



aqua monitrix[®]

setLR Monitrix
Pretreatment Settler System

External



Internal



Layout

Air Bleed Valve

Filter Containment Tube

Settling Tank

Enclosure Heater **

Delivery Valve

Drain Valve

Power Distribution Panel

Aquamonitrix analyser *

Delivery Pump

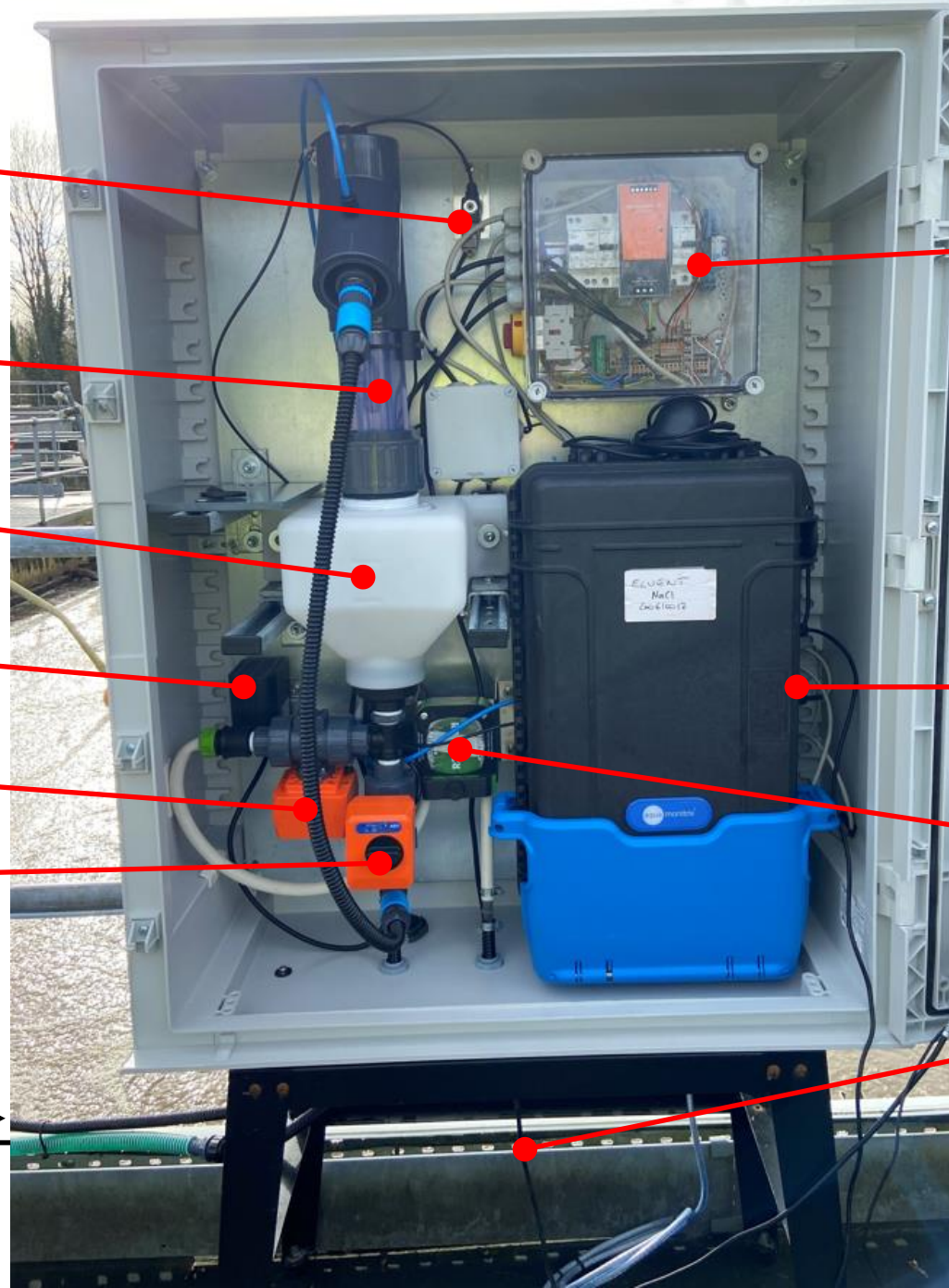
Mains Power

Strainer

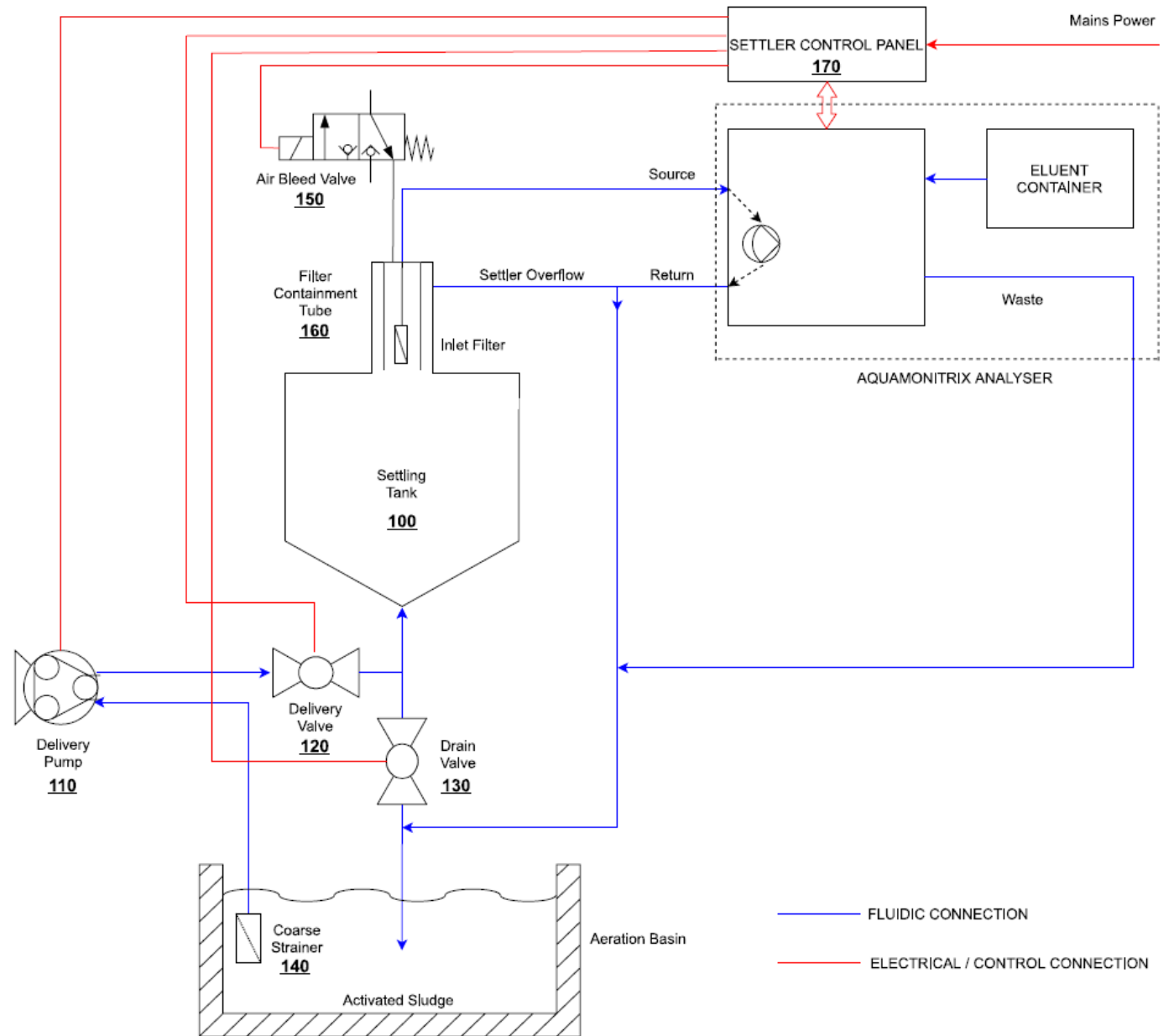
FROM AERATION BASIN

TO AERATION BASIN
(TANK DRAIN)

