The AVIMAG™ is a hot tap full profile electromagnetic averaging insertion flow meter. Multiple electrodes placed across the entire sensor body at equal area, measure and report the average flow rate over the full diameter of the pipe. The specific design of the multi-electrode sensor compensates for variable flow profiles, including swirl and turbulent condition.

The AVIMAG™ can be installed without shutting down, emptying or cutting the pipe (hot tap installation). It does not require welding flanges and installation can be done in pressurized pipelines up to 16 bar.

Cost of installation is largely reduced by eliminating the need for heavy equipment (cranes, etc.) or extensive manpower. The AVIMAG™ is the most economical flow metering solution for medium and large pipe sensor sizes, reducing drastically installation costs.

The AVIMAG™ fits in confined spaces, can be submerged and offers complete accessibility. It can be removed in pipes under pressure for easy inspection, cleaning, calibrating or verification. It is particularly cost effective for retrofit application.

The AVIMAG™ comes in 2 different sizes in order to be used with 1.5” or 2” ball valves. The 1.5” AVIMAG™ is available for pipe sizes ranging from DN100 up to DN1500. The 2” AVIMAG™ is available for pipe sizes ranging from DN500 up to DN2500.

For larger pipe sizes, please contact FLOW-TRONIC.
Technical Specifications

Operating conditions
Fluid
Min. conductivity
Flow direction
Operating pressure
Operating temp.
Fluid temp. limits
Protection rate

Drinking water or raw water
5 µmho/cm
Forward flow (backward flow detection possible)
Max. 16 bar
-20°C to +60°C
-10°C (not freezing) to +60°C at 16 bar
IP68 (sensor is submersible)

Certifications
CE, WRAS (pending)

Specifications are subject to change without notice
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www.flow-tronic.com