



Water Sampling and Submission

When taking water samples please follow the instructions below:

1. Ensure that you have a clean shippable container(s) capable of holding 300ml of water per sample. Please use sealable containers that are either brand new or have previously held distilled water that have air dried. Please **do not** use containers that previously held anything other than water as the sample and subsequent test results may be affected. Please **do not** use detergents to clean bottles prior to sampling as they too may affect the test results.
2. The sampling point should be situated in a flowing section of the system, not a “dead leg” branch where water may have been sitting stagnant for some time. If drawing a sample from a flowing section of the system drain for at least 30 seconds before taking your sample.

If the only sampling point available is in a “dead leg” branch such as a drain line, be sure to run plenty of water off in order to obtain a fresh sample. It’s essential that you drain off substantially more than the capacity of the “dead leg” as eddy currents within the pipe will prevent stagnant water from draining out directly.

3. The most time sensitive water test is pH and this reading **must** be taken at the time of sampling, if you don’t have a means of doing so please let us know in advance of taking your sample so assistance can be provided.
4. You may have a local lab that you use or your customer may have lab facilities. The following 9 tests show what we require in order to carry out an analysis of the water type (again pH must be read at the time of sampling):

	Water Test Results
Total alkalinity (CaCO3) as ppm	
Chlorides, Cl (ppm)	
Sulfate, SO4 (ppm)	
Total hardness (CaCO3) ppm	
Calcium hardness (as CaCO3) ppm	
Magnesium hardness (as CaCO3) ppm	
pH	
TDS ppm	
Conductivity	
If high levels are suspected: Iron, Fe (ppm):	
If high levels are suspected: Silica (ppm):	



5. Label the sample clearly showing the following:

Fluid Dynamics Water Sample

Date and time that the sample was taken

Customer's name

Your name

The identity and type of system that the water sample was drawn from

The location in the system from which the sample was taken

6. Once your samples are prepared and appropriately packaged for shipping contact a company representative for instructions.

