

Max. Flow 7.0 gpm (26.5 lpm)

O.D. 3.6 in. (9.1 cm)

Length 27.5 in. (70 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 15.3" (39 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.

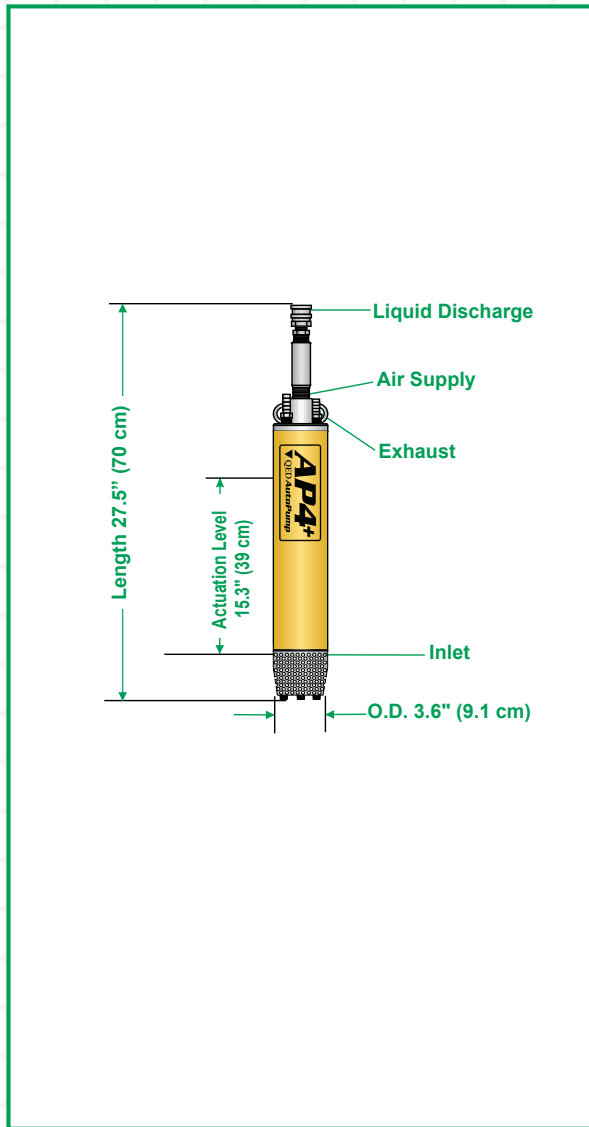
The AutoPump Heritage

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 25 years
2. The highest flow rates and deepest pumping capabilities in the industry in a low drawdown bottom-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

Model	4" - Low-Drawdown AP4+ Bottom Inlet
Liquid Inlet Location	Bottom (standard plug type check valve)
OD	3.6 in. (9.1 cm)
Length Overall (pump & fittings)	27.5 in. (70 cm)
Weight	11 lbs. (5.0 kg)
Max. Flow Rate	7 gpm (26.5 lpm)
Pump Volume / Cycle	0.11 - 0.16 gal (.42 - .61L)
Max. Depth	250 ft. (76 m)
Air Pressure Range	5 - 120 psi (0.4 - 8.4 kg/cm ²)
Min. Actuation Level	15.3 in. (39 cm)
Air Usage	.32 - 2.86 scf/gal (2.2 - 21.5 liters of air/fluid liter) See Air Usage Chart
Min. Liquid Density	0.7 SpG (0.7 g/cm ³)
Standard Construction Materials¹	
Pump Body	Fiberglass or Stainless Steel
Pump Ends	Stainless Steel
Internal Components	Stainless Steel, Viton, PVDF ³
Tube & Hose Fittings	Brass or Stainless Steel
Fitting Type	Barbs or Quick Connects
Tube & Hose Options	
Tubing Material²	Nylon
Sizes - Liquid Discharge	1 in. (25 mm) or 1-1/4 in. (32 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

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

³ 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: 180°F (82°C)

