 kg/cm <sup>2</sup> )
<b>Min. Actuation Level</b>	13 in. (33.2 cm) standard outlet 11.5 in. (29 cm) w/ radial inlet
<b>Air Usage</b>	.32 - 2.86 scf/gal (2.2 - 21.5 litres of air/fluid litres) See air usage chart
<b>Min. Liquid Density</b>	0.7 SpG (0.7 g/cm <sup>3</sup> )
<b>Standard Construction Materials<sup>1</sup></b>	
<b>Pump Body</b>	Fiberglass or Stainless Steel
<b>Pump Ends</b>	Stainless Steel, UHMWPE <sup>3</sup> , Brass
<b>Internal Components</b>	Stainless Steel, Viton, Acetal, PVDF <sup>4</sup>
<b>Tube &amp; Hose Fittings</b>	Brass or Stainless Steel
<b>Fitting Type</b>	Barbs or Quick Connects
<b>Tube &amp; Hose Options</b>	
<b>Tubing Material<sup>2</sup></b>	Nylon
<b>Sizes - Liquid Discharge</b>	1 in. (25 mm) or 1-1/4 in. (32 mm) OD
<b>Pump Air Supply</b>	1/2 in. (13 mm) OD
<b>Air Exhaust</b>	5/8 in. (16 mm) OD
<b>Hose Material</b>	Nitrile
<b>Sizes - Liquid Discharge</b>	3/4 in. (19 mm) or 1 in. (25 mm) ID
<b>Pump Air Supply</b>	3/8 in. (9.5 mm) ID
<b>Air Exhaust</b>	1/2 in. (13 mm) ID

<sup>1</sup>Material upgrades available  
<sup>2</sup>Applies to QED supplied tubing;  
 other tubing sources may not  
 conform to QED fittings.

<sup>3</sup>UHMWPE - Ultra High Molecular Weight Polyethylene

<sup>4</sup>PVDF - Polyvinylidene Fluoride

### Application Limits (Base model)

AP4 AutoPumps are designed to handle the application ranges described below. For applications outside these ranges, consult QED about AP4 upgrades.

Maximum Temperature: 150°F (65°C)

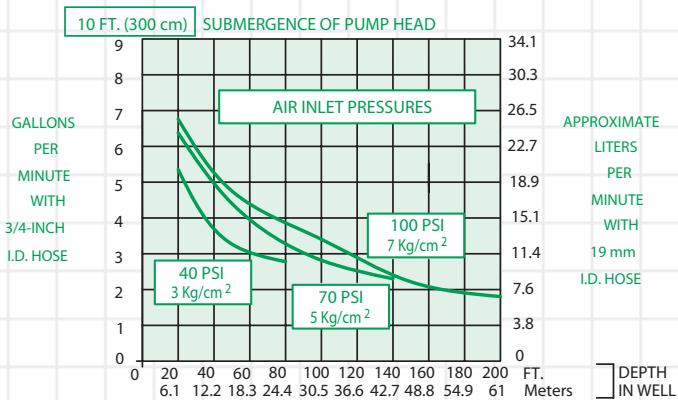
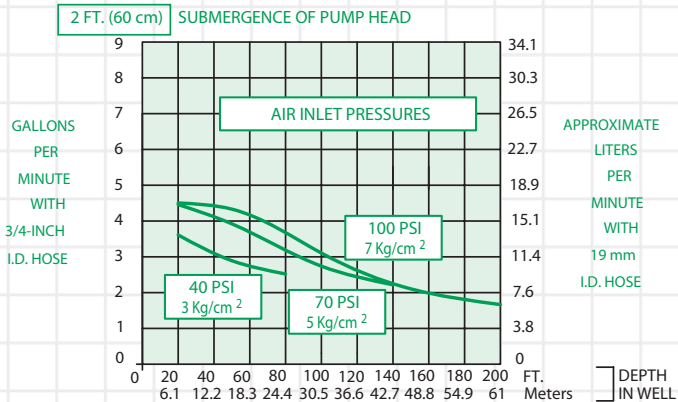
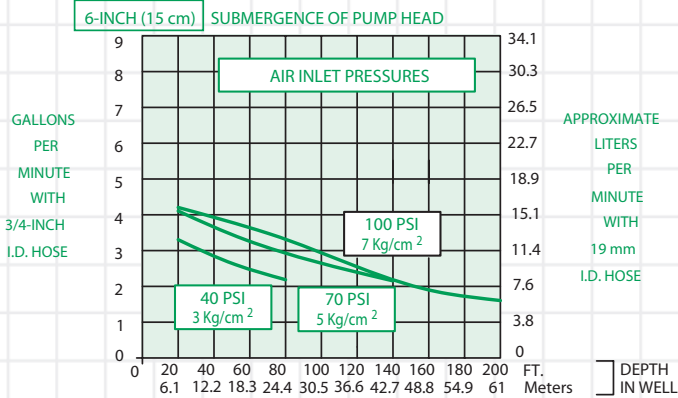
pH Range: 4-9

