Advantage *Europe*

NanoTron Applications

NanoTron Controller
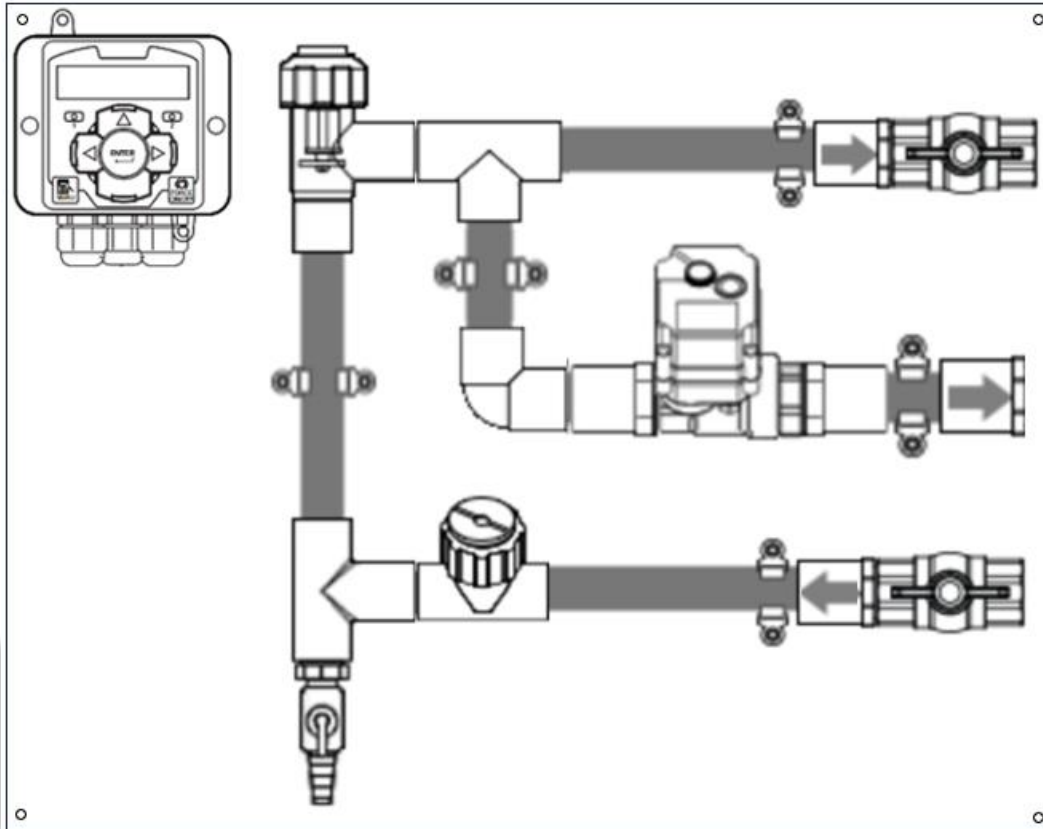
Models:

- **NANO-C Dual Relay Control:**
    - Conductivity Control
    - Feed Timer
    - 4-20mA Output Option

- **NANO-pH/ORP Control:**
    - pH or ORP Control
    - Feed Timer
    - 4-20mA and Pulse Output Standard

- **NANO-N Analog Input Control:**
    - 4-20mA Input
    - 4-20mA and Pulse Output
    - 2 Relais Outputs