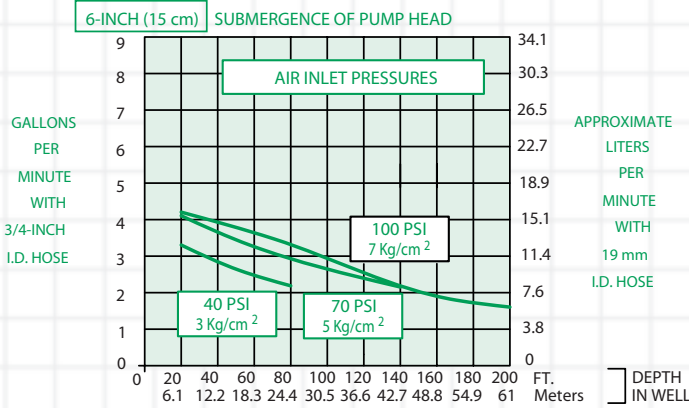
pH Range: 4-9

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

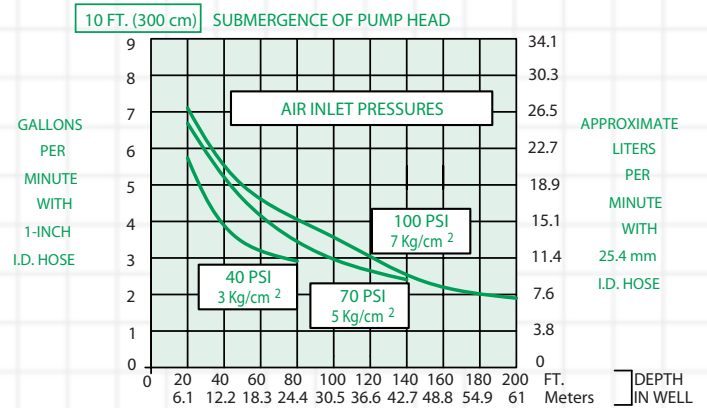
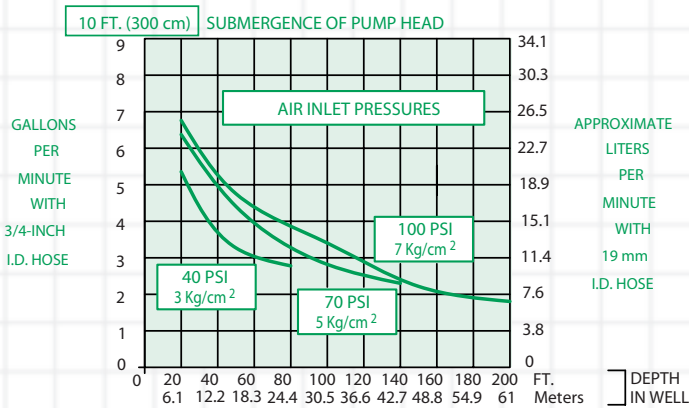
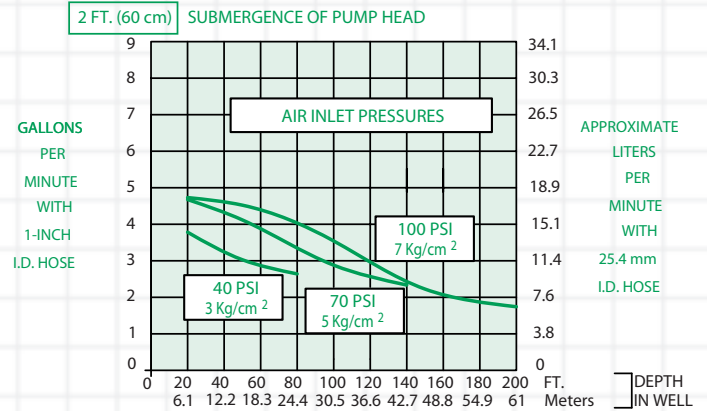
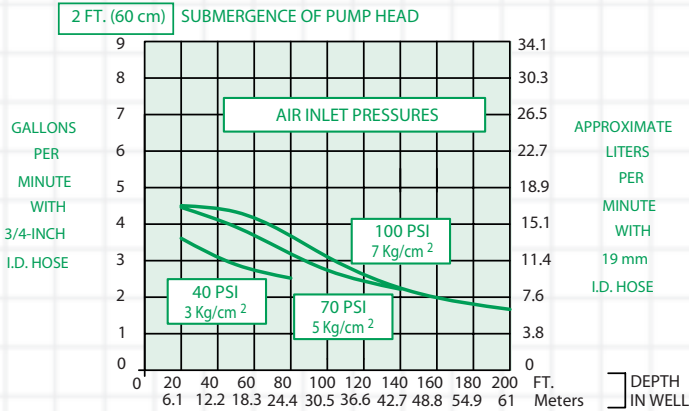
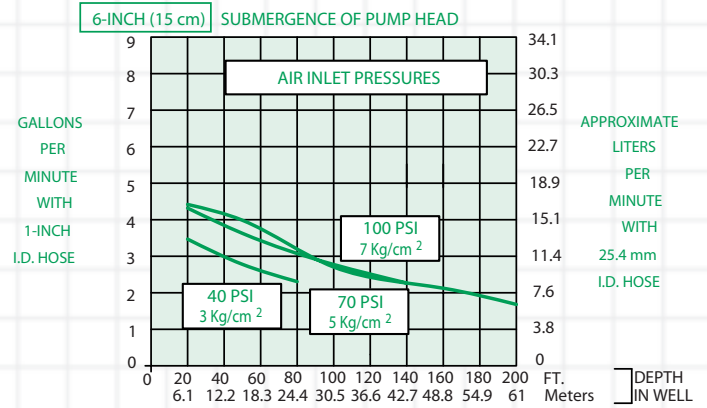
Low-Drawdown AutoPumps are warranted for one (1) year:
 100% materials and workmanship.

