



Available in sizes 3", 4", 6", and 8"

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The Octave High Flow brings the latest in ultrasonic metering technology to Master Meter's Ultrasonic product family. The Octave High Flow is designed for service applications where high volume and flow rates are required that exceed our standard product line.

Technical Specifications:

Working Pressure - 175 PSI

Liquid Temperature - 33° - 122 °F

Metrological Characteristics - Meets ANSI/AWWA Standards C715- 18 Type II, C750-19, ISO 4064 rev. 2014

Configuration - Compact-Display built into unit

Power Source - 2 x D Size Lithium Thionyl Chloride batteries - 10 year warranted life time

Environmental Protection - NEMA 6P+ (IP68+), Ambient operation temp. - 13 °F / +131 °F for the display

Display Units - Multi line 12 digit LCD (Programmable USG, Cubic Feet, Cubic Meters, Acre Feet for volume and GPM, Lt/s, or M³/h for rate of flow)

Output - Programmable Encoder, Pulse, 4-20, or Modbus; Optional dual output available in encoder + pulse

Features & Benefits:

- Grade 316 Stainless Steel body design provides full compliance with ANSI/NSF 372 (AB1953 or NSF61G).
- No moving parts. Minimal flow intrusion. Enduring accuracy.
- Compact ISO Lay Length with AWWA Floating Flanges
- No required strainer.
- Wide beam ultrasonic measurement sensors for high accuracy and reliable operation.
- Industry standard communication protocol for integration with most third-party AMR/AMI systems.
- Active leak, burst, reverse flow, empty pipe, measurement failure, and low battery. LCD also displays rate of flow and water temperature.
- Ruggedized NEMA 6P/IP-68+ construction; fully submersible design.
- Designed to meet standards for both North American and International C&I water meters.
- Optional flow measurements; Forward Only, Net Volume or Alternating Display (Forward and Reverse Consumption displayed separately).

Product Comparison - Octave High Flow next to a Standard AWWA Octave



Octave High Flow



Standard Octave



Octave High Flow



Standard Octave

Performance Data & Dimensions

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Octave Operating Characteristics and Dimensions	4" (100 mm)	6" (150 mm)	8" (200 mm)
Safe Maximum Operating Capacity	1,100 GPM (250 m³/h)	2,800 GPM (636 m³/h)	4,500 GPM (1,022 m³/h)
Normal Operating Range (98.5% - 101.5% Accuracy)*	18 - 1,100 GPM (4 - 250 m³/h)	30 - 2,800 GPM (6.8 - 636 m³/h)	40 - 4,500 GPM (9.1 - 1,022 m³/h)
Extended Low Flow (95% - 105% Accuracy)*	4.5 GPM (1 m³/h)	11 GPM (2.5 m³/h)	18 GPM (4 m³/h)
Length	9.8" (250 mm)	11.8" (300 mm)	13.8" (350 mm)
Width	9" (229 mm)	11" (280 mm)	13-1/2" (343 mm)
Height	9-7/8" (250 mm)	10-7/8" (276 mm)	12-7/8" (327 mm)
Height from Center Pipe	4-1/2" (115 mm)	5-1/8" (130 mm)	6-3/8" (162 mm)
Weight	35 lbs (16 kg)	51 lbs (23 kg)	78 lbs (35 kg)

* In the water temperature of 45° to 85° F (7° to 30° C), meter consumption is accurately measured at:

- +/- 1.5% in the Normal Operating Range
- +/- 5% in the Extended Low Flow

