

AP4+T

Top Inlet, Long

Max. Flow 10 gpm (38 lpm)

O.D. 3.6 in. (9.1 cm)

Length 56.7 in. (144 cm)



Description

The AP4+ Top Inlet Long AutoPump provides maximum capabilities and flow in a top inlet pump for 4" diameter and larger wells needing an elevated inlet, such as pumping total fluids from wells contaminated with LNAPLs. It is offered in optional versions to handle even the most severe remediation and landfill pumping applications, and delivers flow rates up to 10 gpm*. The AP4+ Long 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.

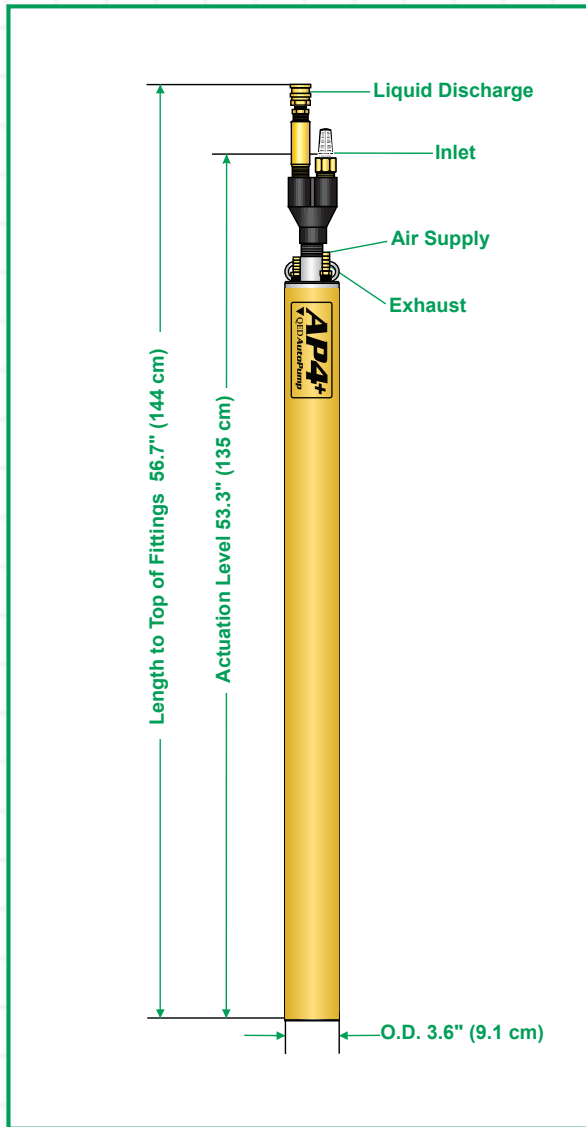
The AutoPump Heritage

The AP4+ Top Inlet Long 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
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. Five-year warranty

Pump Dimensions



Specifications & Operating Requirements

Model	4" - Long AP4+ Top Inlet
Liquid Inlet Location	Top
OD	3.6 in. (9.1 cm)
Length Overall (pump & fittings)	56.7 in. (144 cm)
Weight	18 lbs. (8.7 kg)
Max. Flow Rate	10 gpm (38 lpm) - See Flow Rate Chart
Pump Volume / Cycle	0.58 - 0.78 gal (2.2 - 3.0L)
Min. Actuation Level	53.3 in. (135 cm)
Standard Pump	
Max. Depth	250 ft. (76 m)
Air Pressure Range	5 - 120 psi (0.4 - 8.4 kg/cm ²)
Air Usage	0.35-1.1 scf / gal. (3.0-8.4 liters of air / fluid liter)
High Pressure Pump	
Max. Depth	425 ft. (130 m)
Air Pressure Range	5 - 200 psi (0.4 - 14.1 kg/cm ²)
Min. Liquid Density	
	0.7 SpG (0.7 g/cm ³)
Standard Construction Materials¹	
Pump Body	Fiberglass or Stainless Steel
Pump Ends	Stainless Steel, Acetal
Internal Components	Stainless Steel, Viton, Acetal, 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

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

³ 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: 150°F (65°C)

pH Range: 4-9

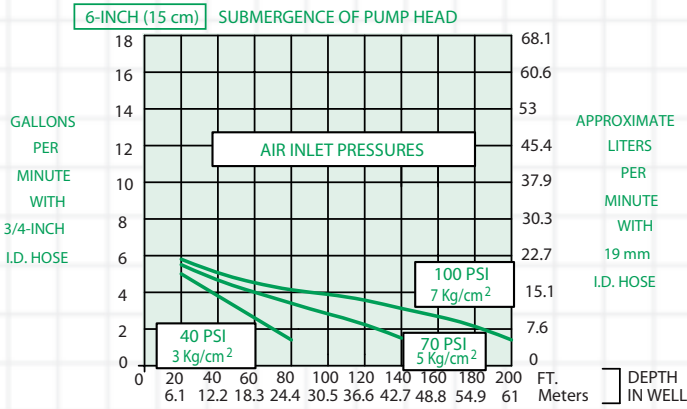
Solvents and Fuels: diesel, gasoline, JP1-JP6,
 #2 heating oils, BTEX, MTBE, landfill liquids