* Includes expansion control for Settler
** Optional accessory



Operating principle:



Product Specification

- **Electrical Power:** 120-240Vac single phase, 240W max., 50/60 Hz
- **External Size:** 1056mm (H) x852mm (W) x 350mm (D)
- **Operating Temperature range:** 5 – 40°C
- **Sample Temperature range:** 2 – 50°C
- **Max. Suction Lift of Pump:** 7 metres
- **Wetted Materials:** PVC, PP, PE, thermoplastic elastomer
- **Net Weight:** 60kg approx. (without Aquamonitrix unit installed)
- **Pump Flow Rate:** up to 3 L/min
- **Settler Tank capacity (filled):** 4 litres
- **Minimum sampling interval:** 15 mins
- **Settling Time range:** up to 30 mins
- **Inlet/Outlet Hose:** 1/2" reinforced flexible PVC
- **Strainer:** Coarse strainer on inlet, uPVC construction, 5mm perforated hole size, 1/2" hose connection
- **Enclosure construction:** Fibreglass Reinforced Polyester (FRP), hinged door w/ panel key lock
- **Enclosure rating:** IP66 to IEC 60529
- **Mounting options:** wall-mount or pedestal/plinth mount (no mounting system provided)
- **Controls and Software:** Controls integrated to Aquamonitrix analyser (AQUAtest s/w available to support install & service)
- **Pump and valves, electrical:** 24Vdc powered

Assembly and Cleaning



Tank Assembly (removed)



Filter Containment Tube



Jet Nozzle



Strainer

S/W Configuration

AQUAtest v5.1.0

aquamonitrix®

Aquamonitrix Settler

Serial Port: COM16

Disconnect

Sample Detected

Settler State: (1) System Idle

Phase	Length (sec)
Idle	—
Tank Filing	200
Settling Period	245
Sampling	14
Draining	60

Next Run: 96 minutes

Cleaning Mode: [Dropdown]



Configurable settings

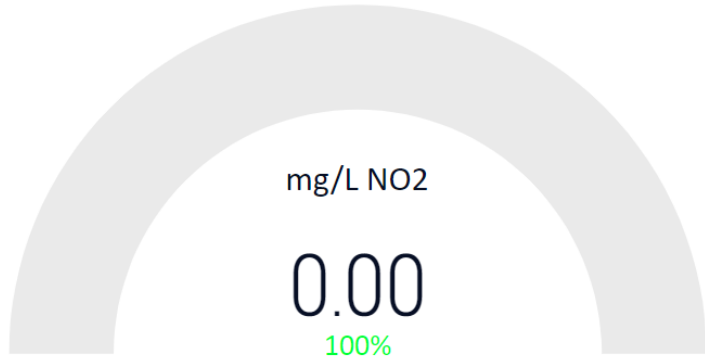
Validation testing, ASP @ MN WWTP, Ireland

