

HYCONTROL

LEVEL MEASUREMENT SOLUTIONS



Waste Water Foam Monitoring & Control



Versatile Solution to Simple Waste Water Foam Processes



The SmartFoam sensor is an elegant addition to the Hycontrol foam monitoring range, designed to detect and control foam in a single unit. Within its head the SmartFoam holds a built-in transmitter, meaning foam detection and control are managed without the need for an external controller. This integrated sensor shares the Hycontrol foam family's characteristics of reliability, resilience, and complete immunity to fouling.

Monarch Chemicals of Sheerness is a company which takes its environmental responsibilities seriously. The company is justifiably proud of its ISO status and is currently working towards its European counterpart, ESAD (European Single Assessment Document). Disposal of residues from its chemical production is also subject to Southern Water's strict regulations.

Projects Manager, Trevor Goddard, explains: "While researching a solution to the problem of foam spillages during waste water treatment, I was delighted to discover a company who seemed to offer the answer."

Having commissioned a new, fully automatic break tank system to neutralise residues prior to disposal, Hycontrol were able to customise their foam sensor to respond to the new computer-controlled system, activating dosage of pH adjustors only when necessary.

"As with many simple ideas, it is relatively easy to tailor the sensor to an individual client's needs. It can also be incorporated into other manufacturers' systems, offering an intelligent solution to foam control," says Steve Gallagher, Technical Director of the Charis foam detection and control range at Hycontrol.

"Since installing the foam control System six months ago, our usage of anti-foam chemicals has drastically reduced and foam spillages are non-existent. We are confident that the system is monitoring and treating our waste water to our exacting standards, 24/7," added Trevor Goddard.

Constructed from 316 Stainless steel and PVDF with a polypropylene head, it offers an ideal solution for foam control which is very easily installed into an existing process system.



The SmartFoam can be connected directly to a PLC or process controller without the need for any additional instrumentation. The sensor includes a ¾" BSP tapered fitting to enable it to screw into a process tank. Alternatively it can be fitted by means of a bracket over an open tank. The sensitivity of the sensor can be adjusted according to the needs of each application. It is easily cleaned and fully weatherproof for outdoor situations.

The SmartFoam sensor is ideally suited to straightforward process situations requiring foam monitoring and control, such as:

- Food Processing
- Carbonated Beverages
- Brewing
- Paper Manufacture
- Waste Water & Effluent Treatment
- Activated Sludge Tanks



To read more of our applications in the chemical, food & beverage, nuclear, water & waste, recycling, quarrying and metals industries, please go online at hycontrol.com

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