

Application Note

MTG18A MagneW Two-wire PLUS – Perfect for Liquids Containing Calcium



run time of a magnetic flow meter in a tough scaling application from months to years because it resists scaling by providing no foothold for particles to grab hold of.



The Problem:

Measuring flows of liquids containing calcium, which causes build-up on the flow tube walls referred to as scaling, can be a real maintenance headache. Over time, scale build-up will lead to erroneous flow measurements and eventually complete loss of measurement. In the most severe cases this can occur in as little as a few weeks of service. Often times periodic maintenance is required at considerable expense to the user.

Scaling is worst on porous or rougher surfaces. Even standard PTFE or PFA liners commonly found in magnetic flow meters provide enough surface roughness to promote scaling.

The Solution:

Yamatake's patented manufacturing process for PFA liners yields a flow tube with a mirror smooth finish that is up to 15 times smoother than competitive liners. This mirror smooth finish can be found on Yamatake's MagneW Two-wire PLUS flow meters. The MagneW TWP can extend the

Performance and Versatility

Yamatake's MagneW TWP is the most complete loop-powered magnetic flow meter on the market.

Users can select from flanged or wafer* pipe connections in line sizes from 1/10" up to 8" in diameter. Both integral and remote electronics are available to provide greater flexibility in mounting. FM/CSA Class I, Division 1 Approval is also available for use in hazardous locations.

Contact your local Yamatake Rep or call us at 1-888-2MAGNEW. To find your local representative visit our website at www.yainc.net.

NOTE: When applying the MagneW TWP PLUS to slurry applications the solids content is recommend to be 3% or less for best performance.

* Wafer available in 1", 1½", 2", 2½", 3" and 4" line sizes.