

AP3B

AutoPump®

Bottom Inlet, Short

Max. Flow 6.0 gpm (22.7 lpm)

O.D. 3.5 in (8.9 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

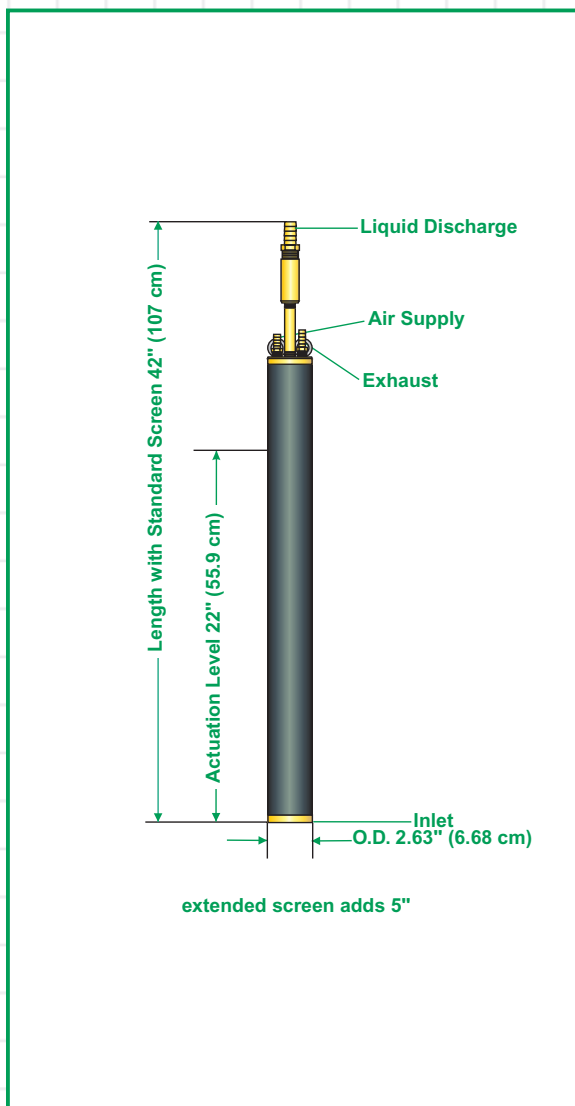
The AP3 Bottom Inlet Short AutoPump is part of the famous AutoPump family of original automatic air-powered pumps, developed in the mid 1980s specifically to handle unique pumping needs at remediation and landfill sites. Over the years they've proven their durability at thousands of sites worldwide. 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

Model	3" - Short AP3 Bottom Inlet
Liquid Inlet Location	Bottom
OD	2.63 in. (6.68 cm)
Length Overall (pump & fittings)	42 in. (107cm)
Length Overall, w / Extended Screen	47 in. (117cm)
Weight	10 lbs. (4.5 kg)
Max. Flow Rate	6.0 gpm (22.7 lpm) - See Flow Rate Chart
Pump Volume / Cycle	0.08 - 0.15 gal (.30 - 0.57L)
Max. Depth	175 ft. (53.3 m)
Air Pressure Range	5 - 80 psi (0.4 - 5.6 kg/cm ²)
Min. Actuation Level	22 in. (56 cm)
Air Usage	0.35 - 1.6 scf / gal. (2.6-12.0 liter of air / fluid liter) - See Air Usage Chart
Min. Liquid Density	0.7 SpG (0.7 g/cm ³)
Standard Construction Materials	
Pump Body	Fiberglass or Stainless Steel
Pump Ends	Stainless Steel, UHMWPE*, Brass
Internal Components	Stainless Steel, Viton, Acetal, Nylon
Tube & Hose Fittings	Brass or Stainless Steel
Fitting Type	Barbs or Quick Connects
Tube Options	
Tubing Material	Nylon
Sizes¹ - Liquid Discharge	3/4 in. (19 mm) or 1 in. (25 mm) OD
Pump Air Supply	1/2 in. (13 mm) OD
Air Exhaust	5/8 in. (16 mm) OD

¹ Applies to QED supplied tubing; other tubing sources may not conform to QED fittings.

² 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, AP2, and HammerHead Pro models.

