

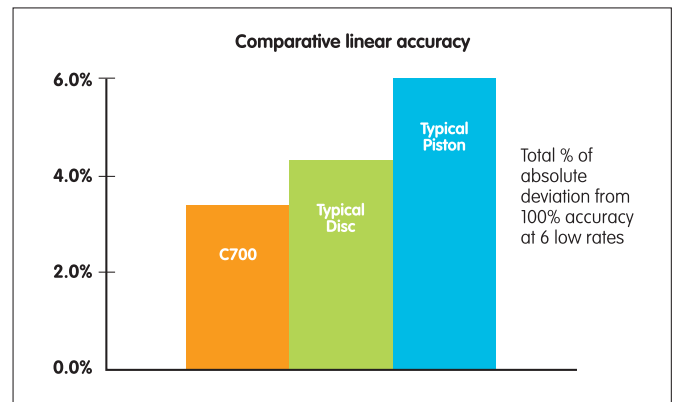
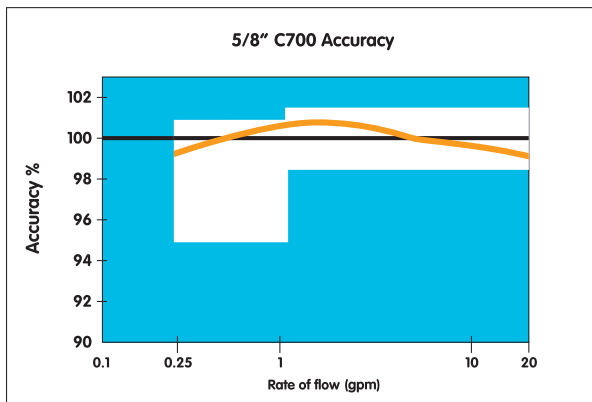
C700

Positive Displacement
Bronze Body Water Meters



C700: Quality from the inside out

The C700 incorporates the latest in materials science, fluid design and modeling technologies. The C700's design innovations are leading edge in accurate water measurement. Generating the optimum measurement performance you demand from a positive displacement meter, producing increased revenue, longer meter life and reduced maintenance cost.



1 Multiple Lid Designs

Two lid versions are available, offering a lid for encoder registers as well as direct read registers. Lids protect register lenses from debris build-up, simplifying visual reading when required.

2 Full Swing Lid

Hinge allows lid to open 225° for maximum reading convenience.

3 Permanent Register Sealing

Proven copper can, (or stainless steel), tempered glass lens and rubber gasket sealing prevents moisture penetration.

4 Housing & Lid Options

Streamlined-profile register housing and lid are available in waterworks bronze or engineered polymer.

5 Improved Tamper Resistance

Inconspicuous tamper-resistant plug improves security.

6 Straight-Through Body Design

The water flow pattern is free from meter body obstructions, reducing pressure loss.

7 Bronze Material Options

C700 meters are available in a choice of traditional waterworks or low-lead bronze. Low-lead bronze bodies are NSF-61 certified and meet the lead-free requirements of California Proposition 65.

8 Dual Inlet-Outlet Porting

A balanced flow stream reduces wear and lowers pressure loss while maximizing accuracy at all flows.

9 Advanced Piston Design

Optimized diameter to height ratio provides the absolute lowest starting flow. Increased torque allows for improved linear accuracy over the entire flow range, maximizing revenue.

10 Eccentric Drive™

The piston drive is mounted off-center on the piston and captive to the magnetic drive bar to provide smooth operation and reduced noise. All wear prone areas (such as thrust bearings) are strategically located and made of loaded nylon to virtually eliminate wear.

11 Grooved Piston™

A technological breakthrough uses shaped, vertical grooves to create a Turbulence Seal™. This unique feature actually uses the water flow to create turbulence to prevent water from bypassing the piston, thus improving measurement accuracy.

12 Contoured Division Plate

Division plate design helps to smooth and quiet piston rotations.

13 Phased Porting™

Slightly offset top and bottom inlet ports allow the water flow to smoothly move the piston, eliminating erratic piston movement and reducing noise.

14 Self-Clearing Chamber

A sediment well is located in the chamber floor to provide a self-cleaning cavity for debris.

15 Easily Removable Strainer

Strainer fits snugly into a body recess to provide a more effective straining area, at minimum 3-1/2 times the meter inlet.

16 Corrosion Protection

The 5/8" - 1" C700 meters are provided with stainless steel bolts with integral washers and full rubber bottom plate liners for isolation of the bottom plate from potable water.

17 Choice of Bottom Plates

Meter are available with a choice of polymer, traditional waterworks or low-lead bronze bottom plates for warm environments as well as cast iron bottom plates for frost protection in colder climates.



Choice of reading systems

C700 meters are available with the entire spectrum of reading technologies available today, giving utilities the choice of technology to match their operations. The InVISION™ absolute encoder allows remote electronic reading from a convenient wall- or pit lid-mounted reading pad, to lower reading cost and increase accuracy compared to visual reading. Both encoder and digital registers interface to transmitters for evolution™ AMR and other AMI/AMR systems. The residential C700's bottom-loaded design simplifies register replacement, reducing utility costs to upgrade AMI/AMR technologies.



About Elster AMCO Water, Inc.

Located in Ocala, Florida, Elster AMCO Water is part of Elster, the world's largest metering and smart metering system solution company. Elster AMCO Water is an industry leader in the development and implementation of innovative metering and system solutions and is committed to delivering superior customer service, quality products, solutions and services to the water utility industry.

About Elster Group

Elster has delivered over 1.5 million smart metering devices worldwide with systems located in North America, Central America, Europe, Australia, New Zealand and the Caribbean. Elster smart metering systems allow utilities to implement energy conservation measures, demand response programs, smart grid initiatives, and smart home solutions as well as achieve operational efficiencies resulting in significant value creation across the utility enterprise. Elster has over 7,500 staff and operations in 38 countries, focused in North and South America, Europe, and Asia.

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The policy of Elster AMCO Water, LLC. is one of continuous improvement and the right is reserved to modify the specifications without notice.

Lit Ref: QBD-003/05-11