- **NANO-M Corrosion Control:**
    - Corrosion & Pitting Monitor
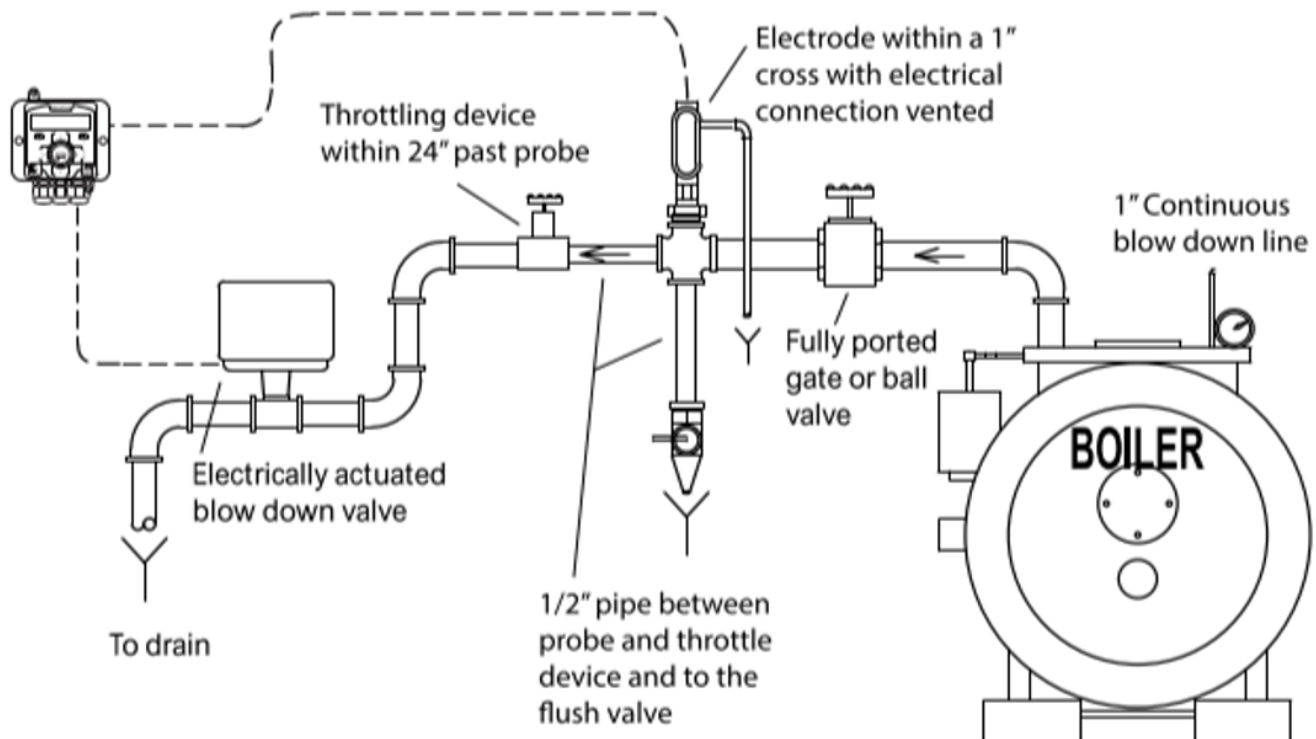   - 4-20mA Output
    - 1 Relay Output

NANO-C Cooling Tower

NanoTron controller on a prefab panel with flowswitch, ball valves, conductivity measurement and a bleed valve.

The NanoTron controls the bleed valve based on the conductivity measurement and the biocide dosing pump based on the internal feed timer.

NANO-C Boiler

Electrode within a 1"
cross with electrical
connection vented

Throttling device
within 24" past probe

1" Continuous
blow down line

Fully ported
gate or ball
valve

Electrically actuated
blow down valve

To drain

1/2" pipe between
probe and throttle
device and to the
flush valve

BOILER

NanoTron controller in a typical boiler application.

The NanoTron controls the blow down valve with the integrated Timed Sampling method. A timer allows the conductivity to be sampled at periodic intervals. If the conductivity is below the set point by the differential amount, the bleed relay will be turned off at the end of the sample duration and the sample interval countdown reinitiated.