Solvents and Fuels: diesel, gasoline, JP1-JP6, #2 heating oils, BTEX, MTBE, landfill liquids

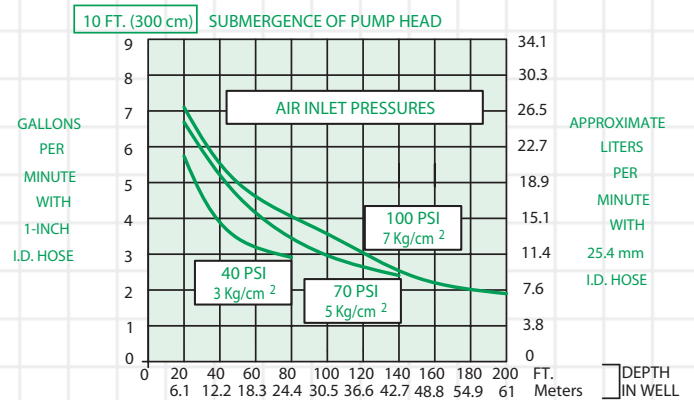
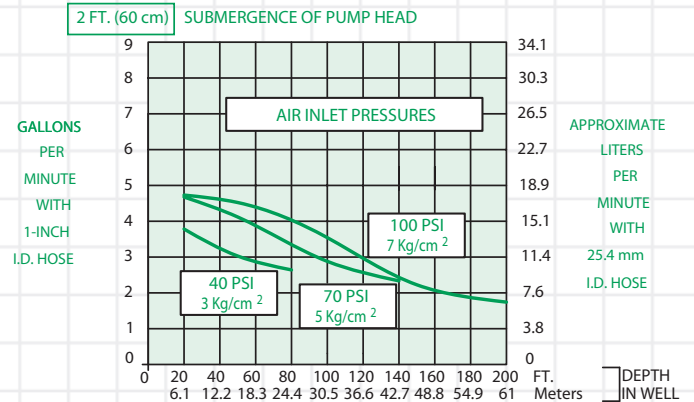
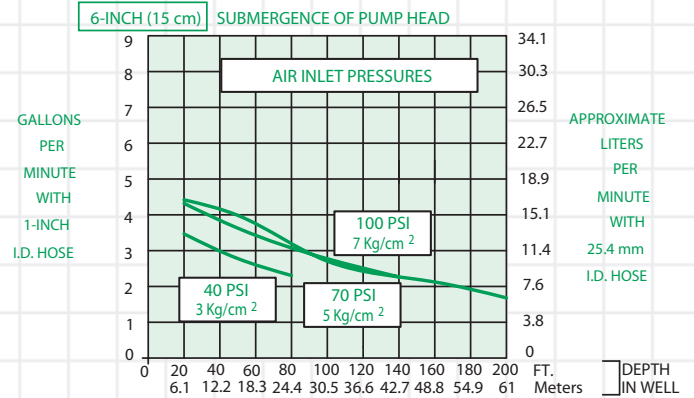
Low-Drawdown AP-4 AutoPumps warranted for one (1) year: 100% materials and workmanship.

