

12 Volt Submersible Sampling Pumps



Keck SP

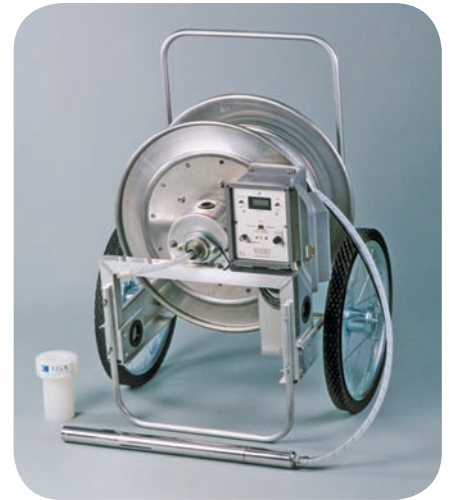
The Keck SP Submersible Sampling Pumps are designed for efficient low flow purging and sampling of groundwater monitoring wells. Keck's special pumping head allows finely grained material to pass through without clogging the unit. No special tools are required for maintenance and each pump can be easily disassembled for decontamination. Available on a reel, backpack, and a portable model that can be used as a dedicated system.

FEATURES

- Constructed of inert materials to protect against rugged field conditions
- 1.75 inch O.D. diameter ideal for 2" diameter wells
- 12 Volt DC powered
- Variable Speed
- Uniform continuous flow
- Low velocities and agitation, ideal for sampling and purging
- Progressive cavity pumping head (rotor and stator)
- Modular construction for ease of cleaning in the field
- Continuous operation for mini-aquifer tests



The Keck SP Back Pack Sampling Pump System

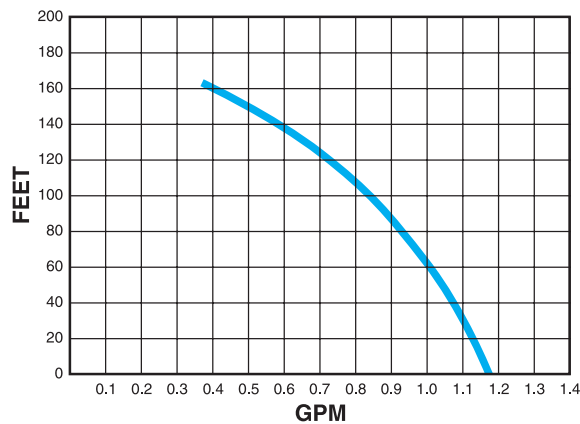


The Keck SP Reel Sampling Pump System

OPERATION

The pumps can operate at a maximum depth of 150 ft. A modular 12 Volt DC motor allows continuous operation of the pump for mini aquifer tests and evacuation of significant volumes of groundwater. They are constructed of stainless steel and an inert EPDM stator.

The pumps are supported by the power cable and are mechanically lowered to the desired depth. The power cable connects the pump to an electrically controlled monitor which can be operated with a 12 Volt vehicle battery or other deep cycle marine battery. Water is pumped to the surface through 1/2" I.D. polyethylene or 3/8" I.D. Teflon® tubing.



Performance Curve

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205 • (303)320-4764 • (800) 833-7958 • FAX (303)322-7242 • email: sales@geotechenv.com • www.geotechenv.com

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SPECIFICATIONS			
	SP REEL SYSTEM	SP BACK PACK SYSTEMS	PORTABLE SYSTEM
Size: Pump System	25"L x 1.75"O.D (64 x 4.5cm) 20"W x 23"D x 26"H	Pump: 25"L x 1.75"O.D (64 x 4.5cm) Back Pack: 16"L x 17.5"W x 26"H	25"L x 1.75"O.D (64 x 4.5cm)
Weight: Pump System	8 lbs. (3.6 Kg) 96 lbs.	8 lbs. (3.5 Kg) 56 lbs. (25.2 Kg)	8 lbs. (3.6 Kg) 45 lbs.
Operating Temp. Range	32° to 100°F (0° to 38°C)	32° to 100°F (0° to 38°C)	32° to 100°F (0° to 38°C)
Operating Time	Continuous w/constant 12V to 14V DC power source	2.5 hours approximately	Continuous w/constant 12V to 14V DC power source
Power	12V DC at 15 amps	12V DC at 8 amps	12V DC at 15 amps
Pressure	65 psi	27 psi	54 psi
Capacity	1.2 gpm at 10 ft. of head 0.3 gpm at 150 ft. of head	1.5 gpm at 10 ft. of head 0.3 gpm at 60 ft. of head	1.2 gpm at 10 ft. of head 0.3 gpm at 125 ft. of head
RPM	60 to 500 RPM	60 to 500 RPM	60 to 500 RPM
Pumping Head	Positive displacement rotor progressive cavity, and stator (EPDM)	Positive displacement rotor progressive cavity, and stator (EPDM)	Positive displacement rotor progressive cavity, and stator (EPDM)
Materials	Stainless Steel, EPDM and Poly	Stainless Steel, EPDM and Poly	Stainless Steel, EPDM and Poly
Power Cable	Poly, sheathed, 10 gauge 2-conductor	Poly, sheathed, 10 gauge 2-conductor	Poly, sheathed, 10 gauge 2-conductor
Discharge Tubing	Poly 150' 1/2" I.D.	Poly 62.5' 1/2" I.D.	Poly 125' 1/2" I.D.
Options	Inflatable packers 2" & 4", Teflon® discharge tubing	Teflon® discharge tubing, inflatable packers 2" & 4"	Inflatable packers 2" & 4", Teflon® discharge tubing, cable reel & wheel kit

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