

QUICK START GUIDE: vanwaltHEX-Pump



- The pump is supplied with charged batteries
- Insert the silicone pump head tubing GTSIL by rotating the lever on the pump head anti-clockwise. Seat the tubing correctly and close the pump-head lever. The pump rotates clockwise.
- Cut a length of LDPE tubing to match the deployment depth by slipping it into the silicone tubing on the suction side of the pump. Clamp on the junction of the two tubes with the tubing clamp (Herbie Clip). Observe the direction of flow, which is clockwise. Cut a horizontal inflow notch 50mm from the base of the tube. This will reduce unwanted sediment in your sample.
- Attach a short length of LDPE tube on the discharge side. If you are connecting to a flow-through cell connect to the chamber's lower intake nipple with a small length of silicone tubing.
- Rotate the potentiometer knob clockwise. This will turn on the pump. Regulate pump speed to achieve the desired flow rate. For low flow purging and sampling this should be between 100-400 ml/min but check drawdown with your dip-meter. Draw-down should be +/- 300mm and never more than 500mm.
- If you are wishing to purge the well more quickly, for example because you wish to remove sediment from the base of the well then dial to the fastest pump speed (500 rpm).
- A red LED light will flash for 90 seconds to indicate that the batteries are discharged. After the 90 seconds the pump will automatically switch off to protect the batteries.
- Use the supplied Mascot charger to recharge the batteries. Connect the charger lead to the connector on the pump. Re-charge overnight but for best use 12-18 hours. The intelligent charger can remain connected and **it is best practice to leave the unit permanently on charge when not in use. Do not use any other charger, only the one supplied with the pump!**

