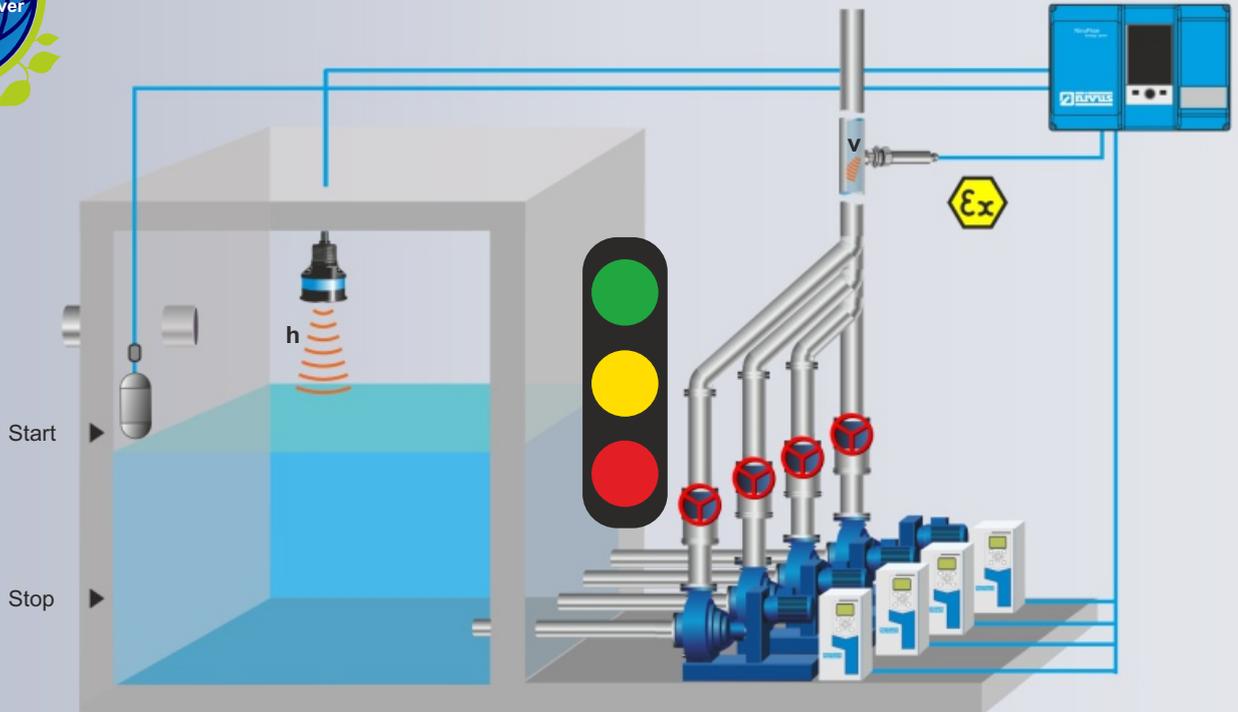
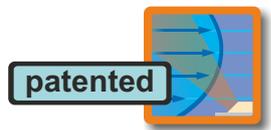




NivuFlow Energy Saver



Saving Energy and improving your processes



Welcome to Green NIVUS

NIVUS has for decades operated in the field of water and wastewater and feels responsible for protecting the environment. With our smart measurement systems we offer carbon savings of up to 80% compared to conventional measurement methods. In collaboration with a major UK water company we have developed a new measurement system with further potential for environmental protection. The NivuFlow energy saver helps our customers to save energy and improve pump station and maintenance efficiency with or without variable speed drives.

NivuFlow Energy Saver

High Accurate Flow Meter + Energy Saving Capabilities

The patented NIVUS Cross Correlation method enables highly accurate real time flow measurement. Measurement of local velocities at 16 gates results in a real time flow profile for your best flow measurement. The easy and safe installation of the NIVUS pipe sensors enables quick retrofitting without shutting down your pump station.

Based on real time flow the NivuFlow energy saver allows you to realise energy saving potentials with many more benefits for your pump station operators.

Continuous Pump Performance Monitoring

Instantaneous Pump Station Efficiency in kWh/MI shows current performance at a glance

Well level display for quick check-up

Pump Efficiency displays for status visibility of each pump (all 4 Pumps)

Traffic Light Displays for quick detection of efficiency (all 4 Pumps)

Red / Amber / Green status displays efficiency at a glance

Application determined status setting

Real Time Flow resulting from cross correlation measurement

Velocity display for indication of self-cleaning of pipe

See total flow since installation or individual starting point

Historical 24 h performance indication showing station efficiency in Red / Amber / Green

Indication of possible pump degradation

Multiple page display e.g. proving Consent Flow Compliance of Environment Agency





Alarms

- Well high level low flow alarm shows potential pollution threats
- Critical low flow informs about possible degradation of flow pumps in dry weather conditions
- Critical high flow alarm indicates potential bursts in pipes
- Selectable application specific parameters for the alarms

Benefits

- Prioritised call out intervention
- Unique and easy to identify Traffic light system
- Maximizes efficiency of maintenance operations
- Saves unnecessary call outs
- Automatic Storm Control with Variable Speed Drive
- Minimises Pump Lifts
- Reduces health & safety/ lone worker risks
- Anti-Jamming Function
- Reduces Carbon miles



INSTRUMENTATION FOR WATER INDUSTRY

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