

**Max. Flow** 1.6 gpm (6 lpm)

**O.D.** 1.75 in (4.45 cm)

**Length** 35 in. (89 cm)

### Description

The AP2 Top Inlet Short AutoPump provides maximum capabilities and flow in a top inlet pump for 2" (50 mm) diameter wells having shorter water columns and/or the need to pump down to lower water levels, compared to full-length pumps. It is designed for applications requiring 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 1.6 gpm (6 lpm). The AP2 Long 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

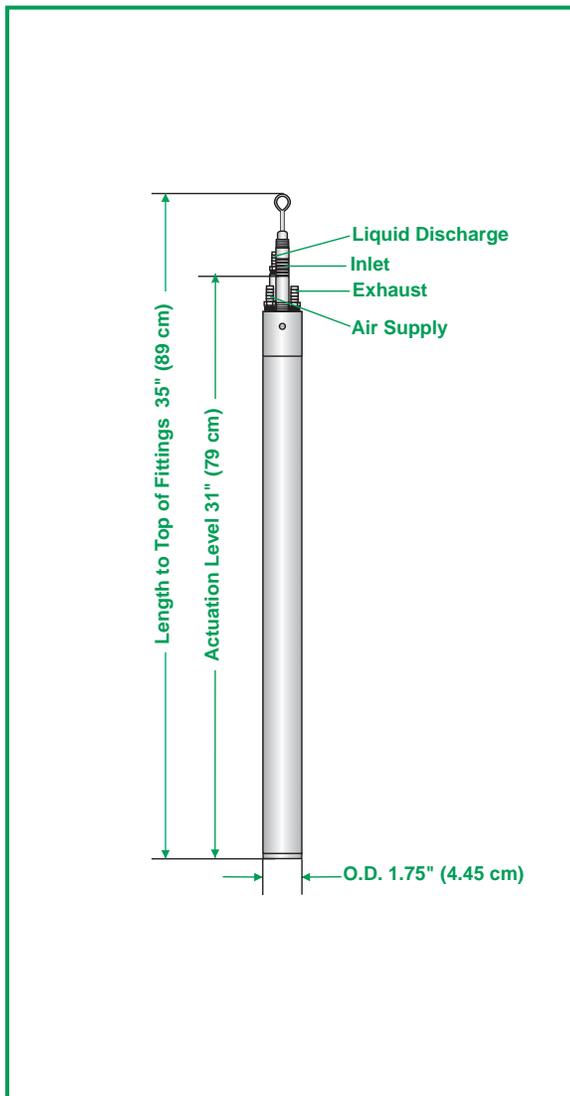
The AP2 Top Inlet Short AutoPump is part of the famous AutoPump family of original automatic air-powered pumps, developed in the mid 1980s specifically to handle unique pumping needs at remediation and landfill sites. Over the years they've proven their durability at thousands of sites worldwide. AutoPumps 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 2" automatic air-powered well pump, proven worldwide over 15 years**
2. **The industry leader in reliability, durability, flow rate and depth capability in an automatic pump for 2-inch wells**
3. **Handles solids, hydrocarbons, solvents, corrosive conditions, viscous fluids and landfill liquids**
4. **One-year warranty**

### Pump Dimensions



### Specifications & Operating Requirements

|  |  |
|--|--|
| <b>Model</b>                                       | <b>2" - Short AP2 Top Inlet</b>  |
| <b>Liquid Inlet Location</b>                       | Top  |
| <b>OD</b>  | 1.75 in. (4.45 cm)   |
| <b>Length Overall (pump &amp; fittings)</b>        | 35 in. (89 cm)   |
| <b>Weight</b>                                      | 5.7 lbs (2.6 kg)   |
| <b>Max. Flow Rate</b>                              | 1.6 gpm (6.0 lpm)  |
| <b>Pump Volume / Cycle</b>                         | .05 - .08 gal (.19 - .30 l)  |
| <b>Max. Depth</b>                                  | 300 ft (91.4 m)  |
| <b>Air Pressure Range</b>                          | 5 - 130 psi (0.4 - 9.2 kg/cm <sup>2</sup> )                                |
| <b>Min. Actuation Level</b>                        | 31 in. (78.7 cm)   |
| <b>Air Usage</b>                                   | 0.39 - 2.59 scf/gal (2.9 - 19.3 liters/fluid liter)<br>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>                                   | Stainless Steel  |
| <b>Pump Ends</b>                                   | Stainless Steel  |
| <b>Internal Components</b>                         | Stainless Steel, Viton, 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</b>                             | Nylon  |
| <b>Sizes<sup>2</sup> - Liquid Discharge</b>        | 5/8 in. (16 mm) OD   |
| <b>Pump Air Supply</b>                             | 3/8 in. (9.5 mm) OD  |
| <b>Air Exhaust</b>                                 | 1/2 in. (13 mm) OD   |
| <b>Hose Material</b>                               | Nitrile  |
| <b>Sizes - Liquid Discharge</b>                    | 1/2 in. (13 mm) ID   |
| <b>Pump Air Supply</b>                             | 1/4 in (6.4 mm) ID   |
| <b>Air Exhaust</b>                                 | 3/8 in. (9.5 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

### Application Limits (base model)

Base model AP2 AutoPumps are designed to handle the application ranges described below. For applications outside this range, consult QED about AP2 upgrades.

