

AutoSkimmer™ Pump System



For High Recovery Wells.

The AutoSkimmer™ Pump System automatically recovers free product and pumps on demand when the pump is filled, combining the industry-leading AutoPump® with the rugged SPG floating inlet. The system can then be switched to higher flow, total fluids pumping by removing the floating inlet. When site conditions call for this approach, nothing beats the AutoPump/SPG inlet combination; both of these technologies have been proven in the field for many years around the world. The AutoPump mechanism means that the pump cycles only when it is filled with LNAPL, reducing air consumption without adding any additional controls or sensors. The SPG inlet includes selectable side inlet ports for versatility in fine-tuning LNAPL intake when the floating layer is reduced in thickness.

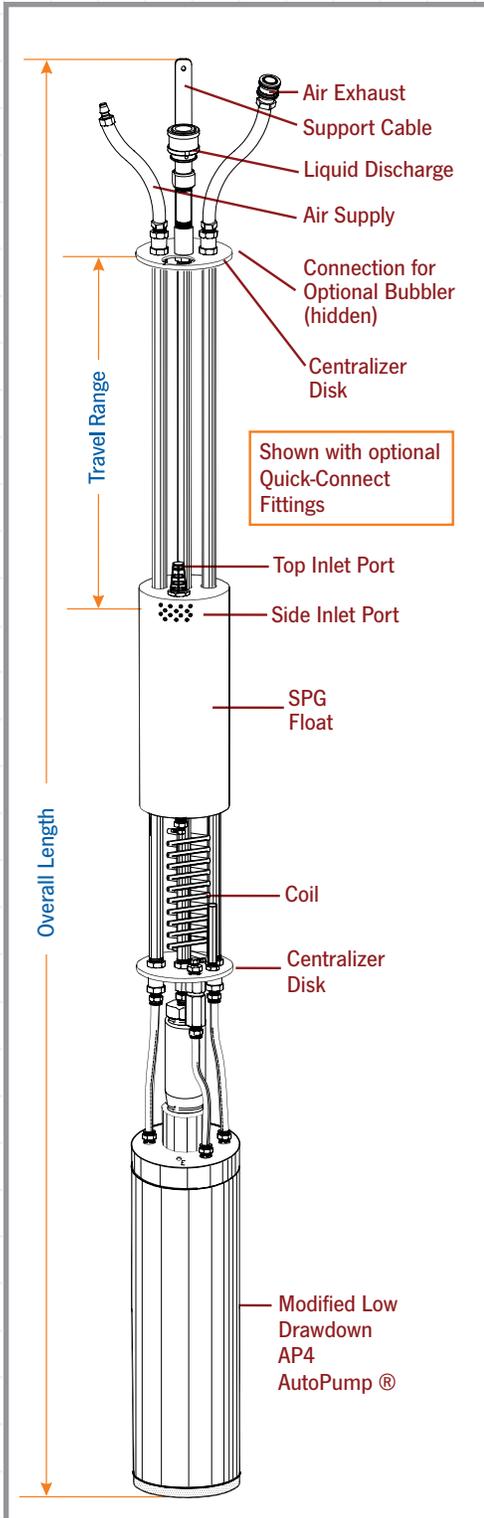
Warranty

AutoSkimmers are warranted for one (1) year.

Advantages

1. Unique design allows pump to cycle only when it is completely full of fluid.
2. Versatile design allows floating inlet removal for conversion to total fluids pumping after the LNAPL is largely eliminated.
3. Air-powered, intrinsically safe.
4. Built-in ON/OFF control with internal float.
5. Proven reliability and durability.

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Specifications

AutoSkimmer Model	Short AP4-SPG4 (301243)
*Maximum LNAPL Recovery Rate	320 gpd (1,211 Lpd)
Float Travel Range	16 in. (41 cm)
Overall Length	78 in. (198 cm)
Minimum Liquid Column	52 in. (132 cm)
Pressure Range	5-120 psi (0.4-8.5 kg/cm ²)
High Pressure Option	5-120 psi (0.4-8.5 kg/cm ²)
Minimum Well ID	4 in. (10 cm)
Maximum OD	3.8 in. (9.7 cm)
Maximum Depth	200 ft. (60.9 m)
LNAPL Fluid Density	< .85 SG
Kinematic Viscosity	1-1000 centistokes
Recommended Initial LNAPL Layer	> 3 in. (> 7.6 cm)
Residual LNAPL Layer	> .25 in. (.64 cm)
Suitable Types of LNAPL	Gasoline, diesel, jet fuels, kerosene, #2 - #5 fuel oils, light weight motor oil and hydraulic fluid
Materials	Brass, Tygon®, stainless steel, Viton®, Teflon®
Fitting Type	Quick-connect or barbs
Hose or Tubing	Both are available

Tygon is a registered trademark of Saint Gobain - Norton. Viton is registered trademark of DuPont Dow Elastomers.

Teflon is a registered trademark of DuPont

* gpd = gallons per day, Lpd = liters per day



Characterize Your Specific Site

The QED Test Kit enables you to measure the density and viscosity of your actual floating hydrocarbon layer. This FREE, do-it-yourself kit comes complete with simple, illustrated instructions. Once you have recorded the results of your hydrocarbon test, QED application specialists will be able to provide expert technical assistance in system design and specification.