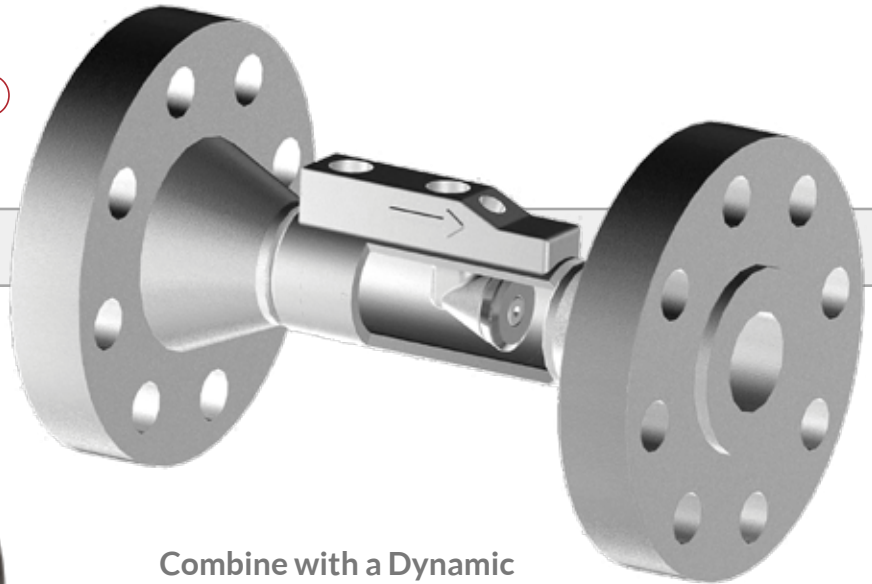


Made to Measure

SmartCone[®]

Smart, Accurate & Easy



Combine with a Dynamic Flow Computer to output:

- Flow Rate
- Total Flow for Actual Conditions
- Standard Base Condition & Customer Defined Base Conditions

Specifications

Applications

Liquid & Gas Measurement
Well Head Measurement
Custody Transfer
Fuel Metering
Wet Gas
Steam & Steam Injection
Test Separators
Compressor Skids
Pipeline

Precision

CNC Machined
Concentric
Positive Sealing
Investment Cast for Precision & Repeatable Surface Finish
Metering Accuracy of up to $\pm 0.5\%$

Repeatability

$\pm 0.1\%$ of Full Scale or Better
Without Stacked DP

Reliability

Built to Last
Sturdy Stainless Steel Construction
Built-in Temperature Port
Optional Downstream Pressure Tap

Flexibility

Wafer or Flange Design
Interchangeable ARC
Standard NPT Ports
Standard Built-in RTD Port
Available up to 1500 ANSI

Interchangeable ARC (Area/Beta Ratio Changer)

Self-Aligning
Self-Centering
Precision Machined from 316SS
Easy Installation & Removal