### Flow Rates<sup>1</sup>

**3/4 inch (19 mm)  
Inside Diameter Discharge Hose**  
(Equivalent to 1-Inch O.D. Tubing)



**1 inch (25.4 mm)  
Inside Diameter Discharge Hose**  
(Equivalent to 1.25-Inch O.D. Tubing)

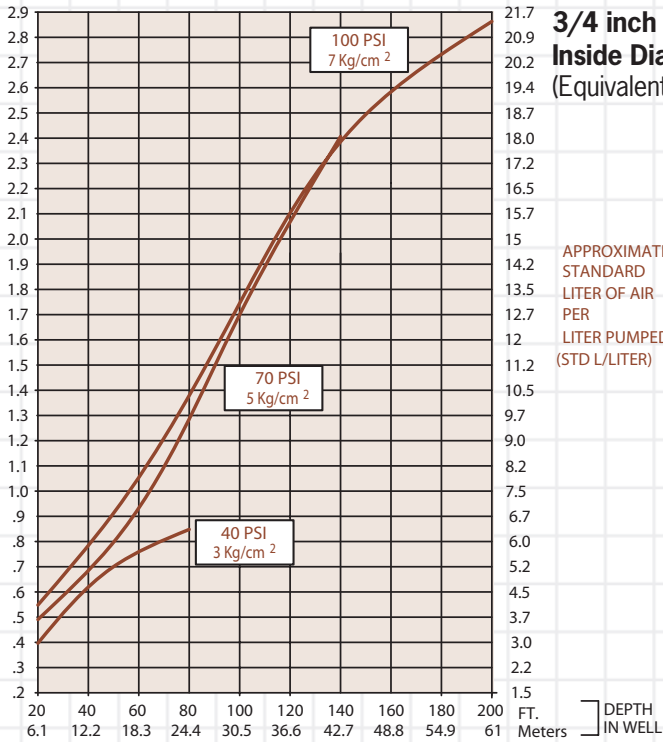


<sup>1</sup>FLOW RATES MAY VARY WITH SITE CONDITIONS. CALL QED FOR TECHNICAL ASSISTANCE.

### Air Consumption

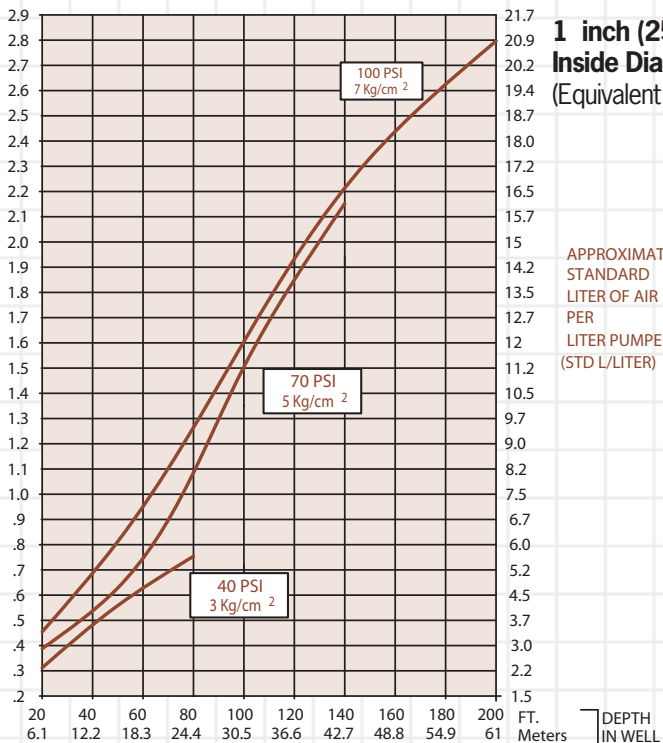


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CUBIC FEET OF AIR  
PER  
GALLON PUMPED  
(SCF/GAL)



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