FOR MERCERIZING PROCESS

NaOH METER Ⅳ

REALIZATION OF HIGHLY ACCURATE REGULATION OF CONCENTRATION WITHOUT BEING AFFECTED BY FOAM AND FLUFF.
WET ON WET PROCESSING IS POSSIBLE

【Features】

Adoption of special optical density sensor
Since the refractive index of the solution is measured continuously,
It is responsive and has no time lag.

High accuracy and reliability
Not affected by bubbles or fluff.
No special maintenance is required.

Wide range of concentration measurement is possible.
The NaOH concentration from 0 to 42 ° Be' can be measured.

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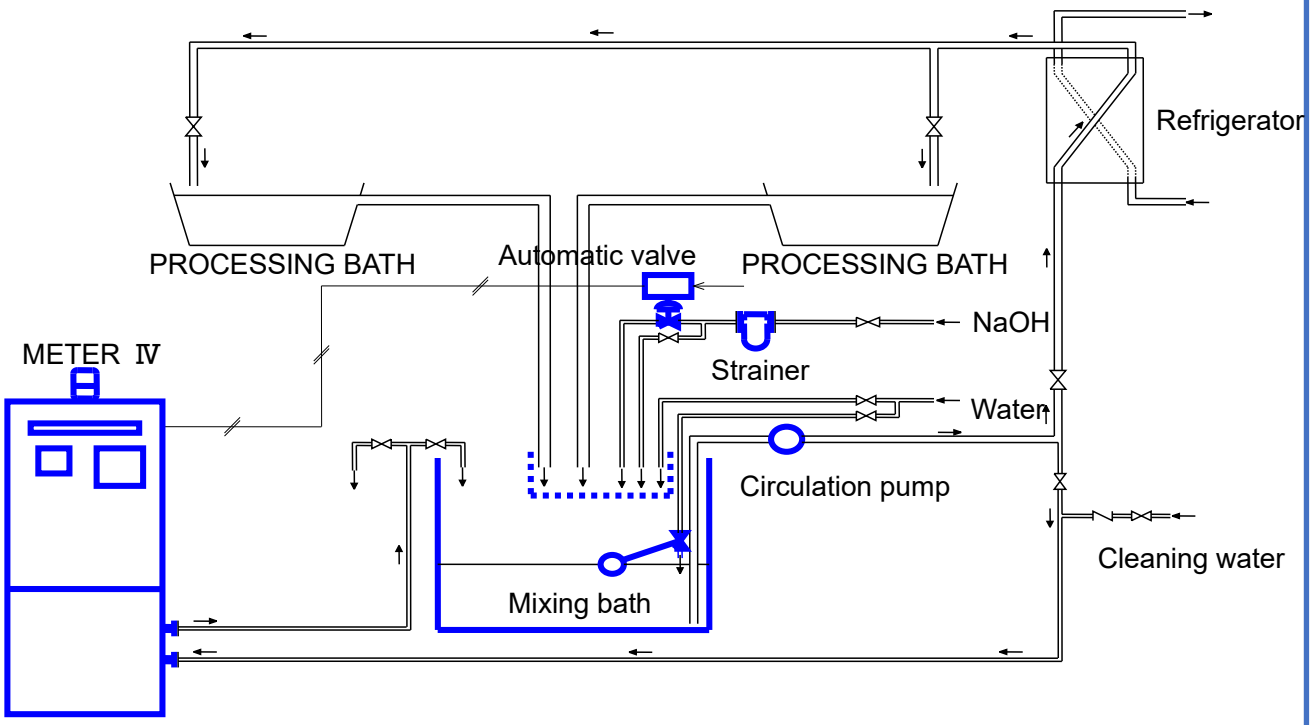
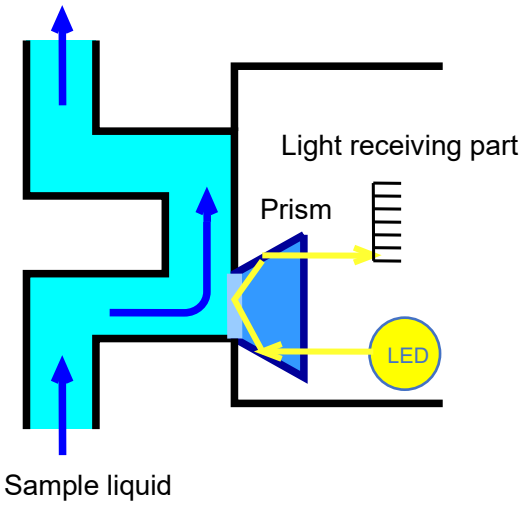
METER Ⅳ FLOW SAMPLE





【SENSOR IMAGE】

Measurement principle

It is a method to measure "refractive index" which is one of the physical property constants of a substance. "Refractive index" has a very high correlation with the density, specific gravity, viscosity, concentration of solution, etc. of a substance. Using this correlation, the refractive index of the sampling liquid flowing in the pipe is continuously measured by a sensor placed in the middle. The responsiveness to changes in flow rate makes the measurement perfectly follow changes in concentration. In addition, bubbles and fluff pass with the fluid, so they do not affect the measured value at all. The measuring part is always in contact with the fluid and is kept clean. Furthermore, when converting the measurement result of the sensor to the concentration, the temperature is automatically corrected and the correct concentration is always displayed, which is a method that covers all the drawbacks of the specific gravity type.