

**Max. Flow** 6.4 gpm (24 lpm)

**O.D.** 3.6 in. (9.1 cm)

**Length** 30.75 in. (78 cm)



### Description

The Low-Drawdown AP4+ Top Inlet AutoPump provides maximum capabilities and flow in a top 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 24" (62 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 6.4 gpm (24 lpm). The Low Drawdown AP4+ Top 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.

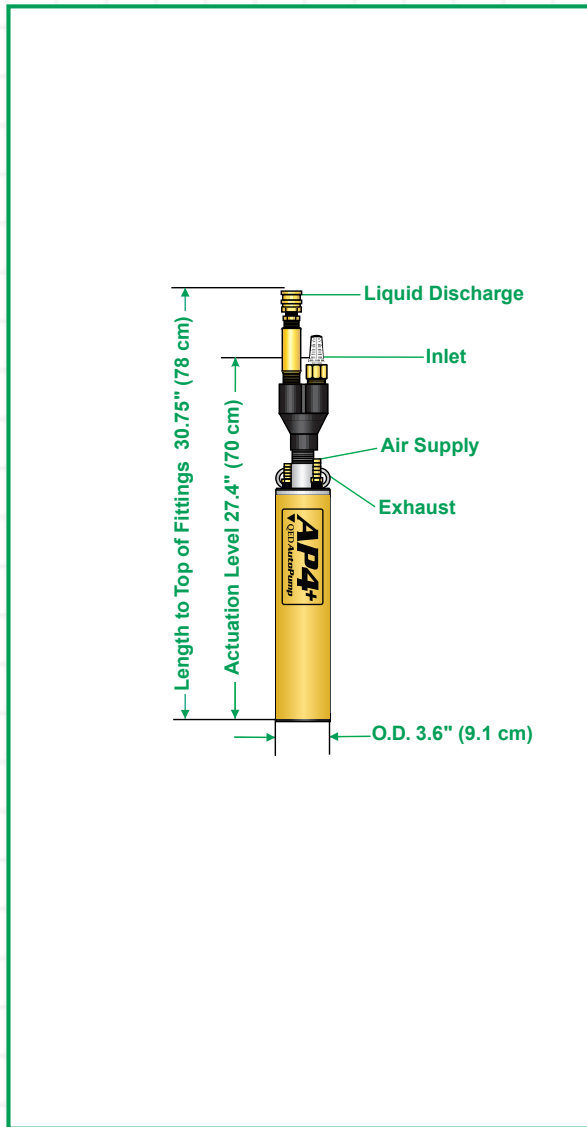
### The AutoPump Heritage

The Low-Drawdown AP4+ Top 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 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, 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 25 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, 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+ Top Inlet</b>
<b>Liquid Inlet Location</b>	Top
<b>OD</b>	3.6 in. (9.1 cm)
<b>Length Overall (pump &amp; fittings)</b>	30.75 in. (78 cm)
<b>Weight</b>	11 lbs. (5.0 kg)
<b>Max. Flow Rate</b>	6.4 gpm (24 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>	27.4 in. (70 cm)
<b>Air Usage</b>	.31 - 2.85 scf/gal (2.2 - 21.5 liters of air/ fluid liter) 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, Acetal
<b>Internal Components</b>	Stainless Steel, Viton, Acetal, PVDF <sup>3</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> PVDF - Polyvinylidene Fluoride

### Standard Application Limits (standard model)

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

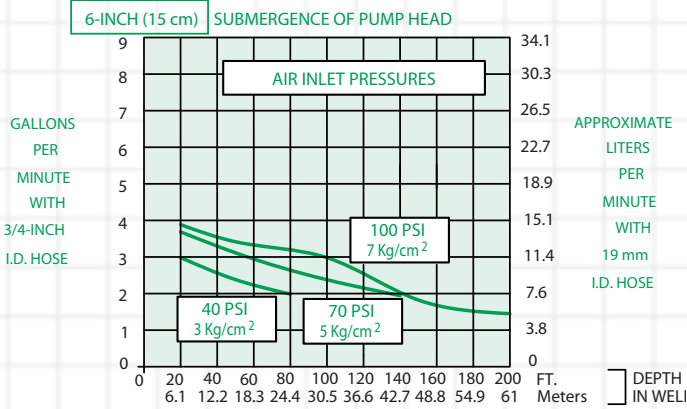
Maximum Temperature: 180°F (82°C)  
 pH Range: 4-9  
 Solvents and Fuels: diesel, gasoline, JP1-JP6,  
 #2 heating oils, BTEX, MTBE, landfill liquids

Long and Short AP4+ AutoPumps are warranted for five (5) years: 100% materials and workmanship.

