we create solutions

aquasant

LIQUID LEVEL CONTROL UNIT (LLCU)

mipromex®

collecting vessels for filling pharmaceutical ampoules in the sterile area

forerun supervised

The mipromex® Type MLT LLCU level transmitter with rod probe in a glass or steel receiver vessel monitors the level and regulates the level. The probe technology of aquasant® with the three-dimensional measured value behaviour enables a very high resolution. With the advantage of the automatic 100% adjustment during initial filling or the selection of seven stored product measured values with indication of the product name in the display. The customized probe design, combined with the impedance measuring principle, guarantees a reliable measurement of your products.

- You work with liquids of different consistency, electrical conductivity and dielectric properties.
- You want:
  - no time-consuming parameterization when changing products
  - the certainty that the product feed to the filling machine is guaranteed
  - increase plant efficiency

The collection vessel under control

- Level control by limit value, two-point control or continuous level control
- Fully automatic system without adjustment when changing products
- Product selection via external rotary switch with product name in display
- Automatic probe calibration at mains on
- Compact system in V2A housing for use in sterile environments

The solution for safe sterile filling

The changing high requirements in sterile filling of vial and ampoule filling machines require new, innovative measuring technologies.

Foam formation can lead to exhaust air lines clogging up with the filters or product supply lines being contaminated with air bubbles, disrupting processes. The aquasant® system enables efficient operation in the pharmaceutical, food and agricultural industries.

The high-resolution impedance measurement combined with the automatic product adjustment via filling curve of the mipromex® type MLT allows product changes in multi-purpose systems without renewed parameterization. The FDA-compliant probe design allows sterilization or autoclaving of the probe. The aquasant® system also allows versions with separate measuring electronics. The self-monitoring aquasant® evaluation device mipromex® MLT guarantees a safe control in the receiver.

Description

The level control system with the mipromex® type MLT processes the digital measuring signal transmitted by the measuring electronics MTI.

The intrinsically safe power supply is provided via a shielded two-wire cable to the measuring electronics in the connection head.

Volume, height or percentage values as well as impulses are optionally shown on the display. An analog output corresponding to the measured value is available as the output signal. The control unit is designed as a 2-point controller. The working volume can be freely parameterized. The limit value output of the mipromex® controls the pneumatic valves for the hose pinch valves SQV of the product inlet.

Overview of applications mipromex® type MLT

The aquasant® mipromex® MLT has excellent innovations for automatic product adjustment during fluid change for the operating personnel.

- Automatic 100% adjustment via filling curve or selection of 7 stored measured product values with product name
- Automatic 0-point adjustment of the probes
- Ready for operation ex works (Plug & Process)
- Independent of consistency, product and temperature
- High security
- Self-monitoring
- Fail-safe Management
- SIP / CIP
- FDA compliant
- Short service life of the system
- Cost and time saving
- Higher plant availability

The reliable detection of different media can be carried out with the automatic 100% adjustment without knowledge of product measured values, without commissioning and without setting limit values. The proven aquasant® measuring signal processing guarantees a very high functional reliability.

Benefit from our many years of experience and request an offer by calling +41 61 935 5000 or angebot@aquasant-mt.com.

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