

# AP3B

AutoPump®

## Bottom Inlet, Short

**Max. Flow** 6.0 gpm (22.7 lpm)

**O.D.** 2.63 in (6.68 cm)

**Length** 42 in. (106.6 cm)

### Description

The AP3 Bottom Inlet Short AutoPump is designed for moderate-duty remediation pumping applications with well casings 3" (75 mm) diameter and larger. It is designed for wells having shorter water columns and/or the need to pump down to lower water levels, compared to full-length pumps. Complete system components such as tubing and hose sets, well caps, and flow counters are available for the AP3 Long Bottom Inlet AutoPump. Call QED for prompt, no-obligation assistance on your pumping project needs.

### The AutoPump Heritage

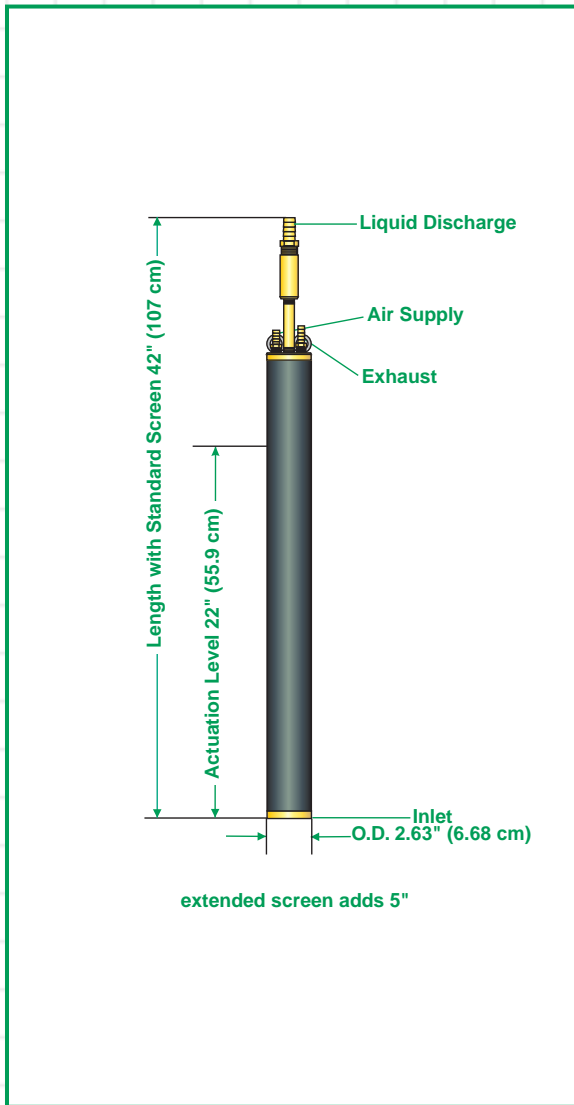
The AP3 Bottom Inlet Short AutoPump is part of the famous AutoPump family of original automatic air-powered pumps, developed in the mid 1980s specifically to handle unique pumping needs at remediation and landfill sites. Over the years they've proven their durability at thousands of sites worldwide. 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. Based on the original automatic air-powered well pump, proven worldwide over 18 years
2. Competitive flow rates and pumping capabilities
3. Patented, proven design for superior reliability and durability
4. Handles solids, some solvents, hydrocarbons and corrosive conditions beyond the limits of electric pumps
5. Two-year warranty

### Pump Dimensions



### Specifications & Operating Requirements

<b>Model</b>	<b>3" - Short AP3 Bottom Inlet</b>
<b>Liquid Inlet Location</b>	Bottom
<b>OD</b>	2.63 in. (6.68 cm)
<b>Length Overall (pump &amp; fittings)</b>	42 in. (107cm)
<b>Length Overall, w / Extended Screen</b>	47 in. (117cm)
<b>Weight</b>	10 lbs. (4.5 kg)
<b>Max. Flow Rate</b>	6.0 gpm (22.7 lpm) - See Flow Rate Chart
<b>Pump Volume / Cycle</b>	0.08 - 0.15 gal (.30 - 0.57L)
<b>Max. Depth</b>	175 ft. (53.3 m)
<b>Air Pressure Range</b>	5 -80 psi (0.4 - 5.6 kg/cm <sup>2</sup> )
<b>Min. Actuation Level</b>	22 in. (56 cm)
<b>Air Usage</b>	0.35 - 1.6 scf / gal. (2.6-12.0 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</b>	
<b>Pump Body</b>	Fiberglass or Stainless Steel
<b>Pump Ends</b>	Stainless Steel, UHMWPE*, Brass
<b>Internal Components</b>	Stainless Steel, Viton, Acetal, Nylon
<b>Tube &amp; Hose Fittings</b>	Brass or Stainless Steel
<b>Fitting Type</b>	Barbs or Quick Connects
<b>Tube Options</b>	
<b>Tubing Material</b>	Nylon
<b>Sizes<sup>1</sup> - Liquid Discharge</b>	3/4 in. (19 mm) or 1 in. (25 mm) OD
<b>Pump Air Supply</b>	1/2 in. (13 mm) OD
<b>Air Exhaust</b>	5/8 in. (16 mm) OD

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

<sup>2</sup> UHMWPE - Ultra High Molecular Weight Polyethylene

### Application Limits

AP3 AutoPumps are designed to handle the application ranges described below. For applications outside this range, consider the AP4 and AP2 models.