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

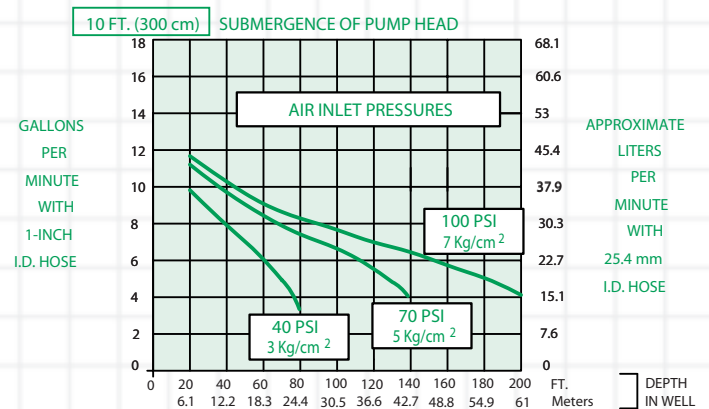
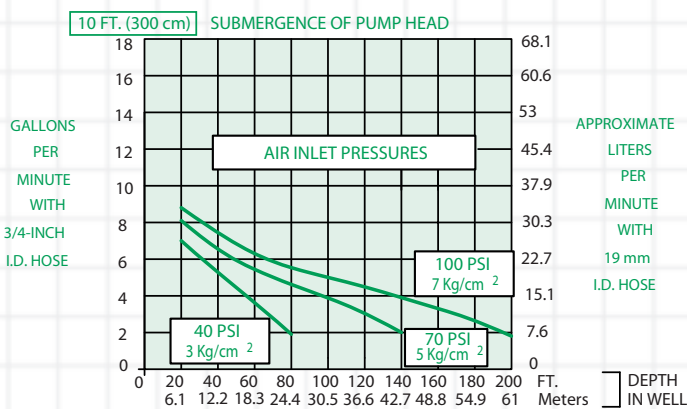
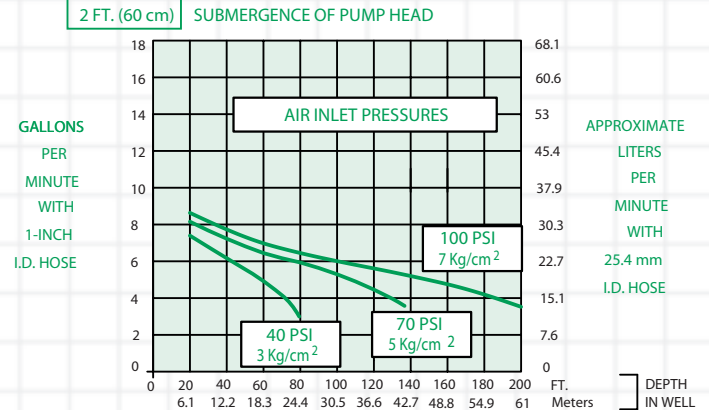
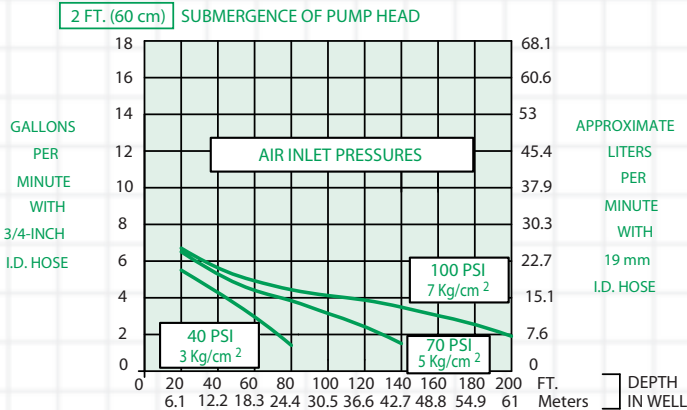
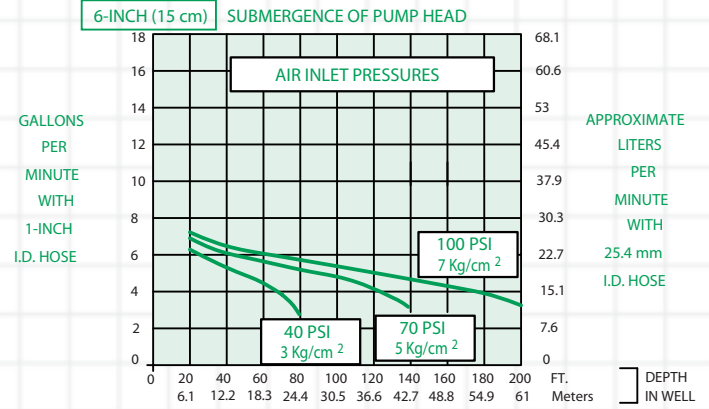
Low-Drawdown AutoPumps are warranted for one (1) year: 100% materials and workmanship.