NANO-pH/ ORP
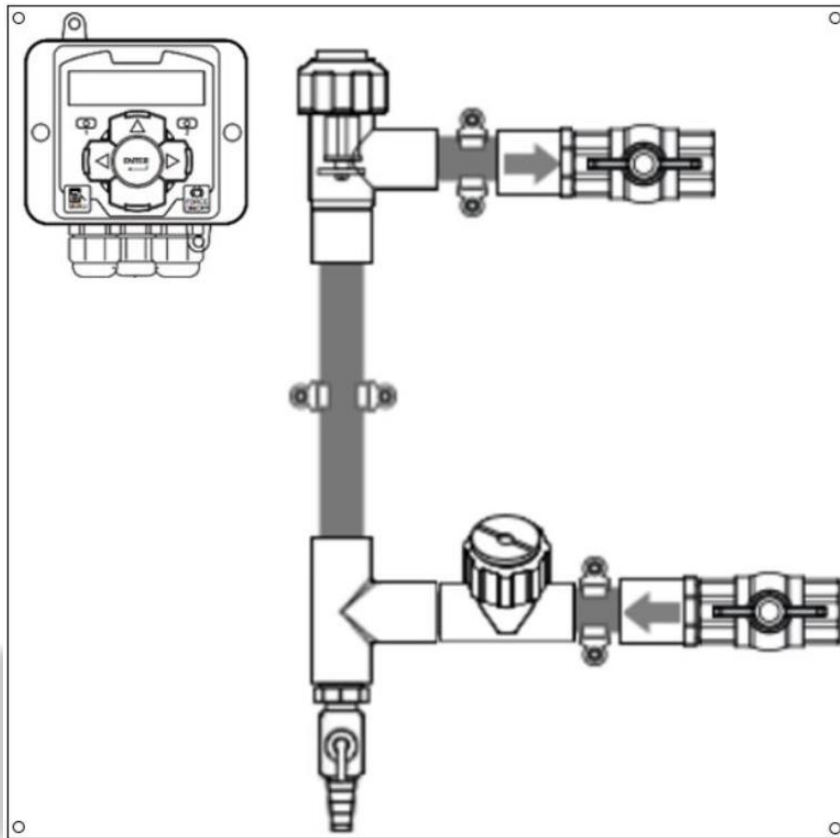
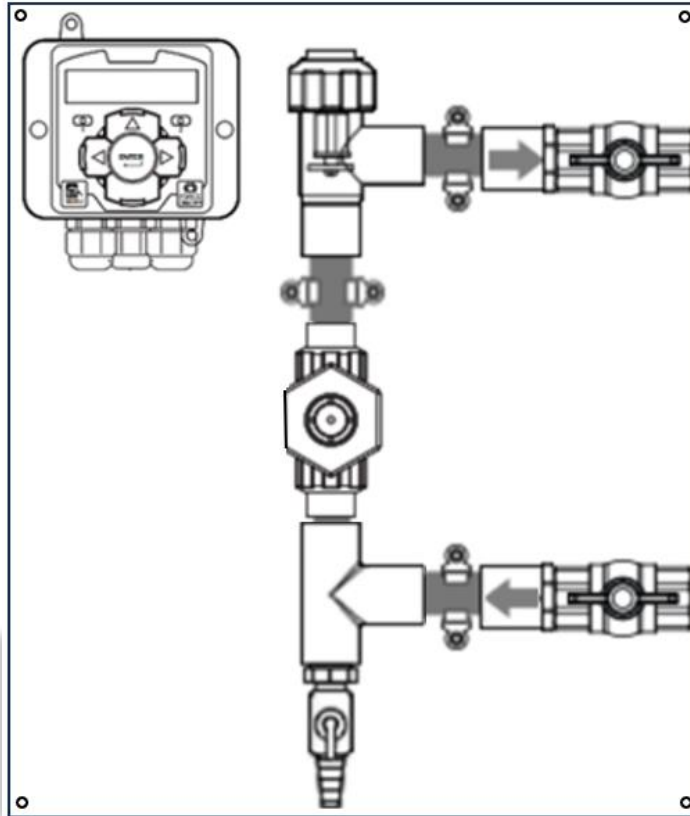NanoTron controller on a prefab panel with flowswitch, ball valves and pH measurement.

