



ExactSteam™ V-Cone® Flowmeter

Series: EXACT-STEAM
USD Price: Contact McCrometer

Measure More Steam, Reduce Energy Costs with the ExactSteam™ V-Cone®

McCrometer's ExactSteam V-Cone System is a complete flowmeter for steam metering, factory configured for energy metering or mass flow. The meter accurately measures steam across the entire range with technology-leading low flow cut off. In addition, V-Cone technology enables the lowest permanent pressure loss to maximize plant efficiency.

The ExactSteam V-Cone System's innovative design delivers repeatable accuracy of $\pm 0.5\%$ of rate with up to a 50:1 flow range under the most difficult flow conditions. The ExactSteam V-Cone System acts as its own flow conditioner, fully conditioning and mixing the flow prior to measurement. Readings are always precise and reliable, even under changing flow situations.

With this unique ability to self-condition flow, the ExactSteam V-Cone System virtually eliminates the need for upstream or downstream straight pipe runs. Thus, the ExactSteam V-Cone System can be installed nearly anywhere in a piping system or easily retrofit into an existing piping layout, resulting in significant installation flexibility and cost savings. In addition, the ExactSteam V-Cone System has proven to provide long-term performance with no moving parts to replace or maintain. It's easy to reduce maintenance costs with the +25 year lifespan of the ExactSteam V-Cone System's primary element.

V-Cone® is a registered trademark of McCrometer.

- ISO Pressure Equipment Directive (PED)
- NVLAP Accredited Calibration Laboratory: Lab Code 201023-0

Specifications

Accuracy:	$\pm 1\%$ for total system
Body material:	Stainless Steel or Carbon Steel
dP Transmitter:	Housing Material: F30 Aluminum Membrane Material: 316L Enclosure Rating: NEMA 4X/6P, IP66/67 Electrical Connections: NPT1/2 thread
Fitting Type:	Beveled or Raised Face 150# or 300# Flanges
Flow Computer:	Output: 4-20 mA, Isolated Pulse
Installation Requirement:	0-3 diameters upstream, 0-1 diameters downstream
Line size:	2" to 24"
Manifold:	Configuration: 3-Valve

Repeatability:

±0.1% or better

RTD:

Sensor Type: PT-100, thin lm

Range: -58° to 752° F (-50° to 400° C)

Turn down:

Up to 50:1 with stacked configuration or 10:1 with compact