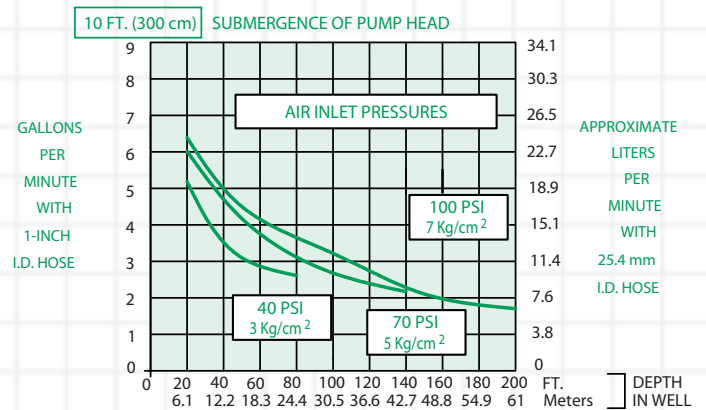
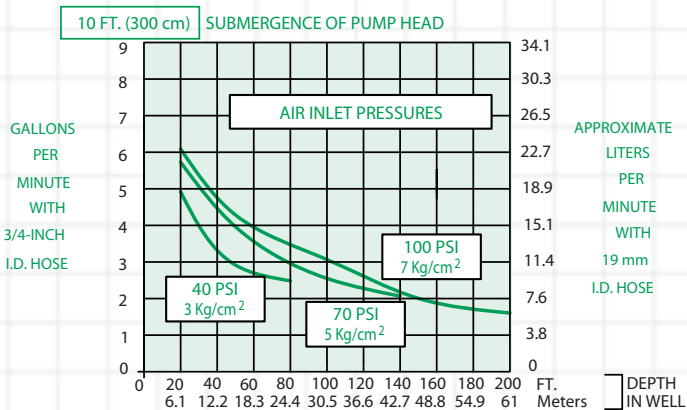
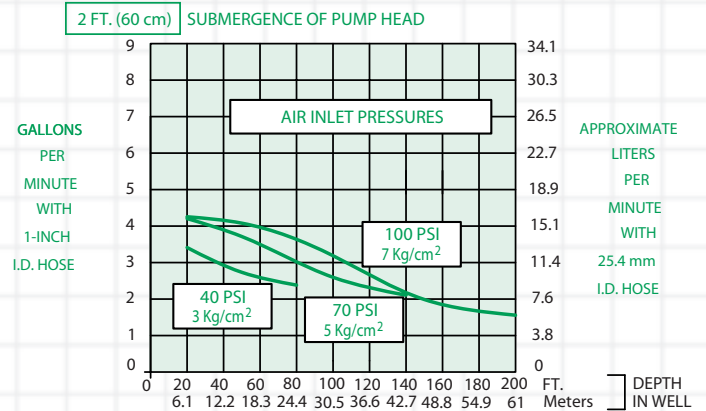
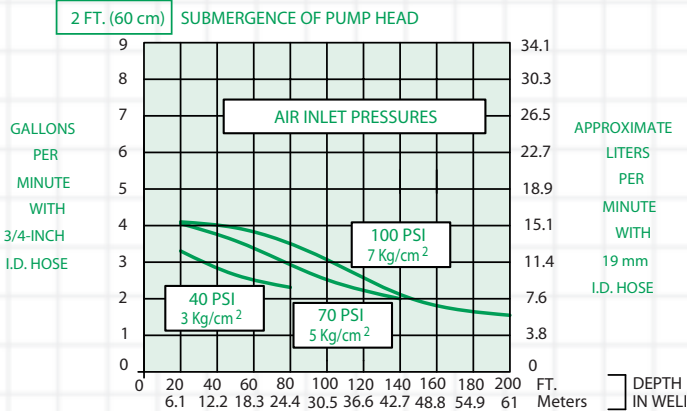
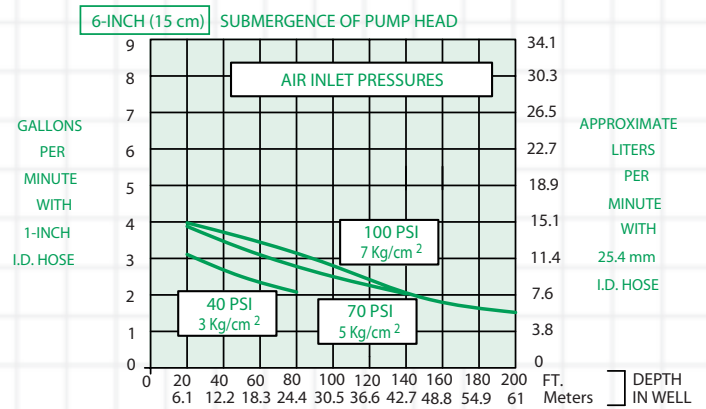
Low-Drawdown AutoPumps are warranted for one (1) year: 100% materials and workmanship.

