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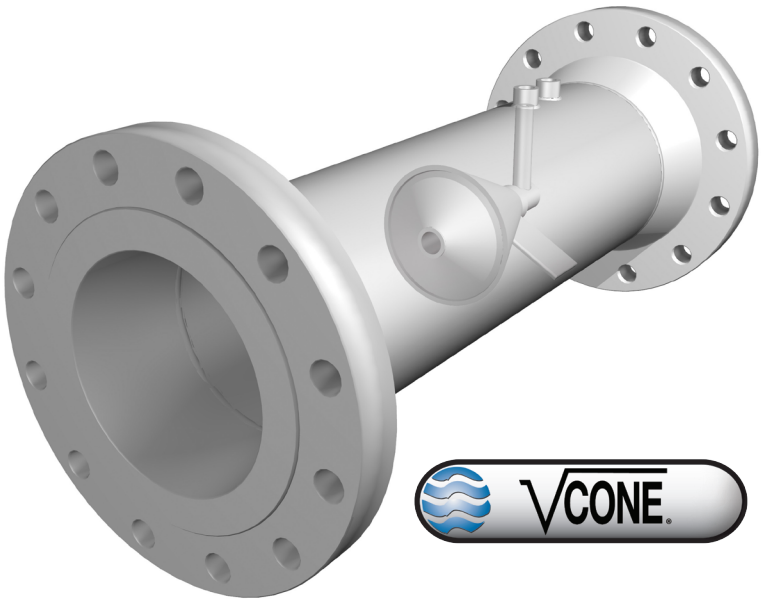
TECHNICAL BRIEF

10 Things You Probably Don't Know About Cone Meters (But Really Should Find Out)



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10 Things You Probably Don't Know About Cone Meters (But Really Should Find Out)

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McCrometer, Inc.

Cone meters have been around for decades, since the mid-1980s. They are frequently confused with other technologies for a number of reasons. You might be surprised to learn:

1. McCrometer, Inc. invented and patented the first successful cone meter, the V-Cone® Flow Meter, in 1985. Today there are over 75,000 McCrometer V-Cone flow meters installed worldwide, and the total number of installed units keeps growing every year.
2. It is common for cone meters to be called a "V-Cone", but V-Cone is actually a registered trademark of McCrometer, Inc., the inventor of the V-Cone flow meter. The generic term for the technology is "cone meter".
3. The "V" in "V-Cone" does not stand for Venturi (Venturi-Cone). The "V" represents the shape of the cone. While based on the same Bernoulli's principle for measurement as the Venturi, the similarities end there.
4. Many people believe cone meters only measure gas. They also measure steam and liquids in many industries: oil/gas, chemical, electric power, food/beverage, HVAC systems, metals and mining, pulp/paper, water and wastewater treatment, and more.
5. V-Cone flow meters have been deployed in the world's highest pressure systems up to 15,000 psi. They are found at ocean depths of 10,000 feet in subsea modules and on satellites in space. They are also robust enough for use aboard US Naval warships.
6. Over 1,000 V-Cone flow meters protect gas compressors from dangerous and damaging high pressure surging flow conditions in an application called, "anti-surge".
7. Gas cone meters aren't always calibrated in gas. To meet customer accuracy requirements, it is estimated that 95% of gas cone meters are calibrated in water.
8. Plant operators are often surprised to learn V-Cone flow meters are installed at their plant. As no regular inspection or maintenance is needed, some admit to not knowing about them because there was never a problem . . . for decades.
9. Independent, third party verification of claims for accuracy, repeatability, and resistance to disturbances is always best. McCrometer was the first manufacturer to have the V-Cone flow meter assessed by a third party and all claims were found to be true.
10. McCrometer is one of only six flow labs in the USA that are accredited to ISO/IEC 17025:2005 through NVLAP, an official signatory to (ILAC) International Laboratory Accreditation Cooperation.

Of course, there is a lot more to learn about cone meters and the pioneering leaders at McCrometer who are the industry experts. Call 800-220-2279 or visit us online at www.mccrometer.com to view our V-Cone Video or locate your local McCrometer sales representative.

Click Here To Learn More
About McCrometer's V-Cone Flow Meter

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