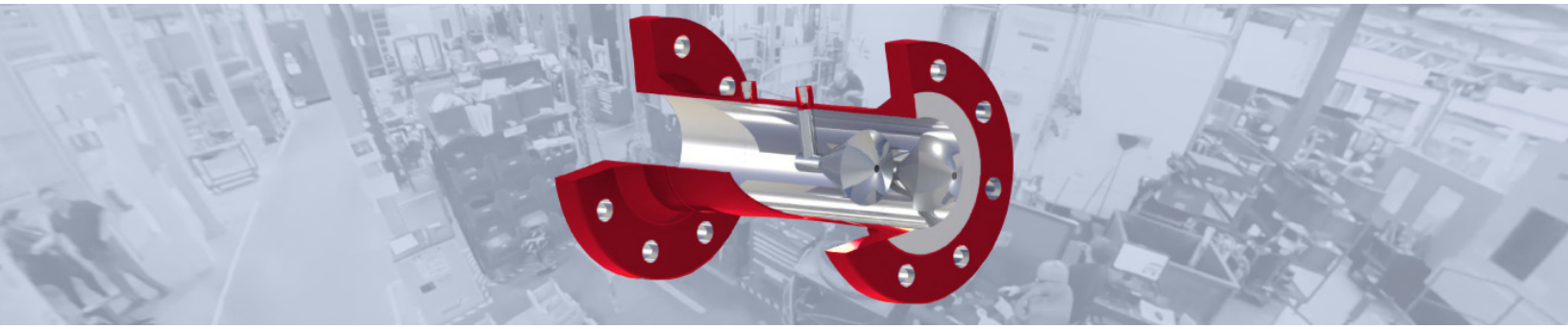
Decades Proven. Field Chosen.™

Differential Pressure Flow Products
Cone Meter



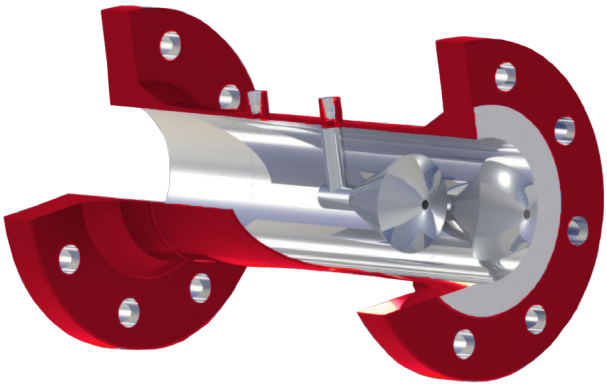
Product Introduction

The Daniel® Cone Meter is a robust differential pressure flow element designed for high accuracy in fluid measurement.

Its innovative cone design conditions the flow profile within the meter, eliminating the need for extensive upstream piping.

This meter provides superior repeatability and precision, making it ideal for challenging applications such as multiphase flow, slurry measurement, and wet gas.

Built with rugged materials, the Cone Meter provides reliable performance with minimal maintenance, ensuring cost efficiency and operational simplicity in demanding environments.



Design Specifications

- **Size Range:**
  2–24 inches; larger sizes available upon request.
- **Pressure Ratings:**
  ANSI 150 to 2500; special configurations available for Series A and B.
- **Beta Ratios:**
  0.4, 0.5, 0.6, 0.7, 0.8 (custom ratios available).
- **Material Options:**
  Stainless steel, duplex alloys, carbon steel, and other materials.
- **End Configurations:**
  Flanged, threaded, beveled, and hub designs.
- **Compliance:**
  CE-PED 2014/68/EU certified.

Product Information

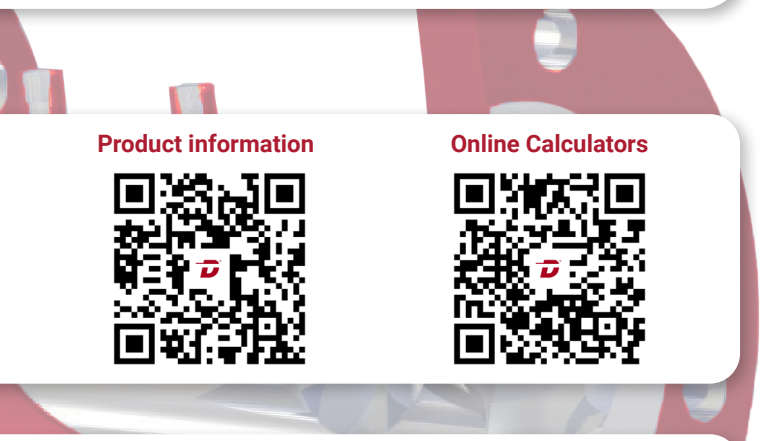
The Cone Meter's flow conditioning cone optimizes flow dynamics, ensuring accurate dierential pressure measurement with minimal straight pipe requirements.

Its compact, all-in-one design simplifies installation and reduces the footprint of flow measurement systems.

With robust construction and broad fluid compatibility, the Cone Meter ensures long-lasting performance in industrial and petrochemical applications.

How Daniel® Solves Your Problems!

Potential Error	Impact on Operations	Solution
Improper Flow Conditioning	Causes measurement inaccuracies.	Cone design eliminates the need for extensive upstream piping.
Material Degradation	Reduces operational lifespan in corrosive environments.	Customizable materials enhance durability and resistance
High Permanent Pressure Loss	Increases energy consumption and operational costs.	Engineered cone geometry minimizes pressure loss.
Incorrect Beta Ratio Selection	Impacts measurement precision.	Adjustable beta ratios ensure optimized performance.
Non-compliance with Standards	Risks operational inefficiency and penalties.	Certified to CE-PED 2014/68/EU for global compliance.



Product information

Online Calculators

Online Store

Daniel® Measurement App

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Typical Applications

- Custody transfer in oil and gas pipelines.
- Flow measurement of multiphase and wet gas systems.
- Measurement of slurries and abrasive fluids.

Application Sites

- Refineries and petrochemical plants.
- Offshore platforms and FPSOs.
- Industrial and wastewater processing facilities.

Features and Benefits

- **Flow Conditioning:**
  Cone design reduces upstream pipe length requirements.
- **High Accuracy:**
  ±0.5% standard accuracy, with repeatability of ±0.1%.
- **Versatile Materials:**
  Built for harsh environments and various fluid types.
- **Compact Design:**
  Minimizes system footprint, lowering installation costs.
- **Low Maintenance:**
  No moving parts ensure durability and reliability.

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With over 90 years of industry experience, Daniel® Measurement and Control is a trusted leader in flow measurement and control solutions.

Our innovative, high-performance products are designed to deliver accuracy, reliability, and efficiency in the most demanding applications.

Backed by a legacy of excellence, Daniel® solutions continue to set the standard for precision and durability, helping customers worldwide achieve operational success with confidence.

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