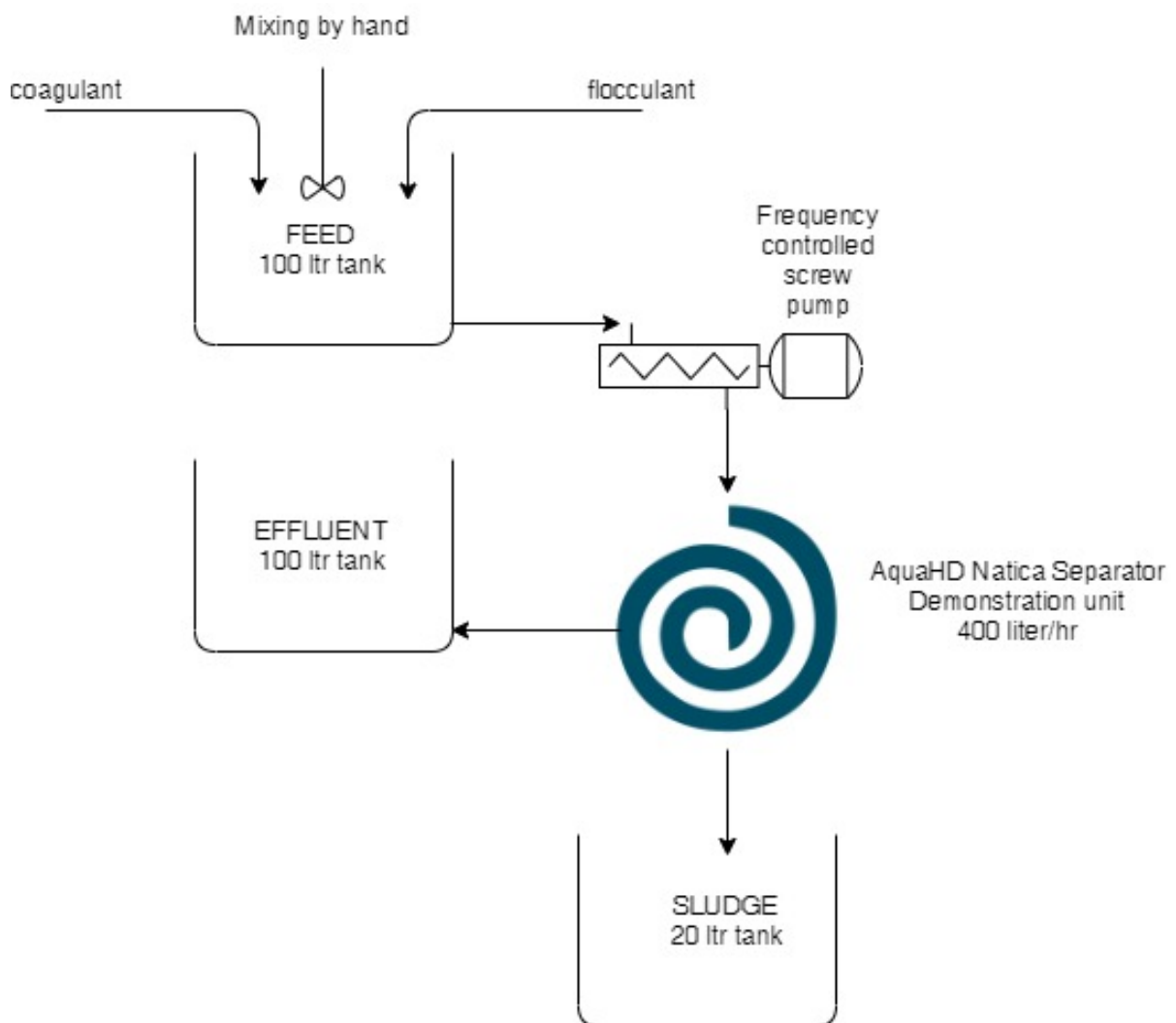


# TYPICAL PROCESS FLOW DIAGRAM FOR AQUAHD NATICA DEMONSTRATION UNIT

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## **Basic test protocol :**

**First perform jar testing !**

**Jar testing will determine the right dosing concentrations of the coagulant and flocculant to get big flocs that will settle easily and will produce clear(er) water.**

**Only after successful jar testing, then proceed with using the AquaHD Natica demonstration unit !**

**First do a few test-runs with clean water as to clean out the Natica from any possible left overs from previous testing.**

**Also this will allow you to set the correct frequency of the screw pump as to obtain a flowrate of 400 ltr/hr.**

**Drain all tanks after all is set and then proceed with the following :**

**Add 100 ltrs of the water to be treated to the FEED tank.**

**Add the correct amount of coagulant and mix it thoroughly.**

**Add the correct amount of flocculant and mix it thoroughly.**

**If all goes ok, you will see flocs start to occur which want to settle in the tank : gentle keep stirring the water as to prevent the flocs to settle.**

**Start the screw pump with the correct flowrate.**

**After approx 12-15 minutes the FEED tank will be empty : stop the screw pump.**

**Take sample from the EFFLUENT tank and compare this with the FEED quality.**

**Drain all tank tanks and repeat the tests until sufficient samples have been taken.**

**Note :**

**After all tests have been executed, please clean out all tanks using fresh water.**

**Then fill the Feed tank with clean water and increase the flowrate to maximum (approx . 600-800 ltr/ltr) as to flush out the Natica.**