Maximum Temperature: 120°F (49°C)

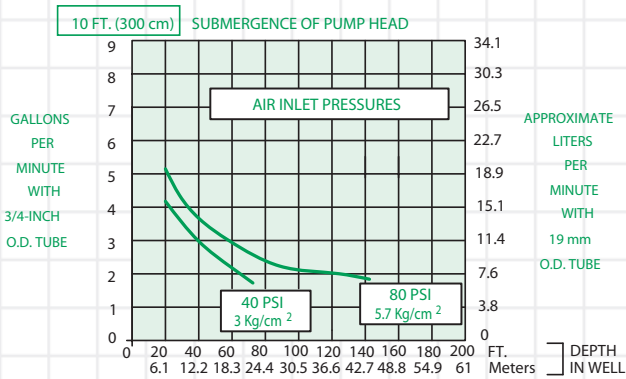
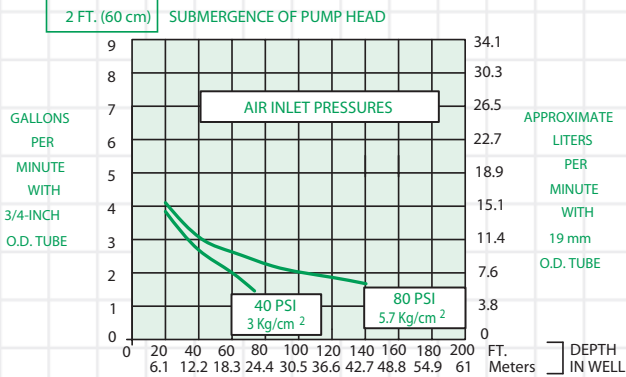
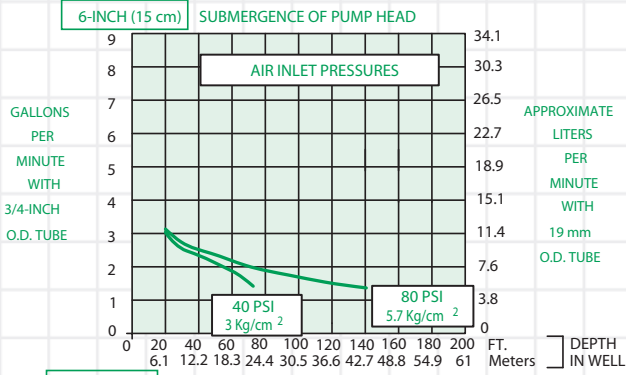
pH Range: 4-9

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

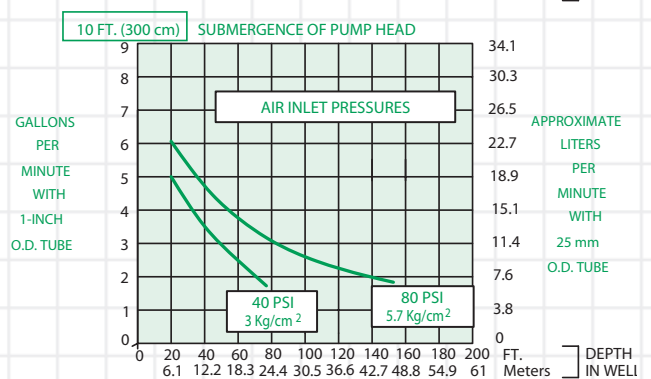
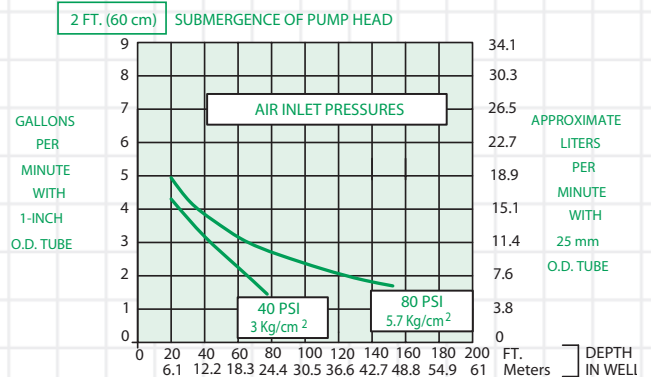
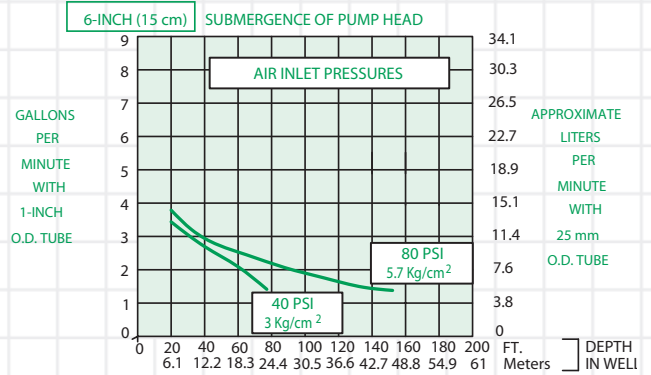
AP-3 AutoPumps are warranted for two (2) years: 100% materials and workmanship.

