



Available in sizes 2", 3", 4", 6", and 8"
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Octave brings the latest in ultrasonic metering technology to Commercial/Industrial (C&I) water meters and puts precise measurement where the real flows exist. An excellent alternative to mechanical compound, single-jet, floating ball, fire-service type and turbine meters, Octave excels at maintaining sustained accuracy for the life of the meter while providing smart AMR capabilities.

Technical Specifications:

Working Pressure - 175 PSI

Liquid Temperature - 33° - 122 °F

Metrological Characteristics - Meets ANSI/AWWA Standards C715-18, 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:

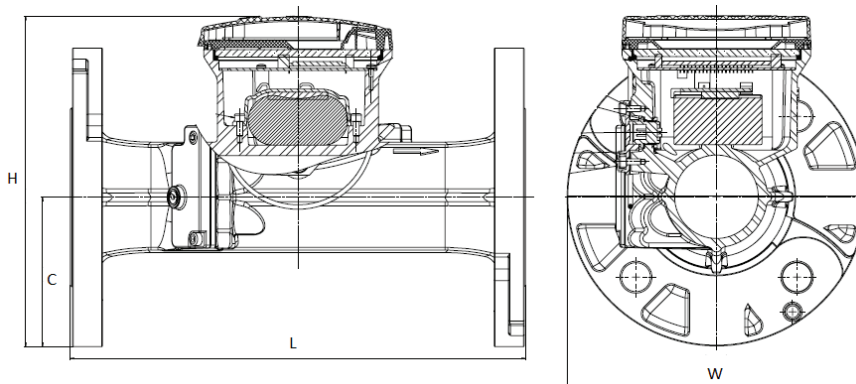
- Grade 316 Stainless Steel (2"-8") body design provides full compliance with ANSI/NSF 372 (AB1953 or NSF61G).
- No moving parts. Minimal flow intrusion. Enduring accuracy.
- Easy to install Floating Flanges (2"-8").
- No required strainer.
- Wide beam ultrasonic measurement sensors for high accuracy 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).

Performance Data & Dimensions

Operating Characteristics and Dimensions	2" x 10" (50 mm)	2" x 17" (50 mm)	3" (80 mm)	4" (100 mm)	6" (150 mm)	8" (200 mm)
Safe Maximum Operating Capacity	250 GPM (57 m³/h)	250 GPM (57 m³/h)	500 GPM (114 m³/h)	1,000 GPM (227 m³/h)	1,600 GPM (363 m³/h)	2,800 GPM (636 m³/h)
Normal Operating Range (98.5% - 101.5% Accuracy)*	0.50 - 250 GPM (0.11 - 57 m³/h)	0.50 - 250 GPM (0.11 - 57 m³/h)	1 - 500 GPM (0.23 - 114 m³/h)	1.5 - 1,000 GPM (0.34 - 227 m³/h)	3 - 1,600 GPM (0.68 - 363 m³/h)	5 - 2,800 GPM (1.5 - 636 m³/h)
Extended Low Flow (95% - 105% Accuracy)*	0.25 GPM (0.06 m³/h)	0.25 GPM (0.06 m³/h)	0.5 GPM (0.11 m³/h)	0.75 GPM (0.17 m³/h)	2 GPM (0.45 m³/h)	4 GPM (0.9 m³/h)
Length	10" (250 mm)	17" (432 mm)	12" (305 mm)	14" (356 mm)	18" (457 mm)	20" (508 mm)
Width	5-3/4" (146 mm)	5-3/4" (146 mm)	7-1/2" (190 mm)	9" (229 mm)	11" (280 mm)	13-1/2" (343 mm)
Height	6-3/4" (172 mm)	6-3/4" (172 mm)	8-1/2" (216 mm)	9-7/8" (250 mm)	10-7/8" (276 mm)	12-7/8" (327 mm)
Height from Center Pipe	2-1/8" (54 mm)	2-1/8" (54 mm)	3-1/2" (90 mm)	4-1/2" (115 mm)	5-1/8" (130 mm)	6-3/8" (162 mm)
Weight	15 lbs (7 kg)	24 lbs (11 kg)	23 lbs (10.5 kg)	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



NOTE - For Performance charts please see Engineering Document - Octave | Version 10.17