

Electronic Pump Control Unit

Model 464

The Model 464 Electronic Control Unit uses 4 AA batteries and provides 125 psi output. It is fully automatic with preset sample modes from low through high flow settings. In addition, up to 99 unique user-created flow rates can be saved in FRAM memory. The Controller can also be operated manually, which means that even if your batteries run out while you are in the field, you can still obtain a groundwater sample with your compressed air source.

The Controller allows faster purge rates and precise low flow control to ensure a representative sample at 100 ml/min or less when sampling for VOCs. Also available, for higher pumping pressures, the Model 466 gives up to 250 psi output.

These convenient boxes are rugged, dependable and suitable for all environments. Quick-connect fittings allow instant attachment to dedicated well caps, portable reel units and to an air compressor or compressed gas source.

Operating Principles

The Model 464 Electronic Control Unit controls the supply of compressed gas to pneumatic pumps. Drive (pressure) and vent periods are cycled to provide water flow. During pressurization periods water is forced into the sample tubing. The Vent period allows water to re-enter (recharge) the pump. Cycle repetition may be controlled manually or automatically using pre-set pumping rates.



464 Electronic Control Unit (125 psi)

Electronic Pump Control Unit

Model 466

The Solinst Model 466 Electronic Pump Control Unit is designed for deeper applications with preset sample modes, providing a variety of drive and vent cycles; users can also adjust manually for optimum flow rates.

The Model 466 is designed to work with pneumatic pumps and easily connect to an air supply, including the Solinst 12 Volt Compressor. Output is up to 250 psi and 8 AA batteries provide 30 hours of use.



466 Electronic Control Unit
(250 psi)

Control Unit Specifications

Model 464

Operating Temperature:	-20°C to 50°C
Drive/Vent Time Range:	1 - 999 seconds
Memory Capacity:	3 preset flow rate settings Save up to 99 custom flow rate settings
Battery Life:	40,000 drive/vent cycles 100 hrs @ 25°C with 10 second cycles (4 AA alkaline batteries)
Max. Output Pressure:	125 psi (861 KPa)
Weight:	5 lbs (2.3 Kg)
Dimensions:	9.1" x 10.2" x 4.9" (23 cm x 26 cm x 12 cm)