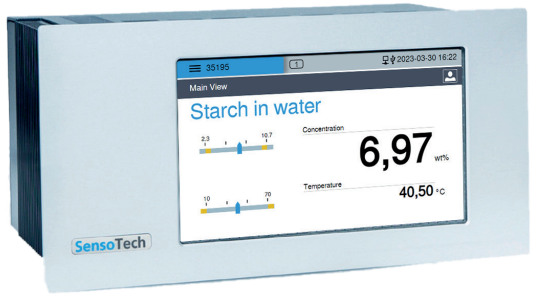
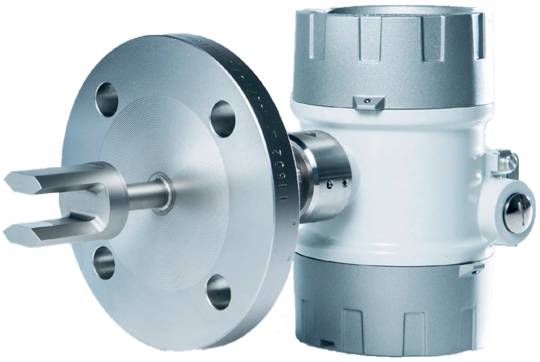
Optimization Starch measurement

Increase cost savings and productivity with reliable concentration measurement of starch in the sizing process





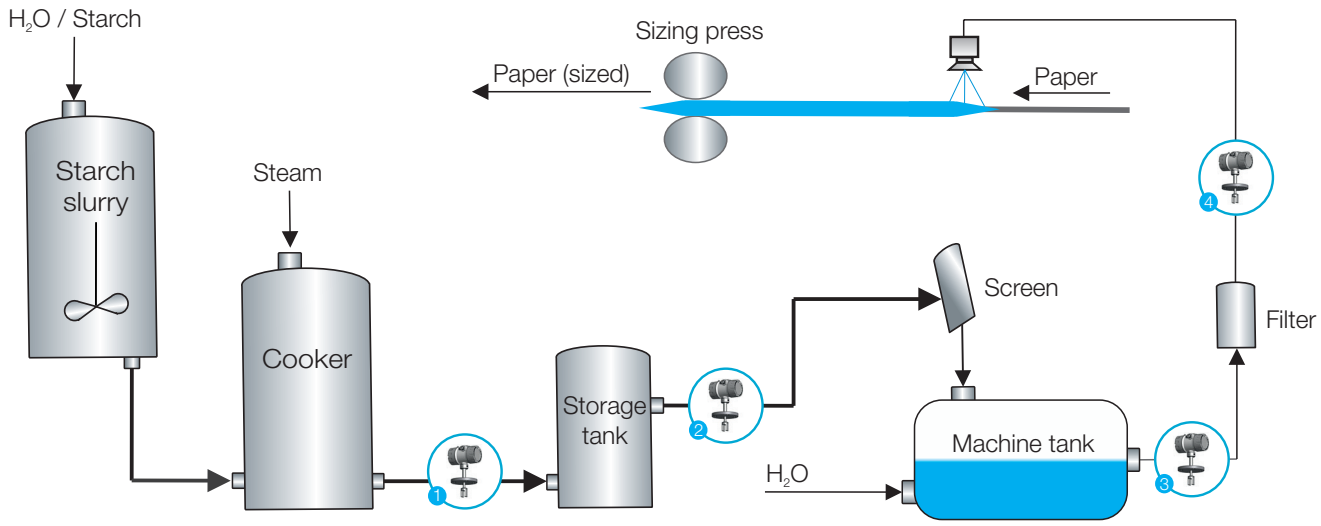
Wheat -, Corn-, Potato starch and others

Plug & Play System

no additional cleaning necessary

Measurement accuracy ± 0,05 %

Without additional cleaning steps, LiquiSonic® ensures precise analysis and monitoring of starch concentration with an accuracy of ± 0.05 % by ultrasonic measurements. The robust plug & play LiquiSonic® sensor design ensures a long system lifetime and reduces time-consuming laboratory measurements.

