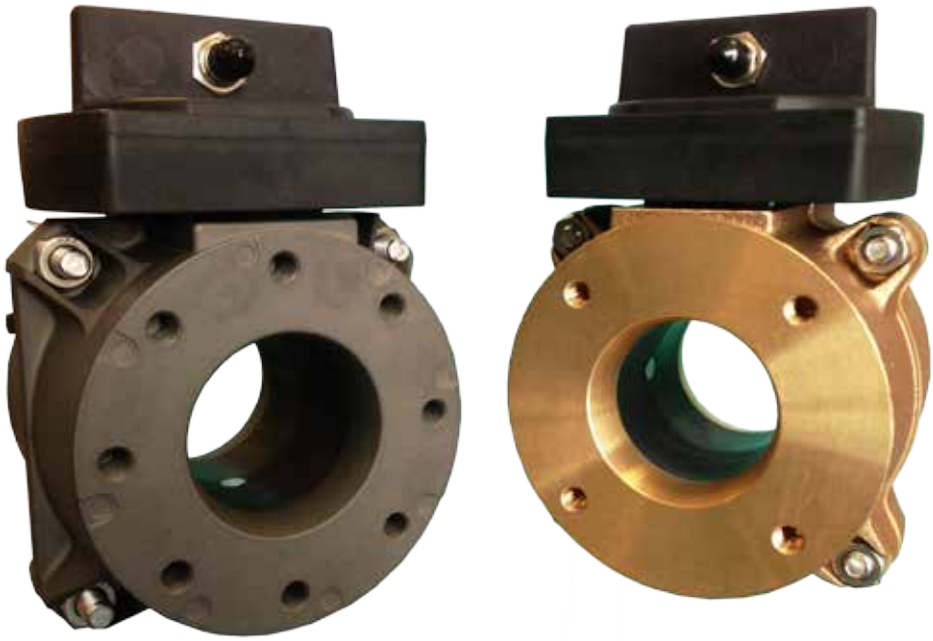
TSI Flowmeters

For safer and more effective firefighting

A TSI Flowmeter is the essential addition to modern firefighting. A flow-based approach to tactical firefighting provides you with immediate, accurate, and easy to understand water usage information. It's the flow that extinguishes fire, not the pressure. Flow is essential fire ground information.

Essential technology for enhancing firefighter safety

A TSI Electromagnetic Flowmeter will remove all fire ground assumptions about water supplies and water usage.
Our unique technology provides constant, accurate information over a wide range of flow (30-5000LPM) on a clear and easy to read digital display.



A unique digital sensor

- Marine grade aluminium or bronze
- Electromagnetic principle – stainless steel electrodes
- No moving parts
- Nothing in water stream
- Can be installed directly onto pump manifold and high pressure hose reels

More reliable and long lasting

With no moving parts the Flowmeter is more reliable and has a longer lifespan than any other product on the market. Unlike mechanical paddle meter designs, it can't be damaged by debris in the pipe or turbulent water. It never gives ghost readings so your firefighters can have total confidence in the flow information at all times.

TSI has been supplying the UK fire service with innovative technology solutions since 1993.

Fully compatible with any system

Our electromagnetic Flowmeter is CanBus enabled for integration with any vehicle system. It can be linked to bespoke, integrated display screens and pump controllers to meet your specific needs.

The CanBus and gsm functionality allows remote access for real time use such as Gold Command, or for review purposes including debriefing and fleet management.

How you will benefit

Quite simply, a TSI electromagnetic Flowmeter makes everyone's job that little bit easier.

Firefighters

You can set the most effective flow rate to match your desired fire fighting tactics. Breathing apparatus wearers and branch operators can always be certain they're using the correct flow rate for safety.

Pump Operators

Water management is easier because the flow at the pump is the same as the flow at the branch. There is no need to estimate frictional loss or worry about inaccurate readings and ghost readings. You can identify faults and blockages immediately.

Incident Command

You can base your tactical decisions on accurate, real time information.

Strategic Command

The capacity for remote access to information helps cooperation in relation to water supplies and environmental protection.

Training

The flow based approach is quick to learn and easy to use. And it provides information to help you review and improve your firefighting tactics.

Fleet Management

It's easy to install. With no moving parts, it has a long accurate life and requires minimal maintenance. It integrates with all vehicle systems and it supplies useful downloadable information.

Improved safety

High Pressure outlet electromagnetic flowmeters

Ensures breathing apparatus wearers are guaranteed the correct flow rates for the tactic being deployed on every occasion – NO assumptions required!

Low Pressure outlet electromagnetic flowmeters

Ensures that each branch/monitor is provided with the correct flow rate no matter where it is – NO calculations required!

Inlet Valve (Hydrant to Tank)

Ensures real-time, accurate information about water availability at the scene is known – NO guess work required!

Providing accurate water usage information when lives depend on it

CanBus

CanBus Single Readout

Pump Controller
Flow readings on pump controller

Remote View of Water Usage

RS 485

LCD Readout
Digital LCD display gauge

Key Technical Information:

Electromagnetic principle: No moving parts.
Accuracy: ±2%.
Range: 30 – 3,000 LPM
Pressure rating: 55 bar
Interfaces: CanBus or RS485
Display gauge: LCD and/or signal to pump controller
Adaptors: Installs directly into LP and HP lines

For detailed technical information visit http://www.tsi.ie/products/fire-appliance/

For a video of the meter in use visit: http://www.tsi.ie/videos/appliance-videos/

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