

we create solutions

aquasant  

LIMIT VALUE / FOAM DETECTION



mipromex[®]
dynamic foam detection
chemistry

Detect foam reliably

The limit switch mipromex® type MLS with the bar probe monitors foams in reactors.

The probe technology of aquasant®, with its 3D measurement performance, allows a very high resolution.

With the dynamic measurement value monitoring the detection of any foams, even with adherence, is guaranteed!

The customer specific probe model, combined with the impedance measuring principle, ensures a reliable measurement of your products.

- You work with foams of different consistency, el. conductivity and dielectric characteristics
- You want:
 - Product changes without extensive parametrization
 - Efficient use of anti-foaming agent
 - Increase efficiency of the plant

Foam dynamic detected

- 3 D measurement performance
- Secure detection even with adherence
- In-situ, in real time
- With customer specific probe models



Detection of different foam types

From the chemical to biotech field changing production processes demand new innovative measurement technologies. Rising foam heads can lead to soiling of vent or product pipes so process operation has to be interrupted for time intensive cleaning. The aquasant system allows an efficient use in pharma, food and agro industry.

The high resolution impedance measurement combined with the dynamic measurement value monitoring of the mipromex® type MLS, allows you in a multi purpose plant to change products without a renewed product parametrization. The FDA conform probe construction permits sterilization or autoclaving of the probe. Aquasant provides models with remote measurement electronics as well. The self-monitoring aquasant control device mipromex® MLS guarantees a safe, fully automatic foam detection.

Description

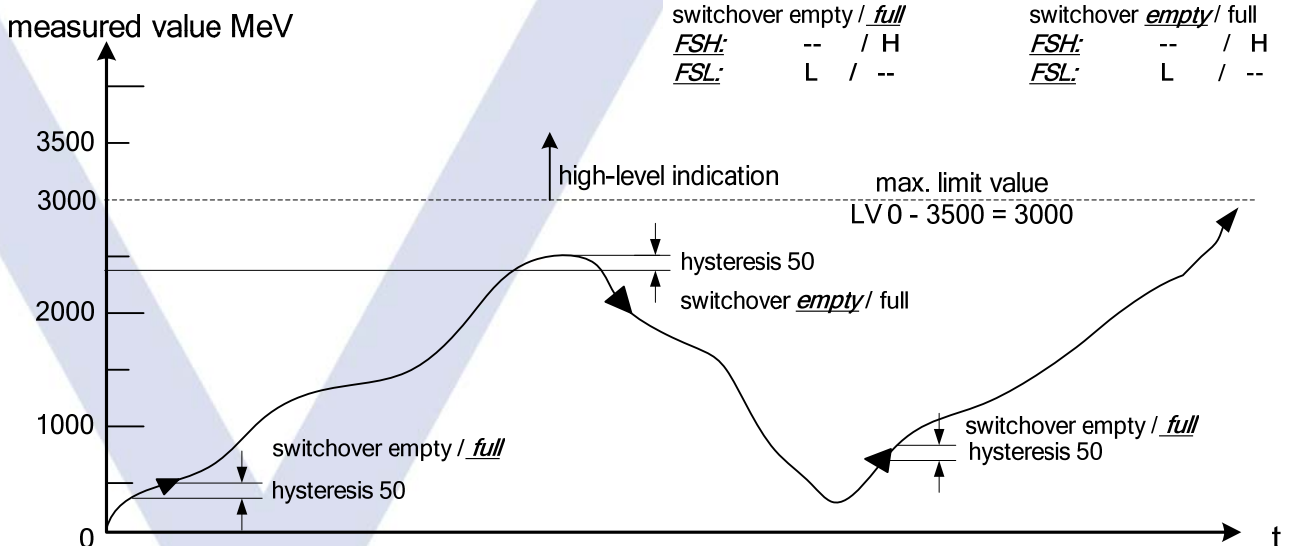
The limit switch mipromex® type MLS processes the digital measurement signal of the measurement electronic MTI.

The intrinsically safe power supply occurs via a shielded two-wire cable to the measurement electronic in the connecting head.

On the display the selection of either impulses or percentage can be shown. The measuring unit provides a measurement respective relay output.



The graphic shows a possible trend of a dynamic measurement monitoring



Overview application foam detection

The aquasant® mipromex® MLS contains outstanding new features in the dynamic measurement processing for foam detection.

- Dynamic measurement processing
- Ready for operation (plug & processing)
- Independent of consistency, product and temperature
- Superior safety
- Self-monitoring
- Fail Safe Management
- SIP / CIP
- FDA conformity
- Short turnaround time
- Cost and time savings
- Increased plant availability

The automated addition of the defoaming agent can be done with the dynamic measurement value processing without the knowledge of the product measuring values, without commissioning and the limit value setting. The proven aquasant measurement signal processing guarantees high functional safety.

You can benefit from our longstanding experience; feel free to ask for a quote at +41 61 935 5000 or angebot@aquasant-mt.com.

