

4" SOS4® Programmable Genie®

C100M
Controller



4" SOS® Programmable Genie® Skimmer

The 4" SOS4® Programmable Genie® is a safe, reliable and complete system for removing free product from wells. The 4" SOS4® Programmable Genie system consists of an air-operated pumping unit with a floating inlet that tracks the 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 4" SOS4 Programmable Genie utilizes the C100M Controller which allows the user to not only control the pump fill/discharge cycles, but also to set OFF periods to match the LNAPL pumping rate to the LNAPL recovery rate of the well. 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

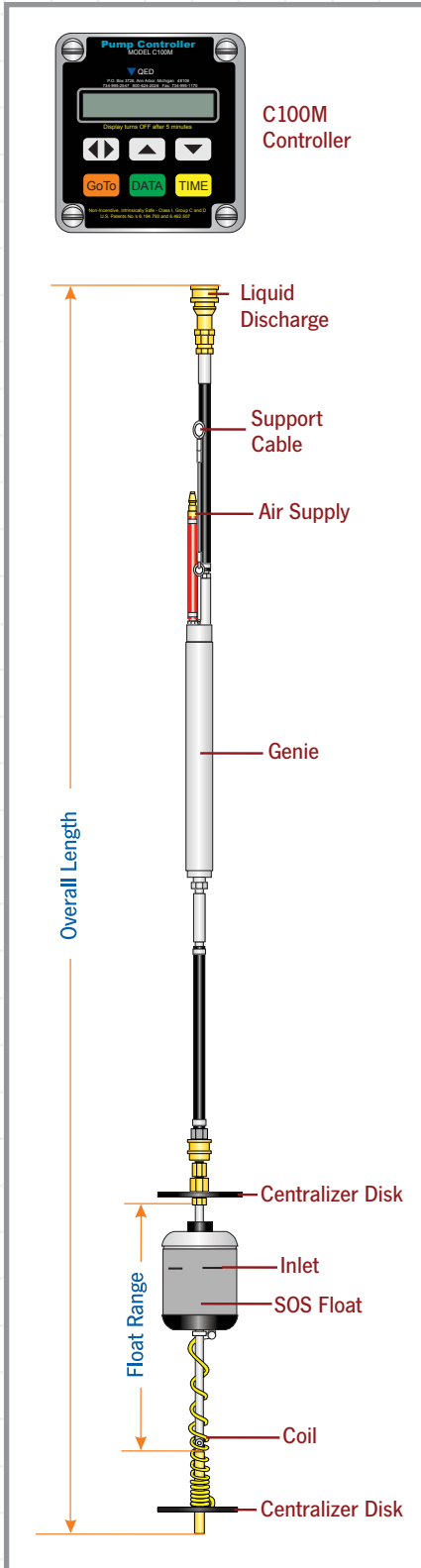
SOS4 Programmable Genies are warranted for one (1) year.

Advantages

1. Specialized bladder pump is extremely durable, provides high suction to maintain flow, and eliminate contact of drive air with pumped fluid.
2. Easy-to-use digital control of pump discharge and refill cycles.
3. Available in a range of flow rates and float travel ranges.
4. Low air consumption.



4" SOS4® Programmable Genie®



Specifications

Programmable Genie Model	Maximum LNAPL Recovery Rate*	Float Travel Range	Overall Length	Minimum Liquid Column
PG2412 SOS4	160 gpd (605 Lpd)	12 in. (30 cm)	80 in. (203 cm)	5 in. (13 cm)
PG2424L SOS4	160 gpd (605 Lpd)	24 in. (61 cm)	115 in. (292 cm)	29 in. (74 cm)
PG2424C SOS4	160 gpd (605 Lpd)	24 in. (61 cm)	98 in. (249 cm)	11 in. (28 cm)
PG2448 SOS4	160 gpd (605 Lpd)	48 in. (122 cm)	119 in. (302 cm)	11 in. (28 cm)
PG4812 SOS4	320 gpd (1,211 Lpd)	12 in. (30 cm)	105 in. (267 cm)	5 in. (13 cm)
PG4824L SOS4	320 gpd (1,211 Lpd)	24 in. (61 cm)	139 in. (353 cm)	29 in. (74 cm)
PG4824C SOS4	320 gpd (1,211 Lpd)	24 in. (61 cm)	122 in. (310 cm)	11 in. (28 cm)
PG4848 SOS4	320 gpd (1,211 Lpd)	48 in. (122 cm)	143 in. (363 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

C100M Pump Controller

The C100M Digital Controller is solar-powered and provides advanced operational capabilities at an economical price. Easy-to-use digital control of pump discharge and refill cycles and programmed OFF times make it convenient to optimize LNAPL recovery to match site conditions.



Tank full shutoff for the collection tank is a safe, simple and inexpensive add-on to the C100M, as an optional level control function. The C100M includes both a highly effective solar power system and a conventional AC power supply. Under solar-powered operation, the C100M is CSA rated as intrinsically safe.