Rangeability

10:1 Turndown with each ARC
3 Available ARCs per meter line size

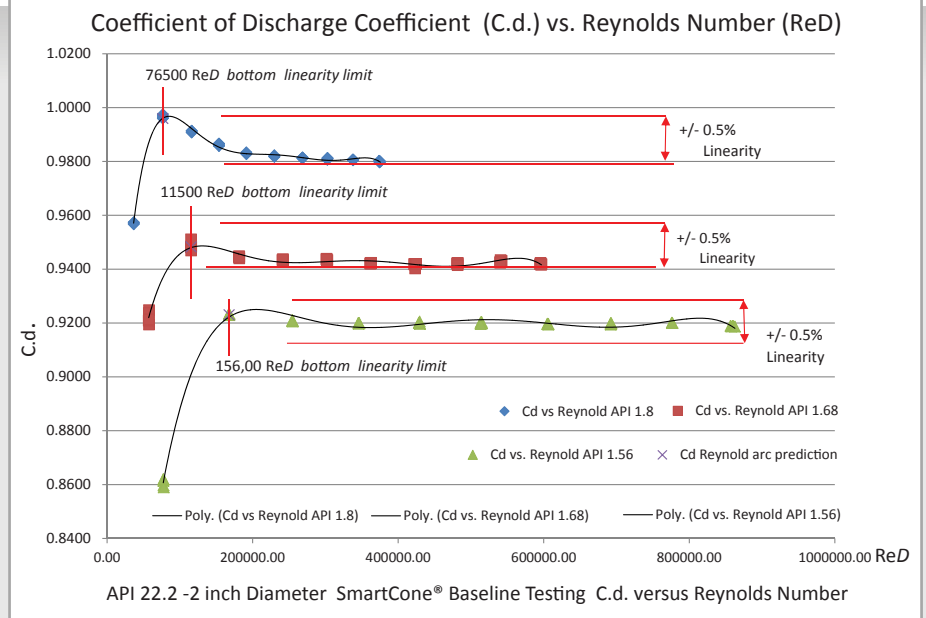
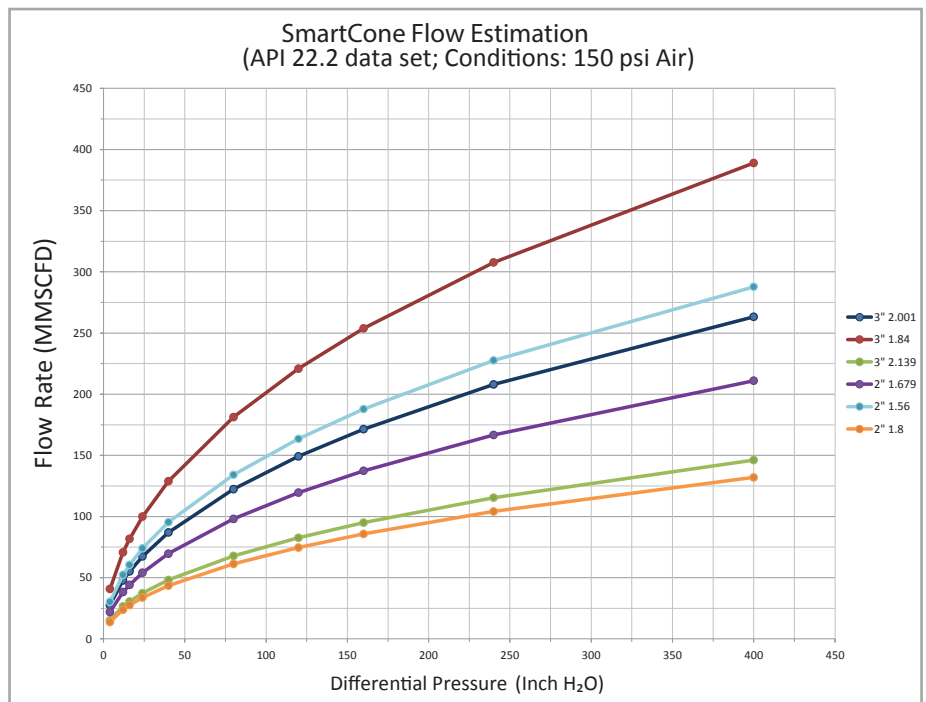
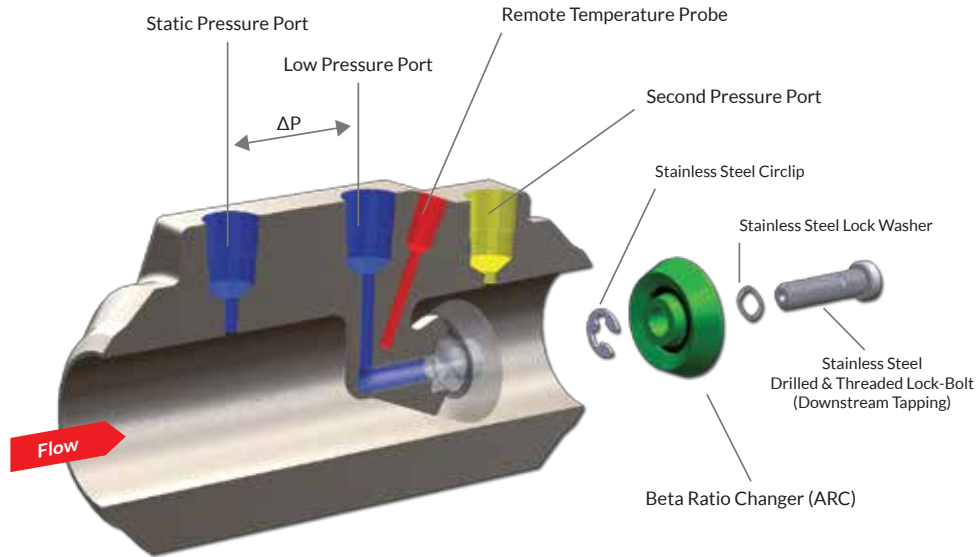


A variety of flow computers, compatible with the SmartCone®, are available at Dynamic Flow Computers. These superlative field devices feature a standard Rosemount® multi-variable transmitter, as well as multi-port connections and various I/O's to suit a variety of flow computing needs.

Dynamic Flow Computers SmartCone® "Variable Area / Beta Ratio" Differential Pressure Cone Meter is a fluid flow meter that uses a measured differential pressure to provide a robust, accurate, repeatable and optimal cost measurement solution for both gas and liquid measurement.

The SmartCone® meter produces a differential pressure which can be read by any standard differential pressure or multi-variable transmitter.

The meter is the first differential pressure cone meter to use artifact calibration techniques similar to orifice plate technology, which is inherent in the design. Each SmartCone® meter has a verifiable geometry between subsequent manufactured devices using accurate and robust machined castings. It features the unique ability to offer a beta or area ratio change per diameter using interchangeable ARC's. This allows the metered products' flow velocity characteristics to be aligned correctly throughout the life of the meter.



12603 Southwest Freeway, Ste 320
Stafford, Texas 77477 USA
sales@dynamicflowcomputers.com

T: 281.565.1118
F: 281.565.1119
www.dynamicflowcomputers.com