Flow Rates¹

**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)**

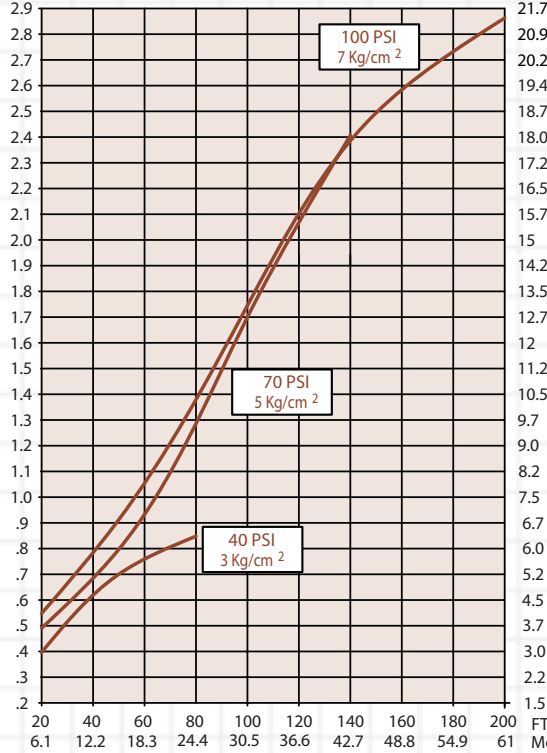


¹FLOW RATES MAY VARY WITH SITE CONDITIONS. CALL QED FOR TECHNICAL ASSISTANCE.

Air Consumption



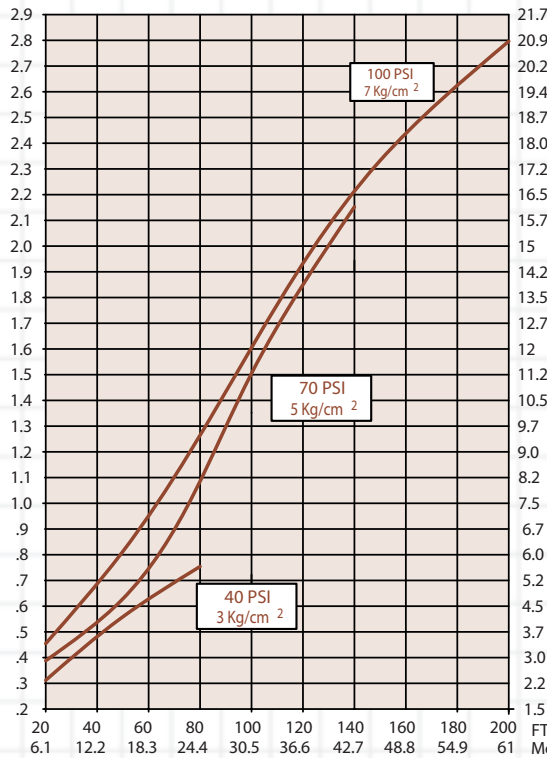
STANDARD
CUBIC FEET OF AIR
PER
GALLON PUMPED
(SCF/GAL)



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)

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