

4" SOS4® AutoGenie™

4" SOS® AutoGenie™ Skimmers

The 4" SOS4® AutoGenie™ is a safe, reliable and complete system for removing free product layers from wells. The 4" SOS4 AutoGenie system consists of an air-powered pumping unit with a floating inlet that tracks changes in the water level. The SOS inlet uses a hydrophobic screen to avoid taking in water. The special Genie bladder pump with high suction capacity delivers proven reliability and durability. The AutoGenie uses an integral pneumatic timer to control the bladder pump fill and discharge times. A complete line of matched accessories is available to help installation and performance, including in-well tubing, well caps, LNAPL collection tank full shutoffs and other items.

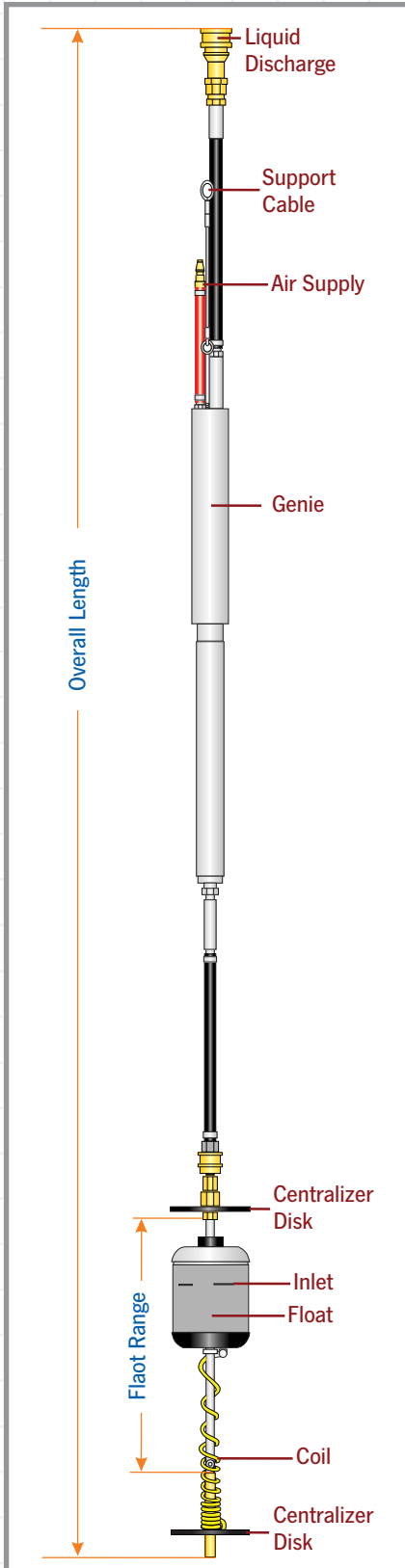
Warranty

SOS4 AutoGenies are warranted for one (1) year.

Advantages

1. Specialized bladder pump is extremely durable, provides high suction to maintain flow, and eliminates contact of drive air with pumped fluid.
2. Continuous, automatic operation that is 100% air powered.
3. Available in a range of flow rates and float travel ranges.
4. Low air consumption.





The 4" SOS4® AutoGenie™ is available in 8 different models with varying inlet float travel ranges and pumping rates. Why so many options? QED has found that each free product recovery site and well can have its own challenges in terms of well depth, liquid column depth, water level fluctuation and desired LNAPL pumping rate. For example, the model with the longest pump and float travel range may be too long for some wells. Check the dimensions and flow rates below, or just call QED to help select the best match for your project.

Specifications

AutoGenie Model	Maximum LNAPL Recovery Rate*	Float Travel Range	Overall Length	Minimum Liquid Column
AG2412 SOS4	160 gpd (605 Lpd)	12 in. (30 cm)	90 in. (229 cm)	5 in. (13 cm)
AG2424L SOS4	160 gpd (605 Lpd)	24 in. (61 cm)	125 in. (318 cm)	29 in. (74 cm)
AG2424C SOS4	160 gpd (605 Lpd)	24 in. (61 cm)	108 in. (274 cm)	11 in. (28 cm)
AG2448 SOS4	160 gpd (605 Lpd)	48 in. (122 cm)	129 in. (328 cm)	11 in. (28 cm)
AG4812 SOS4	320 gpd (1,211 Lpd)	12 in. (30 cm)	115 in. (292 cm)	5 in. (13 cm)
AG4824L SOS4	320 gpd (1,211 Lpd)	24 in. (61 cm)	149 in. (378 cm)	29 in. (74 cm)
AG4824C SOS4	320 gpd (1,211 Lpd)	24 in. (61 cm)	132 in. (335 cm)	11 in. (28 cm)
AG4848 SOS4	320 gpd (1,211 Lpd)	48 in. (122 cm)	153 in. (389 cm)	11 in. (28 cm)

Minimum Well ID	4 in. (10 cm)
Maximum OD	3.79 in. (9.63 cm)
Maximum Depth	150 ft. (45.7 m)
Air Supply Pressure (min/max)	40/100 psi (2.7/6.9 bar)
LNAPL Fluid Density	< 1.0 SG
Kinematic Viscosity	1-200 centistokes
Recommended Initial LNAPL Layer	> 3 in. (> 7.6 cm)
Residual LNAPL Layer	Sheen
Suitable Types of LNAPL	Gasoline, fresh diesel fuel, jet fuels, kerosene, light fuel oils
Materials	Brass, Tygon®, stainless steel, Viton®, Teflon®
Fitting Type	Quick-connect
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