The NanoTron controls the dosing pump based on the pH measurement. The second relay is used for alerting a High Alarm. The 4-20mA output is sending out the measured pH-value to a SCADA-system for Data Logging.

NANO-M Corrosion
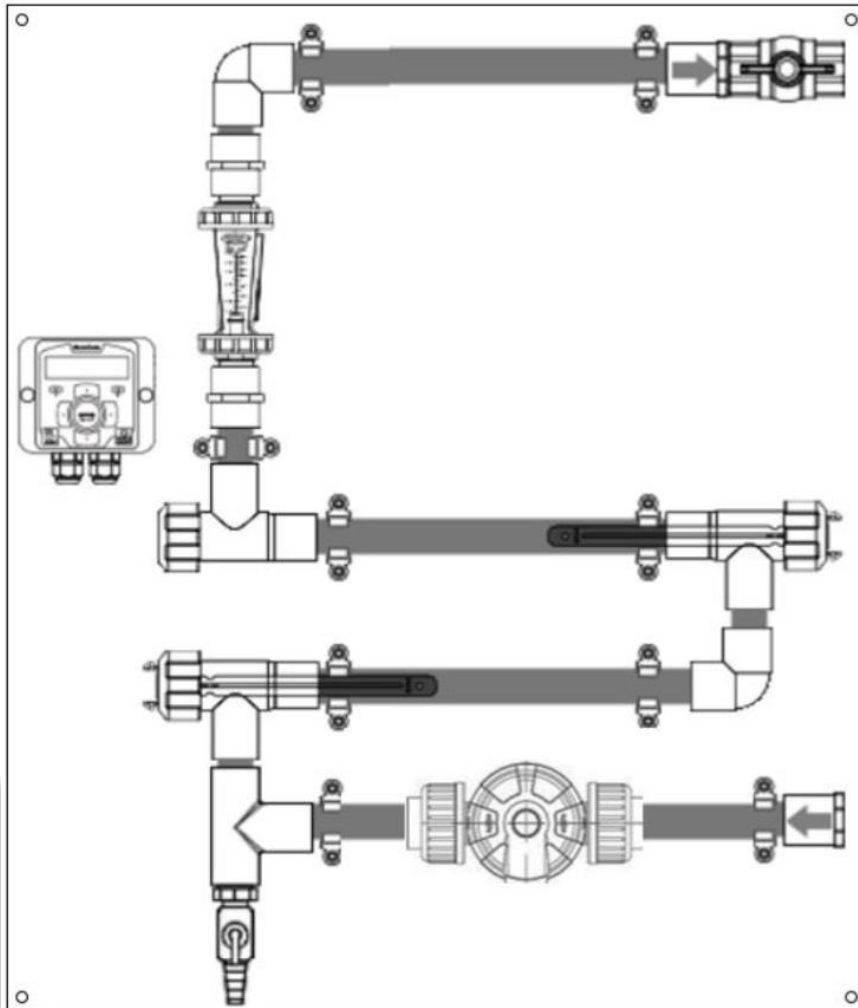
NanoTron controller on a prefab panel with flow indicator, ball valve, diaphragm valve, LPR Corrosion rate measurement and two corrosion coupons.

The NanoTron measures the Corrosion & Pitting rate. The relay output can be used to alarm, while the 4-20mA output sends out the measurement to a logger or PLC. The two corrosion coupons in the manifold make that this panel provides a complete corrosion monitoring of the system.

NANO-N Analog Input

NanoTron controller on a prefab panel with flowswitch, ball valves and PTSA measurement.

The NanoTron controls the dosing pump based on the PTSA measurement. The second relay is used for alerting a High Alarm. The 4-20mA output is sending out the measured PTSA value to a SCADA-system for Data Logging.

Contact

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