Flow Rates¹

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



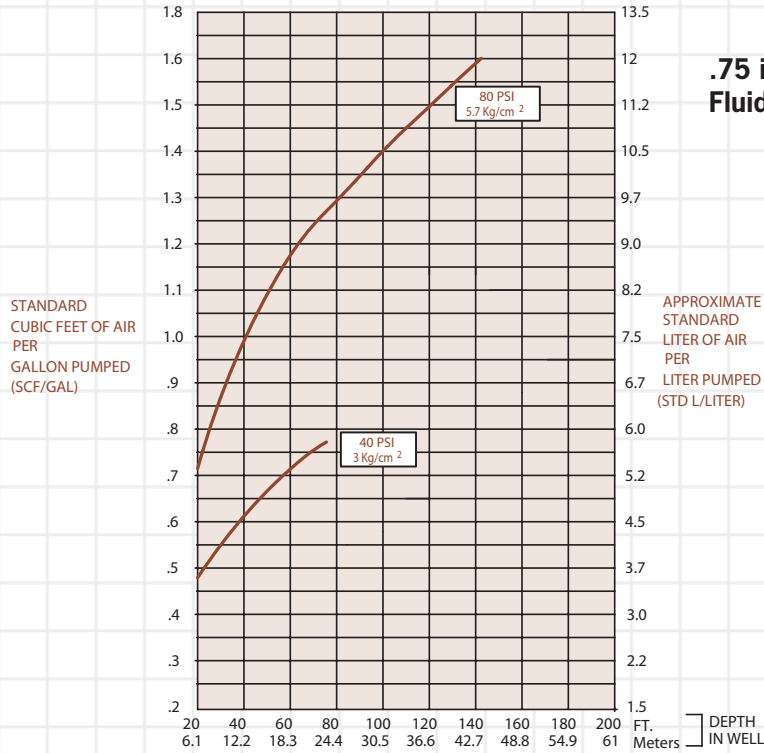
**1.00 inch (25 mm) O.D.
Fluid Discharge Tubing**



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



Air Consumption

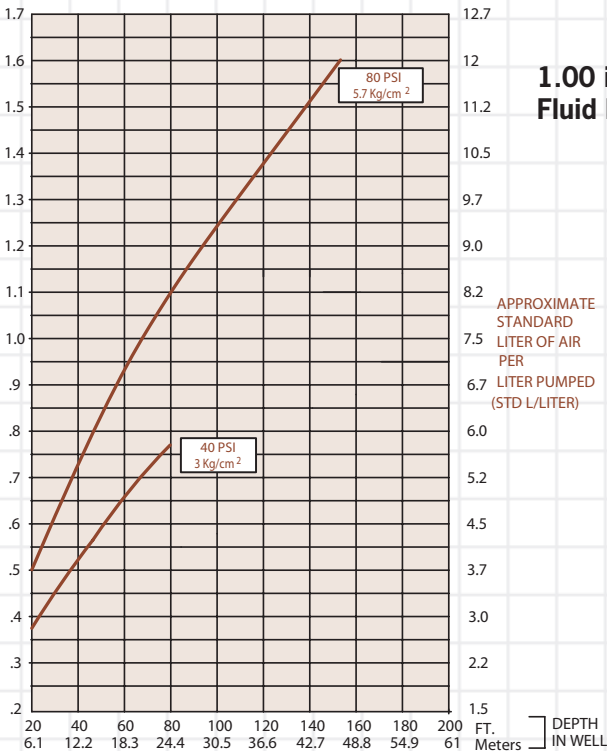


STANDARD CUBIC FEET OF AIR PER GALLON PUMPED (SCF/GAL)

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)