

BM - Flow MR

Flow measurement and regulation



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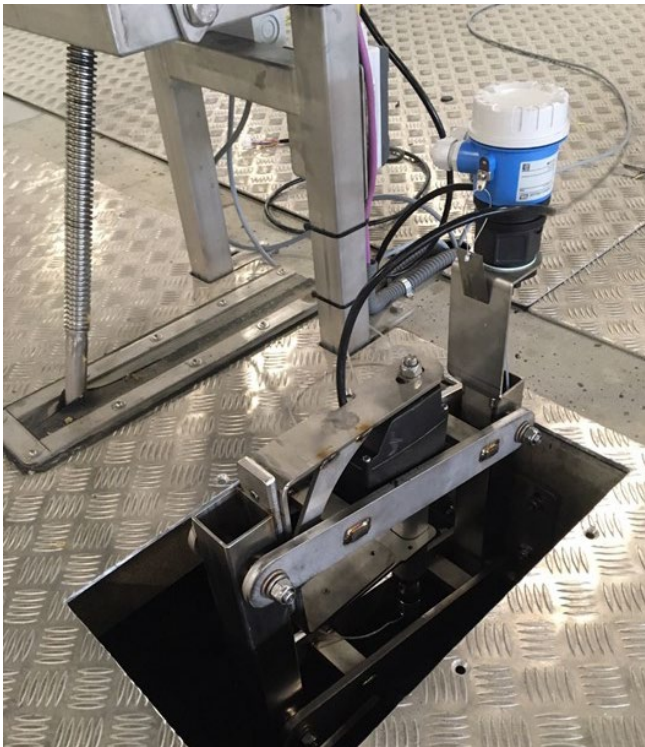
BM - Flow MR: Flow measurement and regulation

Many treatment plants have major challenges in ensuring a uniform or regulated influx flow to their process tanks, with reduced cleaning functions and increased energy costs as a result, the flow to process tanks is completely dependent on the design of the inflow channel and the current flow. These conditions can be eliminated by using the newly developed BM-Flow MR.

BioMizing offers with the newly developed **BM-Flow MR** system a very accurate level measurement as well as subsequent flow regulation over tilting (adjustable overflow edges).

The system consists of a specially designed scissor system that follows the movements of the adjustable leading edge, and an attached actuator that measures the "water curtain" (the difference between the water level and the water edge) with millimeter accuracy. Using a calculation, the exact flow can be measured. The measurements dictate leading edge movements (position adjustment) and thus the current water level.

As an **option**, the scissor system can be equipped with measuring equipment to read the movements of the adjustable leading edge (the level).



The pictures show the installation and adjustment of BM-Flow MR at Hillerrød's new central purification plant, here there is a long inlet channel which distributes the flow to the three process tanks.

Contact us for further technical information.