



Beyond the Pumps...

Success with a pumping system involves more than just the pumps. Over 20 years of specialized air-powered pumping experience on thousands of sites with a broad range of applications and groundwater issues has allowed us to develop unequalled expertise and problem solving capabilities.

QED technical experts will work with you on identifying the relevant site information to assure meeting your remediation and landfill pumping objectives. The equipment will be selected to meet your site-specific application.



Tubing & Hose

Innovative jacketed nylon tubing is highly regarded by experienced users for its light weight, smooth profile and ease of handling



Well Caps & Flanges

Hundreds of wellhead cap and flange combinations are available from QED on a standard and custom basis to fit site needs and ease installation and maintenance.



Easy Bolt

The Easy Bolt provides the function of traditional nuts and bolts sets by using a lever action clamp to tighten the flange.

Accessories

Available accessories to support your pumping system include flow counters, flow meters, tank-full shutoffs, filter regulators and compressors.

Compressor Sizing

QED offers expert assistance in specifying the right compressor package to deliver the most economical, reliable performance at your site.

Visit our website at www.qedenv.com for complete pump specifications and flow rates or call us directly at **1.800.624.2026** for prompt, expert assistance on your pumping project needs.

AutoPumps®

- *The Original Automatic Air-Powered Pumps*
- *Top Choice at Remediation and Landfill Sites Around the World*



The World Leader in Air-Powered Pumps

For Remediation, Landfills and Groundwater Sampling



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CODE 2302 7/09

Featuring the AP and
HammerHead Pro Series





First of Its Kind. First in Performance. Top Choice at Remediation and Landfill sites around the world.

Automatic Air-Powered Pumps

Automatic air-powered pumps were originated over 20 years ago with the introduction of the AutoPump, designed specifically to handle severe pumping applications at landfill and ground water remediation sites. Since then, many refinements and options have been added through experience, building the AutoPump's leadership in long-term reliability and performance. That's why QED's AutoPumps are the overwhelming choice of professionals worldwide. The AutoPump line was designed from the start to handle tough pumping conditions such as solvents, suspended solids, silts, corrosives, temperature extremes, viscous fluids and frequent start/stops. The broad AutoPump line offers the widest range of features, configurations and materials to better suit your project needs. All AutoPumps are fully automatic with low level shutoff built in, eliminating the need for external controls. Visit our website at www.qedenv.com for complete pump specifications, flow rates and operating conditions or call us directly at 1.800.624.2026 for prompt, expert assistance on your pumping project needs.

The AutoPump product line

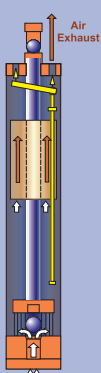


New, Lever-action Flange Bolt
The Easy Bolt provides the function of conventional nuts and bolt sets, but uses a simple lever action instead of wrenches. The Easy Bolt fits through the flange bolt holes and is tightened by simply pushing the cam lever down.

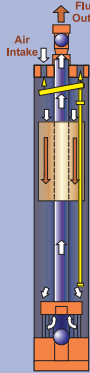


New, Tubing Quick-connector
The Easy Fitting is a new type of lower-cost, quick fitting for the AutoPump, designed for severe duty downwell conditions at landfills and remediation sites. The Easy Fitting allows the AutoPump to be quickly disconnected from its tubing and hose sets, eliminating the need to cut the tubing.

The AutoPump Technology That Revolutionized The Industry



Fill Cycle:
The fluid inlet check valve opens, allowing fluid to enter the pump. As the fluid level rises, air is expelled through the exhaust air valve and the internal float rises to the top of its stroke. In this upper position, the float triggers a lever assembly, which opens the air inlet and closes the air exhaust valve, which allows air to enter and pressurizes the pump.



Discharge Cycle:
With the air inlet valve open, air pressure builds up within the pump body. This causes the fluid inlet check valve to close allowing the fluid to be displaced up and out of the fluid discharge check valve. As the fluid level falls, the float moves downward to the bottom of its stroke. In this lower position, the float triggers the lever assembly to close the air supply and open the air exhaust valve and a new cycle begins.

