



flowIQ®
4200

The meter for large commercial
and industrial applications

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The largest meter in Kamstrup's industry leading portfolio of ultrasonic smart metering solutions, the flowIQ 4200 is designed for utilities looking to optimize their operations, reduce water loss, and improve overall efficiency.

The flowIQ 4200 is available in 6", 8", 10", and 12" sizes and is suitable for potable water applications.



Features & Benefits

Accurate and Reliable Measurements

The flowIQ 4200 utilizes ultrasonic technology to measure flow, resulting in a highly accurate, reliable and wide measuring range with low flow measurement capabilities.

Long-Term Stability and Durability

The meter is designed to maintain consistent performance and accuracy over time. It is constructed with high-quality materials and has no moving parts, eliminating the risk of wear and tear or mechanical failures.

Smart Metering Capabilities

The flowIQ 4200 can be seamlessly integrated into both Kamstrup advanced metering infrastructure (AMI) and drive-by (AMR) systems. This enables remote reading, data analysis, and near real-time monitoring, leading to improved operational efficiency and informed decision-making.

Non-Revenue Water Reduction

The meter's high accuracy and low flow sensitivity make it effective in detecting leaks and identifying anomalies in consumption patterns. When used as a tool for early detection and intervention, the flowIQ 4200 helps reduce loss and improve management processes.

Easy Installation and Maintenance

The flowIQ 4200 features a compact design, flexible mounting options, and a user-friendly interface, simplifying the installation process for technicians. Additionally, the meter's advanced diagnostics help identify any potential issues or irregularities.

Data Analysis and Insights

The meter provides valuable data and insights into usage trends, peak demand periods, and customer behavior. This data can be leveraged for demand forecasting, resource planning, and implementing targeted water conservation initiatives.



Field Replaceable Battery

The Kamstrup flowIQ 4200 meter is designed with a field replaceable battery which provides convenience, cost savings, and flexibility for water utilities, making it an attractive choice for efficient and hassle-free metering operations.

Extended Battery Life

The flowIQ 4200 battery is designed to last up to 20 years depending on usage and configuration.

Easy and Quick Replacement

Water utilities or service technicians can replace the battery in the field without special equipment or technical expertise.

Reduced Total Cost of Ownership

The flowIQ 4200 eliminates the need for specialized equipment or additional service visits for battery replacement.

No Need for Meter Removal

The flowIQ 4200 battery can be replaced in place, so that utilities can minimize disruption and reduce the risk of installation errors or damage.

Enhanced Flexibility

The flowIQ 4200's self-contained power supply is valuable in remote or hard-to-access locations where frequent service visits are limited.

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The following includes an overview of features and operating characteristics. For detailed technical documentation, refer to the flowIQ 4200 DataSheet and documentation available at Kamstrup.com.

Features

flowIQ 4200

Applications

Potable Water
Fire Service (Coming Soon)
Reclaimed (Coming Soon)

Sizes

6" | 8" | 10" | 12"

Remote Reading

Integrated AMR/AMI
Encoded Output (Coming Soon)

Intelligent Alarms

- Tamper
- Dry
- Reverse flow
- Low battery

Battery lifetime

Up to 20 years with field replaceable battery

Operating Characteristics

Meter Size	Start flow	Max flow	Min flow	Transition flow ¹	Pressure loss SMOC ²	Connection on meter	Lay length	Split flanges weight	Total weight
Inches	GPM m ³ /h	GPM m ³ /h	GPM m ³ /h	GPM m ³ /h	PSI m ² /h	Inches mm	Inches mm	lbs kg	lbs kg
6"	1.4 0.32	1400 318	2.8 0.64	5 1.14	4.2 28,958	6" 152	18" 457	31 14	60 27
8"	1.7 0.39	2800 636	4 0.91	7 1.59	3.9 26,890	8" 203	20" 508	42 19	86 39
10"	2 0.45	4500 1,022	5 1.14	8 1.82	4.2 28,958	10" 254	17.7" 450	64 29	134 61
12"	2.3 0.52	5500 1,249	6 1.36	10 2.27	2.8 19,305	12" 305	19.7" 500	84 38	185 84

¹ At flows between 'Start flow' and 'Maximum flow', measurement occurs - however the accuracy is only guaranteed in the range from minimum flow to maximum flow.

² SMOC = Safety Maximum Operating Capacity (pressure).

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