Maximum Temperature: 120°F (49°C)

pH Range: 4-9

Solvents and Fuels: gasoline, diesel fuel, BTEX, MTBE

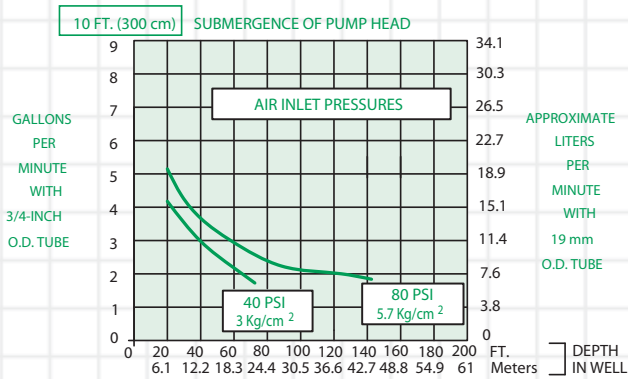
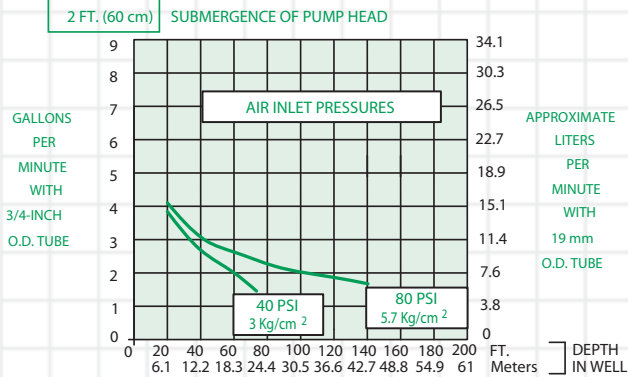
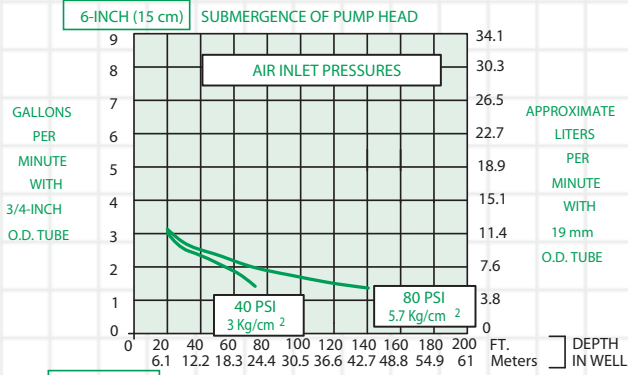
AP3 AutoPumps are warranted for two (2) years: 100% materials and workmanship.

# AP3B

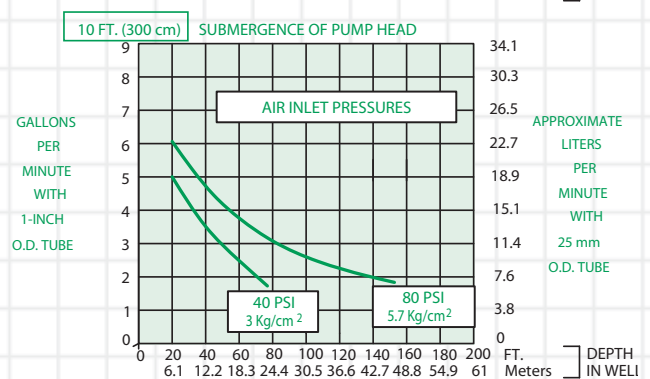
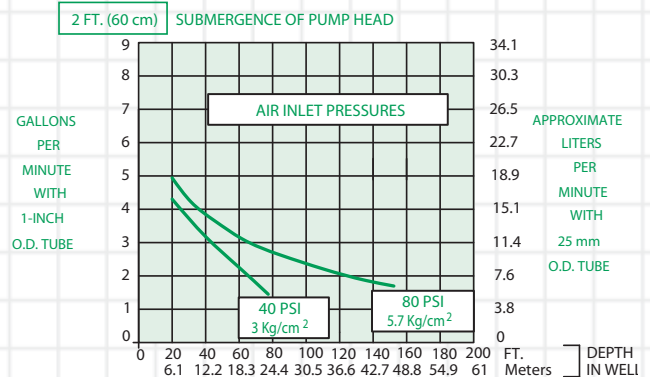
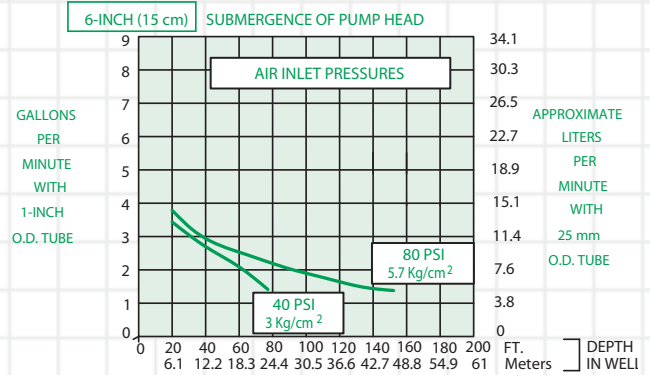
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### Flow Rates<sup>1</sup>