Maximum Temperature: 150°F (65°C)

pH Range: 4-9

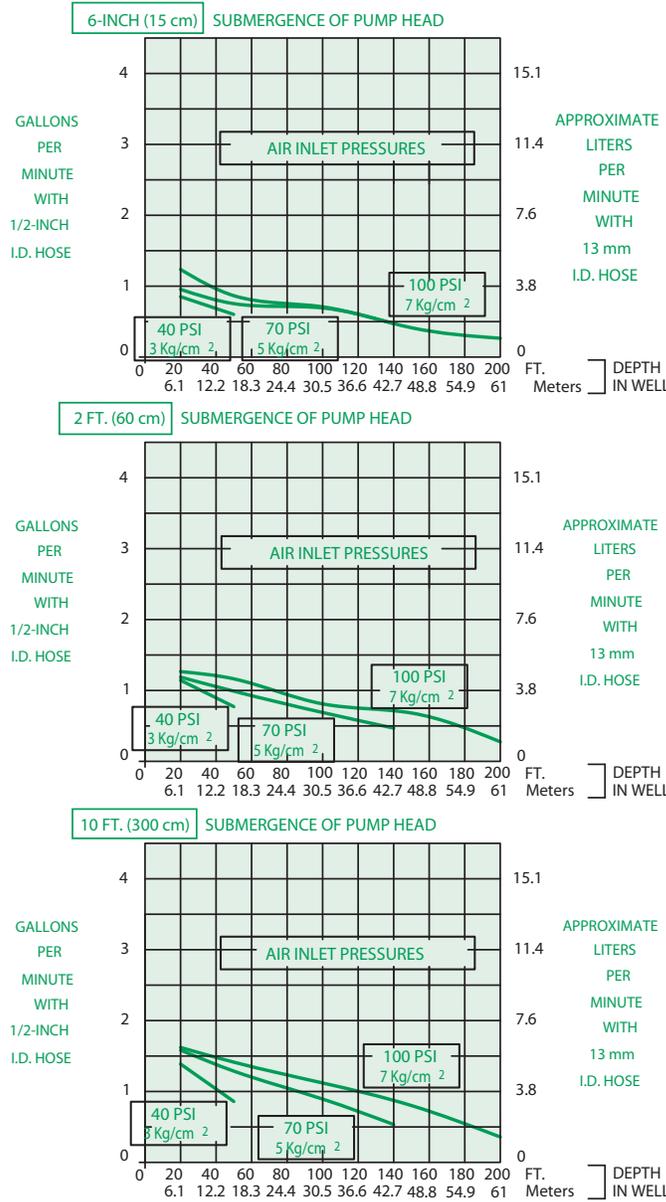
Solvents and Fuels: diesel, gasoline, JP1-JP6,  
 #2 heating oils, BTEX, MTBE, landfill liquids

AP2 AutoPumps are warranted for one (1) year:  
 100% materials and workmanship.

## Top Inlet, Short

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

**1/2 inch (13 mm)  
Inside Diameter Discharge Hose**  
(Equivalent to 5/8-Inch O.D. Tubing)

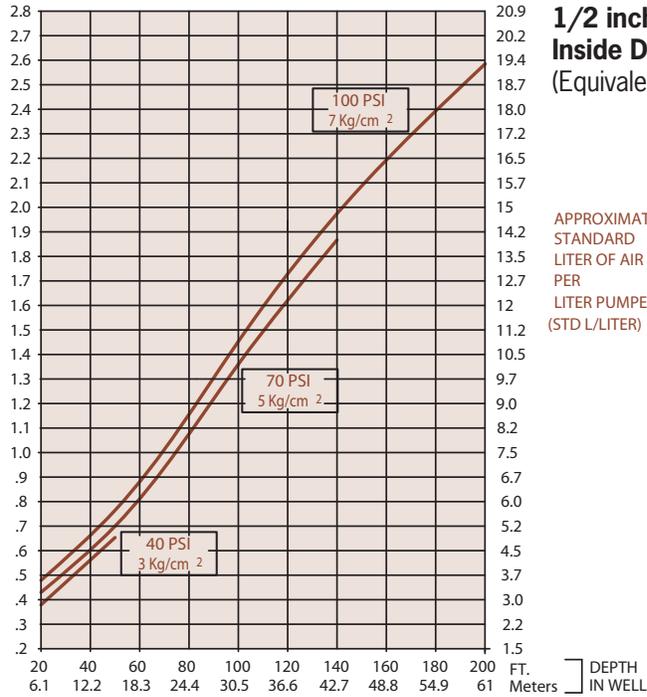


<sup>1</sup> FLOW RATES MAY VARY WITH SITE CONDITIONS. CALL QED FOR TECHNICAL ASSISTANCE.

### Air Consumption



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



**1/2 inch (13 mm)  
Inside Diameter Discharge Hose**  
(Equivalent to 5/8-inch O.D. Tubing)

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

DEPTH  
IN WELL