### 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)**

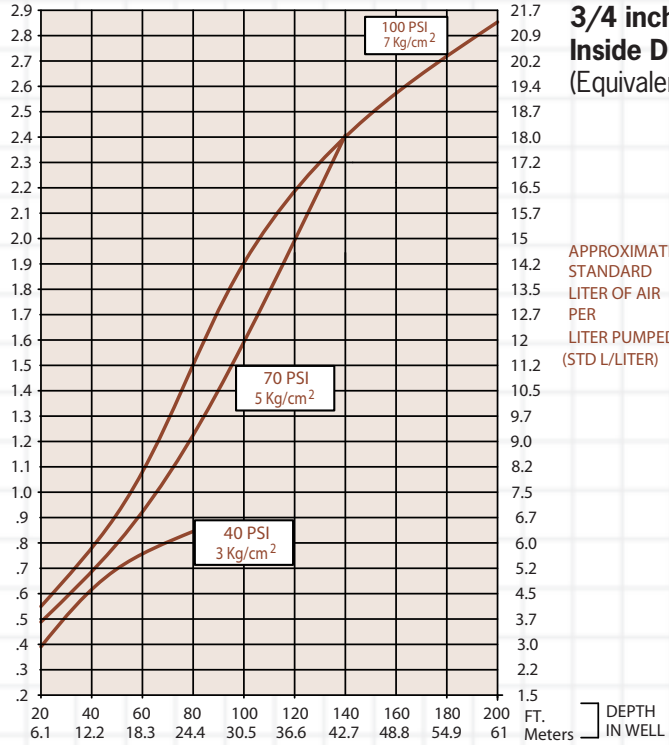


<sup>1</sup> FLOW RATES MAY VARY WITH SITE CONDITIONS. CALL QED FOR TECHNICAL ASSISTANCE.

### Air Consumption



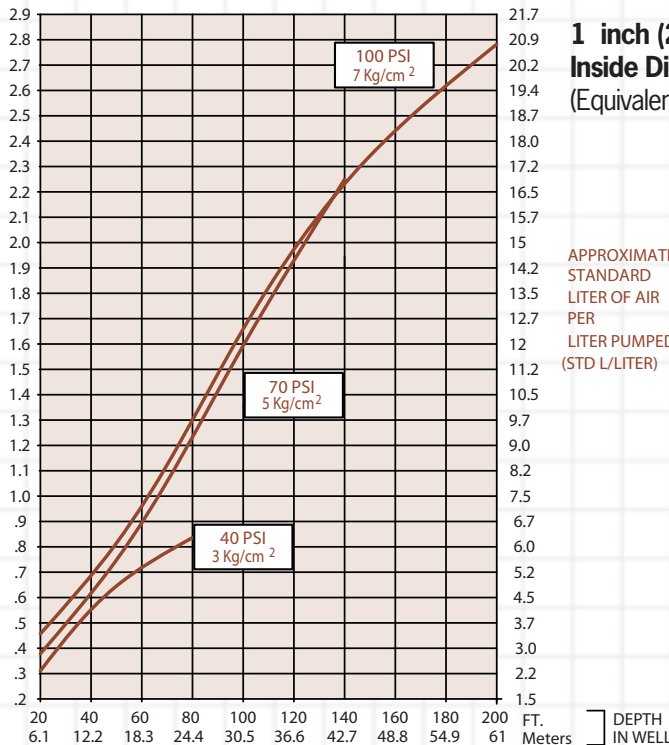
STANDARD  
CUBIC FEET OF AIR  
PER  
GALLON PUMPED  
(SCF/GAL)



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

APPROXIMATE  
STANDARD  
LITER OF AIR  
PER  
LITER PUMPED  
(STD L/LITER)

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



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

APPROXIMATE  
STANDARD  
LITER OF AIR  
PER  
LITER PUMPED  
(STD L/LITER)