Flow 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)**

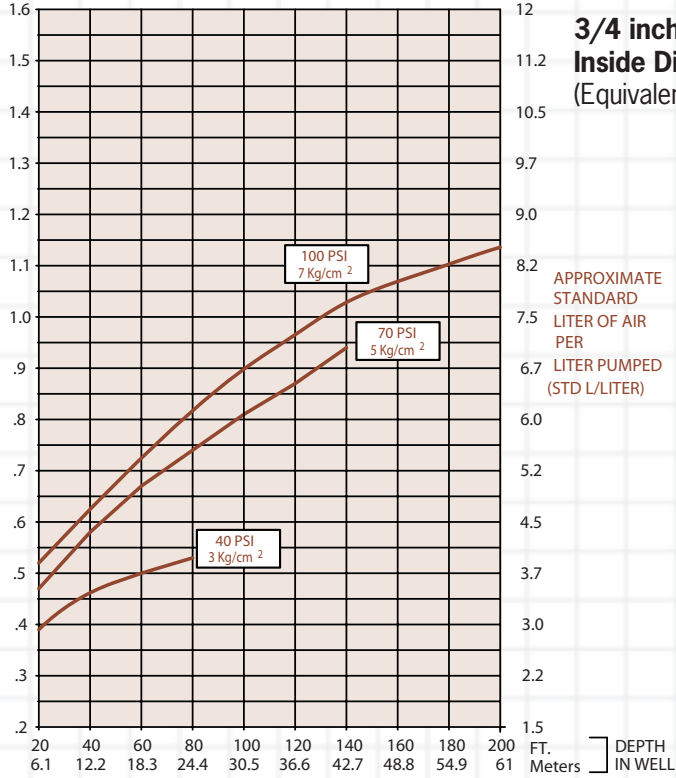


¹FLOW RATES MAY VARY WITH SITE CONDITIONS. CALL QED FOR TECHNICAL ASSISTANCE.

Air Consumption



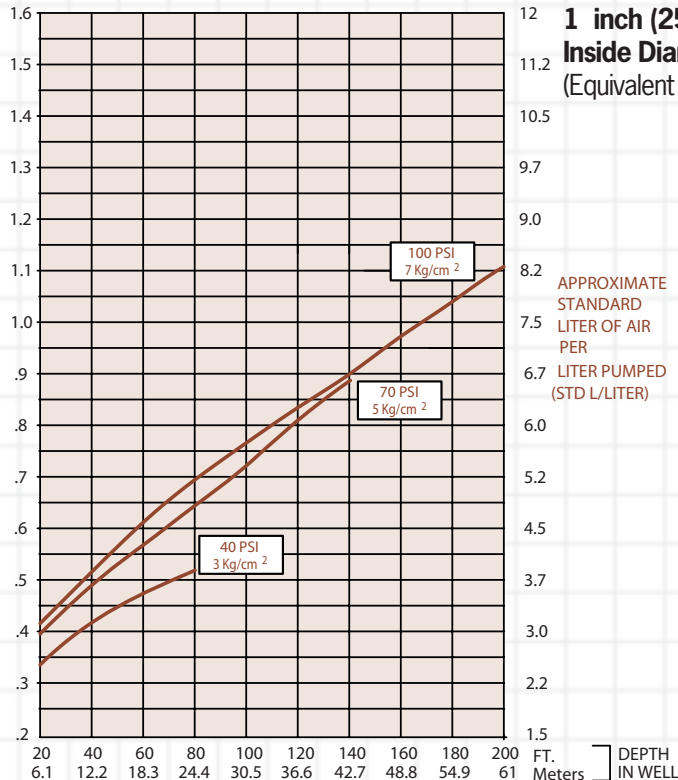
STANDARD
CUBIC FEET OF AIR
PER
GALLON PUMPED
(SCF/GAL)



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)

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)

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