

A simple, economical, and portable pump for easy purging of wells down to 40 or 60', draw down and recharge tests, and dedicated well sampling. It can also be a disposable pump suitable for well development.

Features & Construction

Made of ABS plastic the pump uses a 3/8" ID hose or when used with the adaptor a 1/2" ID hose: nylon reinforced PVC is recommended. The pump impeller is stainless steel and the seals are synthetic rubber. Power is supplied by a 12V source such as an automobile battery. An inlet strainer helps to keep debris out of the pump; but it will not restrict sand and silt from entering, which can damage the pump. Power attachments are via battery clips. Cable length on the standard is 55' and 70' on the deluxe.

Use & Operation

Connect tubing to the pump and lower into well, suspending the pump by the tubing, not by the electrical line. Connect the battery leads to begin pumping. To prevent cavitation upon startup and to prime the pump, turn it on for four seconds and then off four seconds, three to four times. Greatest pumping volume is accomplished using the larger 1/2" ID tubing. Maintenance consists of cleaning the strainer. The pump is sealed and cannot be disassembled.

Additional Information

Pump should not be operated in the silt trap of a well. Do not run pump dry or from the battery of a vehicle which is running. Pump strainer may be removed and the pump used as an inline pump. The Deluxe Pump is actually two standard pumps connected together. Since the pump output is off-center slightly, the top pump is offset a bit. The standard pump is 1 1/2" OD, but the deluxe is 1 3/4" OD due to this offset.

Common Questions

- Q.** How deep will it pump?
- A.** Up to 40 or 60'.
- Q.** What is the pump rate?
- A.** Varies with depth; see graph on spec sheet.
- Q.** Can the pump be decontaminated?
- A.** Yes, see maintenance section of the Instruction sheet.

- Q.** Will hydrocarbons harm the pump?
- A.** Probably not, but see the warnings section on the Instruction sheet.
- Q.** How long will the pump last?
- A.** If clean water is run through it, expected life is up to 350–400 hours (~25,000 gals., but actual will be considerably less for well applications).

Specifications & Warranty

	Standard Pump	Deluxe Pump
Voltage:	12V DC	12V DC
Diameter:	1 1/2"	1 3/4"
Length:	6"	13"
Output:	3.0 gpm Max. 0.0 gpm @ 40'	2.8 gpm Max. 0.0 gpm @ 60'
Fuse Rating:	7 Amps	14 Amps
Discharge Hose:	3/8" or 1/2" ID	3/8" or 1/2" ID
Impeller:	Stainless Steel	Stainless Steel
Casing:	ABS Plastic	ABS Plastic
Seals:	Synthetic Rubber	Synthetic Rubber
Pumping Method:	Rotary Stroke	Rotary Stroke
Lead Line:	55'	70'
Warranty:	2 mos. on pump	2 mos. on pump

Ordering Information

- 221216 DC40 Purging Pump
- 221224 DC60 Purging Pump

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