

DC Purging Pump

Battery powered, submersible pump for groundwater purging

The DC Purging Pump provides an easy-to-use, high-quality and economical solution for purging, sampling and developing wells to a depth of 60 ft (18 m). The upgraded motor in the pump provides a higher flow rate and higher long-term reliability than previous models. Two models are offered: the Single Pump (TR-040) and the Tandem Pump (TR-060).

The Single Pump can deliver 5 gpm at ground level (no head) and pump water at depths of up to 45 ft. The Tandem Pump can pump from depths of up to 60 ft. See the pump performance curves on page 2. The pumps require between 8 and 14 V to operate and will achieve maximum flow at 14 V.

The pump's 1.58" (40 mm) diameter is ideal for use in 2" or larger monitoring wells. Constructed of ABS plastic, the pump offers nitrile rubber seals and a stainless steel impeller with an inlet strainer to keep debris from fouling the pump. Both our models ship completely pre-assembled and packaged with leads and alligator clips to connect to a 12 volt battery terminal. The optional Cigarette Lighter Assembly (TR-207) makes it even easier to power the pump from a car battery.

The pumps feature a heavy gauge cable to reduce voltage drop and all below water connections are hermetically sealed to ensure reliable operation. The pumps offer a connection port for a 3/8 or 1/2 in discharge hose.

The Tandem Pump (TR-060) includes 65 ft of 16 gauge watertight motor lead with a quick connect pin and 5 ft batter lead with quick-connect adaptor. This adaptor is normally connected to battery clips but is easily attached to the Cigarette Lighter Assembly (TR-207). The Single Pump (TR-040) is similar except that the motor lead length is 45 ft.



DC Purging Tandem Pump (TR-060)



DC Purging Single Pump (TR-040)

ORDERING INFORMATION

| | |
|---------------------------|--|
| TR-040 | DC Purging Single Pump, 45 ft depth, 45 ft cable |
| TR-060 | DC Purging Tandem Pump, 60 ft depth, 65 ft cable |
| Accessories: | |
| TR-207 | Cigarette Lighter Assembly |
| Replacement Parts: | |
| TR-146 | Replacement DC Purging Single Pump (no cable) |
| TR-208 | Replacement 5 ft Lead |

SPECIFICATIONS for DC Purging Pumps

| | TR-040 | TR-060 |
|-------------------|----------------------|----------------------|
| Voltage | 12 V (dc) | |
| Diameter | 1.58 in | |
| Max. Pump Volume* | 5.0 gpm* | |
| Max. Lift / Head | 45 ft | 60 ft |
| Recommended Fuse | 5 A | |
| Discharge Hose | 3/8 or 1/2 in I.D. | |
| Max. Oper. Temp. | 140°F | |
| Impeller | Stainless Steel | |
| Casing | ABS Plastic | |
| Seals | Nitrile Rubber | |
| Cable Length | 45 ft | 65 ft |
| Cable Size | 16 gauge | |
| Shipping Weight | 3 lb (1.4 kg) | 5 lb (2.3 kg) |

* At ground level. Pump volume decreases with depth. See performance curves.

Tech Tips:

Running periods should be restricted to 30 minutes maximum followed by 10 minutes of cool-down.

The pump should not be run dry.

Turbid, dirty or silty water will cause premature wear. Thick or muddy water will damage the pump.