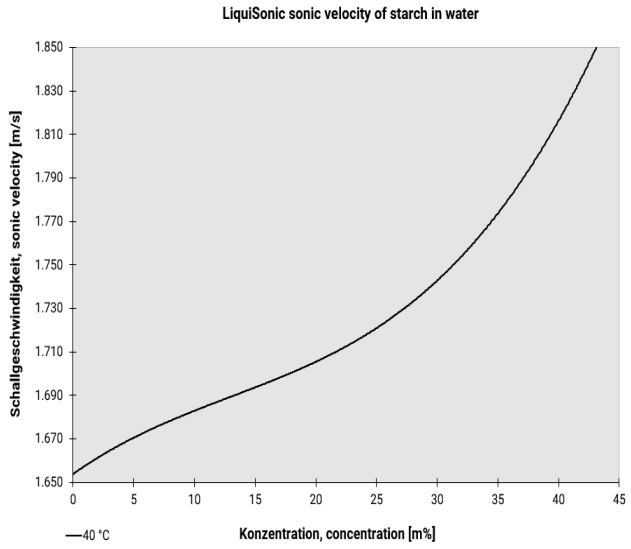


1 - Process monitoring after cooking starch
2 - Measurement of starch concentration
3 - Measurement of dilutet starch concentration
4 - Process monitoring sizing

Advantages of our measurement method

Clean-free and precise process monitoring in paper production with the LiquiSonic® Plug & Play System

LiquiSonic® sonic velocity measurement in strength

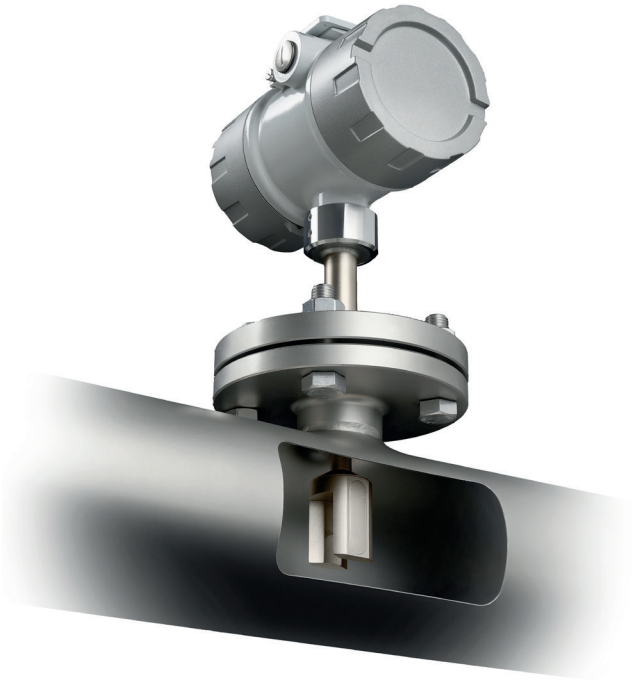


Exact and cleaning-free concentration measurement

Sizing is a critical process point in papermaking, where desired properties such as tear strength and dry strength are given to the paper. This makes process monitoring particularly important in order to make the most efficient use of increasingly expensive resources. Our system is delivered as plug & play, so that an easy and fast start-up is guaranteed. Compared to other measuring systems, it provides a clear signal at any time in the concentration range of 0 - 40 % without additional cleaning steps. Due to the permanent data logging of our long-life LiquiSonic® sensors, time-consuming laboratory evaluations can be avoided and accuracies of ± 0.05 % can be achieved to guarantee optimal process conditions at any time.

Plug & Play installation system

Our LiquiSonic® immersion sensor is the perfect solution for precise measurement of starch concentration in pipe systems. Thanks to our Plug & Play system, the sensor can be installed directly into your existing pipe systems without any complex conversion measures. The LiquiSonic® Controller 30 allows the connection of up to four sensors, which enables permanent monitoring of the starch concentration at several critical points with only one controller. Thus, changes can be reacted to quickly. The typical concentration range of 0 - 40 % as well as the classical process temperatures in the range of 20 - 60 °C can be perfectly measured by our LiquiSonic® immersion sensor. Furthermore, our system is suitable for a wide range of starch types such as wheat starch, potato starch, corn starch and modified starch.



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