

OPTIFLUX for corrosive industrial waste water



OPTIFLUX 4300 for measuring industrial waste water

A waste disposal company in Basle, Switzerland uses a KROHNE OPTIFLUX electromagnetic flowmeter for measuring the waste water produced by a chemical company. The company produces a monthly report detailing the amount of waste water to be sent for disposal. The waste disposal company measures the quantities on-site in a switchgear cabinet and then bills the chemical company at the end of the year for the waste it takes away for disposal. One of the problems with chemical waste water is that it contains corrosive substances and water-solvent mixes. The OPTIFLUX is ideal for corrosive applications because it has a resistant PFA liner. Additional features include a full range of diagnostic functions which will also identify changeovers in the media being measured. The OPTIFLUX 's integrated conductivity measurement automatically identifies known mixes. This electromagnetic flowmeter has a measuring range from 0 to 500 liters per minute, a valuable feature given that the flows in this application can vary widely.

OPTIFLUX diagnostics

OPTIFLUX features 3 x 100% diagnostics. In addition to the standard device diagnostics, the OPTIFLUX provides complete application diagnostics, accuracy testing and linearity testing (out-of-spec testing). KROHNE is the first and, so far, the only manufacturer to offer these extra functions. This provides the user with reliable information about instrument condition, measurement quality and operating faults. With its 3 x 100% diagnostics OPTIFLUX offers much greater reliability than SIL2 certified devices and exceeds the requirements of the VDI/VDE/NAMUR-2650 standard.

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