

# Flow Measurement AquaMaster UL Approved Fire Service Meter

Measurement made easy

The premier solution for fire service applications



## Introduction

Throughout North America, most commercial properties are required to be equipped with fire suppression systems. Many times that requirement is fulfilled with fire sprinkler systems that use water. Most buildings try to utilize their already existing incoming water line to also supply the water for the sprinklers in the event of activation.

However, equipment used for fire service is highly regulated by the insurance providers to protect their investment and insure their workers' safety. Water utilities are installing meters on these water lines to bill for regular water usage as well as the water used during activation of the sprinklers.

To guarantee a meter will meet these requirements, they must be thoroughly tested for large flow ranges, pressure containment and preform throughout a wide temperature range before they are given approval for use as a meter in Fire Service Applications.



## The Perfect Fit

Historically, fire service applications were served with large, heavy mechanical meter systems that consist of a small mechanical meter for the regular (low) flow and a large meter for the fire flow. The switch-over is regulated by a check valve. Since mechanical meters cannot tolerate solids in the flow stream, there has to be a large strainer for the metering system. It is required that the sprinkler system will still operate under full pressure even if the strainer is 75% full. These compound meters are very expensive and maintenance dependent.

# AquaMaster UL approved Fire Service applications

## The Perfect Fit (continued)

The UL approved AquaMaster exceeds the needs of the customer and offers a less costly option with a 75% weight reduction and excellent flow range. The reduced space required becomes a distinct advantage when retrofitting old buildings with fire suppression systems where space is at a premium.

The accuracy of the meter is verifiable through an insitu system. There are also no straight pipe requirements up and downstream of the meter.

## Key features

- Fire Service approved to UL standard 327b
- High measurement accuracy of up to 0.25 % of rate
- Interfaces with many AMR systems
- Tamper proof transmitter and sensor
- Optional on board data logging for flow and pressure
- Battery or 120 VAC power option
- Integral or remote electronics
- Sensor Sizes: 2 inch to 12 inch
- No straight pipe required in front of meter

## Trust a world leader in flow measurement

ABB has been manufacturing flowmeters for over 80 years and is responsible for many of the great innovations in flow measurement. Our flowmeters have a reputation for quality, reliability and accuracy. Plus, they are all backed by a network of service engineers that are available where and when you need them.

Please contact your local ABB representative to learn more about these devices and how easy they can be integrated into your water metering systems.



## Contact Us

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