The AutoPump on-site



AP Series Pumps

Hammerhead Pro Series Pumps

	4" Pump Long AP4/B	4" Pump Short AP4/B	4" Pump LDD AP4/B	4" Pump Long AP4/T	4" Pump Short AP4/T	4" Pump LDD AP4/T	3" Pump Long AP3/B	3" Pump Short AP3/B	3" Pump Long AP3/T	3" Pump Short AP3/T	2" Pump Long AP2/B	2" Pump Short AP2/B	2" Pump Long AP2/T	2" Pump Short AP2/T
Fluid Inlet	Bottom	Bottom	Bottom	Top	Top	Top	Bottom	Bottom	Top	Top	Bottom	Bottom	Top	Top
Diameter	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	2.63 in. (6.68 cm) OD	2.63 in. (6.68 cm) OD	*3.4 in. (8.64 cm) OD	*3.4 in. (8.64 cm) OD	1.75 in. (4.45 cm) OD	1.75 in. (4.45 cm) OD	1.75 in. (4.45 cm) OD	1.75 in. (4.45 cm) OD
* Length	53 in. (135 cm)	41 in. (104 cm)	28 in. (71 cm)	57 in. (145 cm)	42 in. (107 cm)	29 in. (74 cm)	52 in. (132 cm)	42 in. (107 cm)	57 in. (145 cm)	47 in. (119 cm)	55 in. (139 cm)	33 in. (85 cm)	57 in. (144 cm)	35 in. (89 cm)
Maximum Flow	14 gpm (53 lpm)	13 gpm (49 lpm)	7 gpm (26.5 lpm)	10 gpm (38 lpm)	9 gpm (34 lpm)	6.4 gpm (24 lpm)	7.3 gpm (27.6 lpm)	6.0 gpm (22.7 lpm)	5.4 gpm (20 lpm)	4.8 gpm (18.1 lpm)	2.3 gpm (8.82 lpm)	2.0 gpm (7.57 lpm)	1.9 gpm (7.2 lpm)	1.6 gpm (6 lpm)
Maximum Depth	**425 ft. (130 m)	**425 ft. (130 m)	250 ft. (76 m)	**425 ft. (130 m)	**425 ft. (130 m)	250 ft. (76 m)	220 ft. (67 m)	175 ft. (53.3 m)	220 ft. (67 m)	175 ft. (53.3 m)	300 ft. (91.4 m)	300 ft. (91.4 m)	300 ft. (91.4 m)	300 ft. (91.4 m)
Actuation Level	35 in. (89 cm)	27 in. (69 cm)	***13 in. (33 cm)	52 in. (132 cm)	37 in. (94 cm)	24 in. (62 cm)	31 in. (79 cm)	22 in. (56 cm)	53 in. (135 cm)	42 in. (107 cm)	35 in. (89 cm)	20 in. (51 cm)	52 in. (132 cm)	31 in. (78 cm)

	4" Pump HHPro/B	4" Pump Short HHPro/B	4" Pump HHPro/T	4" Pump Short HHPro/T
Fluid Inlet	Bottom	Bottom	Top	Top
Diameter	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD	3.5 in. (8.9 cm) OD
* Length	51 in. (130 cm)	39 in. (99 cm)	56 in. (142.2 cm)	44 in. (111.7 cm)
Maximum Flow	13.5 gpm (51.1 lpm)	13 gpm (49 lpm)	9.8 gpm (37.1 lpm)	8.3 gpm (31.4 lpm)
Maximum Depth	250 ft. (76 m)	250 ft. (76 m)	250 ft. (76 m)	250 ft. (76.2 m)
Actuation Level	33 in. (83.8 cm)	21 in. (53.3 cm)	53 in. (134.6 cm)	41 in. (104.1 cm)

Visit our website at www.qedenv.com for complete pump specifications, flow rates and operating conditions or contact QED directly at 1.800.624.2026
*Exact dimensions vary with options: consult QED. **High pressure option *** Radial inlet option