

Blue Unit - Sampling Solution

Challenge

Sampling water can be time consuming, and it can be hard to get access to the sample location.

Taking a representative sample can be a challenge.

Solution

Blue Unit offer a solution where we can pump water from your location to a centralised unit where you can either collect your sample or we can install the sensor you like to analyse your samples.

How it works

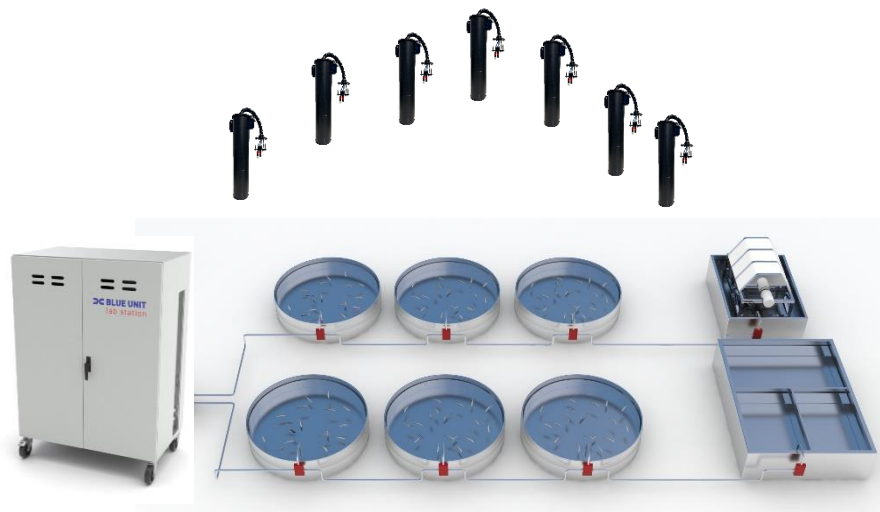
You can set the system to sample the water at a preset frequency or you can manually order a sample from your PC or tablet. Ordering sample can be done either from your control room or while out in the field.

The water will be pumped from one or several locations into the sampling chamber. From here you can manually collect your water, or we can make a system for analysing the water with various sensors.

The system will automatically fill the sample chamber drain it and refill a new sample to ensure a representative sample is collected.

After the sampling the sample hose is blasted with pressurised air to clean the pump line.

Even automated cleaning by acid and base can be build into the system if risk of biofouling.



1Photo from Unsplash



3Photo from Unsplash



2Photo from Unsplash

Benefits

- ✓ Suits many industries
- ✓ Automated
- ✓ Self-cleaning
- ✓ Can sample from several locations.
- ✓ Can sample from various depths.
- ✓ Can be used in both fresh and saltwater.
- ✓ Flexible
- ✓ Time saving
- ✓ Built in EU
- ✓ Extendable
- ✓ Pump parts made of plastic.
- ✓ Long lasting pneumatic pumps

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stable water quality