**.75 inch (19 mm) O.D.  
Fluid Discharge Tubing**



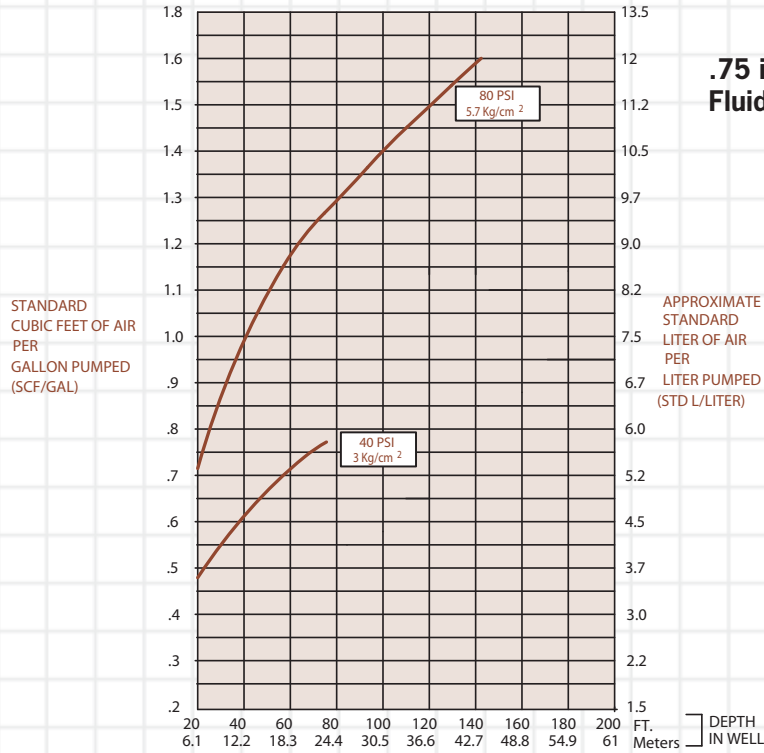
**1.00 inch (25 mm) O.D.  
Fluid Discharge Tubing**



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



### Air Consumption

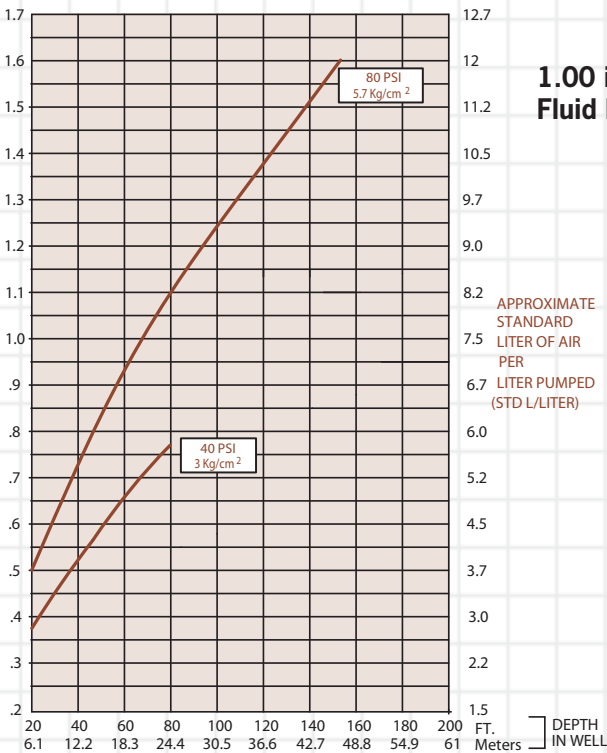


STANDARD CUBIC FEET OF AIR PER GALLON PUMPED (SCF/GAL)

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

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

### 1.00 inch (25 mm) O.D. Fluid Discharge Tubing



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