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BURKECALIBRATION.COM

# **McCrometer Wafer Cone Gas Flow Meter**

**Questions? Call us at 780-897-5869 or email [info@burkecalibration.com](mailto:info@burkecalibration.com)**

# ECONOMICAL, NO MAINTENANCE GAS AND LIQUID MEASUREMENT SOLUTION

The flangeless Wafer-Cone® is compact, less costly and easy to install. The cone conditions the flow so the Wafer-Cone requires minimal upstream or downstream pipe runs and can be installed virtually anywhere in a piping system. Ideal for small line sizes and with no moving parts, no replacement parts or scheduled maintenance, this meter offers a low cost of ownership and long life.



Unlike an orifice plate, the Wafer-Cone has no sharp edges so extensive maintenance and inspection are not required.

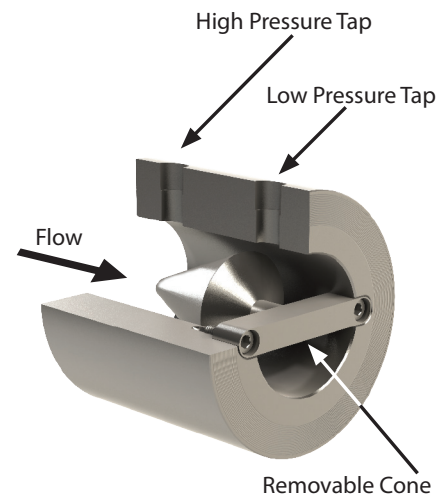
## REMOVABLE CONE

Featuring an interchangeable cone for maximum flexibility to accommodate changing flow conditions without the need for recalibration. When flow conditions change over time, the cone can be removed and replaced with a cone at a different beta ratio eliminating the need to buy a new meter.

## PERFORMANCE SPECIFICATIONS

Accuracy:	±1.0% of rate
Turndown:	10:1
Repeatability:	±0.1%
Line Sizes:	1" to 6"
Standard Beta Ratios:	0.45 through 0.85
Head Loss:	% of dP, varies with beta ratio
Piping Requirements:	1-3 diameters upstream and 1 diameter downstream of the cone

## HOW IT WORKS



The McCrometer Wafer-Cone uses the same proven operating principle as the V-Cone®. It is a differential pressure flow meter with a unique design that conditions the flow prior to measurement. Differential pressure is created by the cone placed in the center of the pipe.

The cone is shaped so that it "flattens" the fluid velocity profile in the pipe, creating a more stable signal across wide flow downturns. Flow rate is calculated by measuring the difference between the pressure upstream of the cone at the meter wall and the pressure downstream of the cone through its center.

[TO LEARN MORE](#)

## INDUSTRIES

- Oil and Gas Production
- District Energy
- Food and Beverage
- Metals and Mining
- Chemical Refining
- Pharmaceuticals
- Water Treatment
- Power



*Wafer-Cone with Direct Mount shown with manifold and transmitter sold separately.*



*Wafer-Cone with Direct Mount option.*



## APPLICATIONS

- Natural Gas Wellheads
- Gas, Water, and Co<sub>2</sub> Injection
- Gas Lift
- Compressor Anti-Surge
- Fuel Gas
- Separator Discharge
- Biogas Reactors
- Cooling Systems
- Plant HVAC
- Process Gas Lines
- And More

## REMOTE OR DIRECT MOUNT

The Wafer-Cone is available with remote or direct mount configuration. The direct mount option minimizes installation labor while ensuring accuracy. Direct mounting the transmitter eliminates impulse lines, which not only lowers installation costs but also reduces potential leak points by more than 50 percent. Simple plug-and-play mounting ensures the meter is installed correctly the first time and eliminates a potential source of flow measurement errors.