WATER QUALITY

Last 7 Weeks

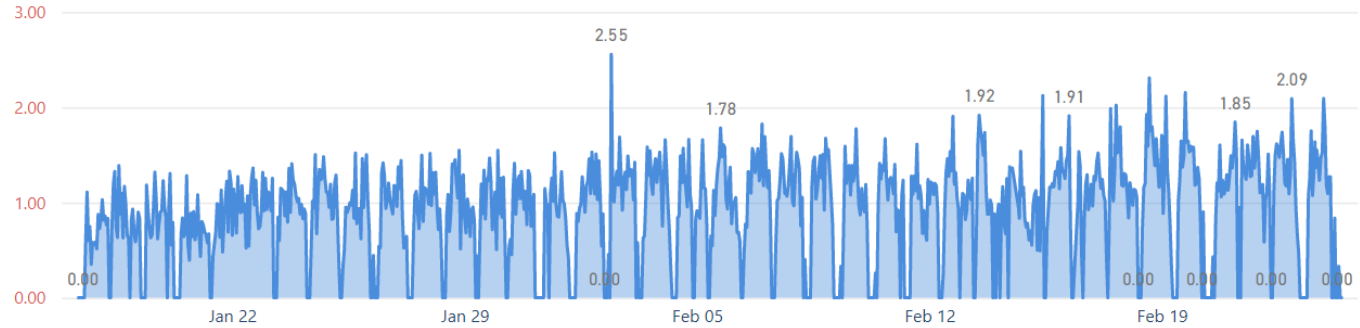
History Environment

1/7/2023 - 2/24/2023



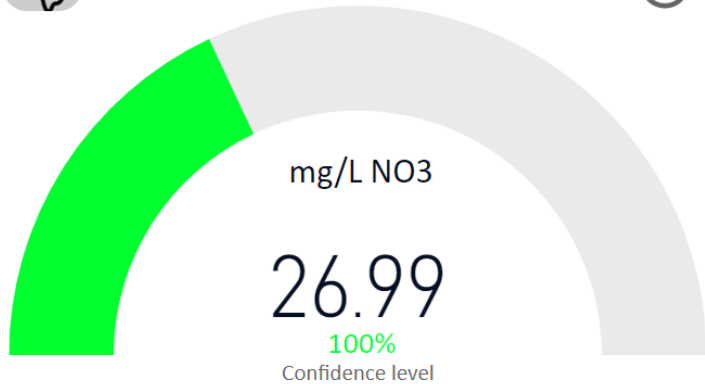
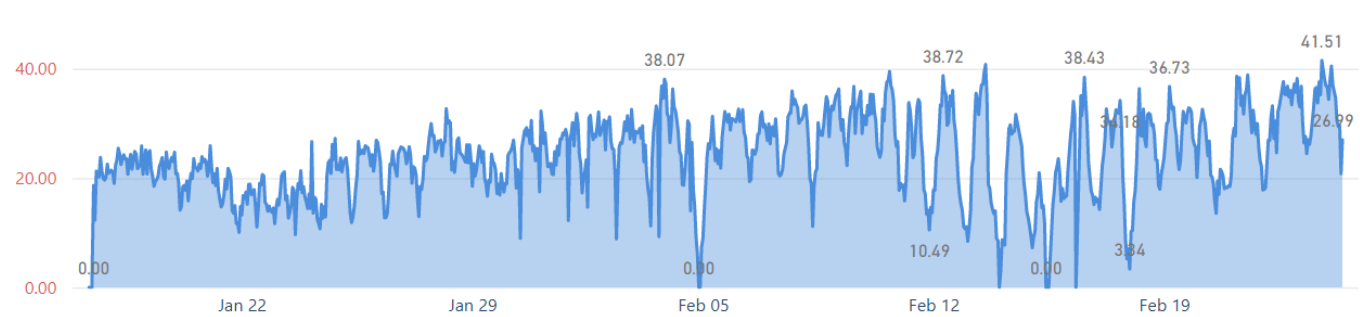
NO2 mg/L level over Time

Unit ● The settling unit NaCl



NO3 mg/L level over Time

Unit ● The settling unit NaCl



LAST STATUS READING

OK

Fluids

OK

Eluent

OK

Guard

OK

Door

OK

Leak

OK

Tilt

OK

Temperature

OK

Unit Status

OK

Humidity

OK

Voltage