VERis Verabar.

Hot Tap Models

Differential Pressure Flow Sensors

V250 Low Pressure Hand Insertion

Threaded Components

The Most Accurate and Reliable Technology for Measuring Gas, Liquid and Steam...

Developed from aerospace technology, the *Verabar*. averaging pitot flow sensor provides unsurpassed accuracy and reliability. With its solid, one-piece construction and bullet shape, the *Verabar* makes flow measurement leak proof and precise.

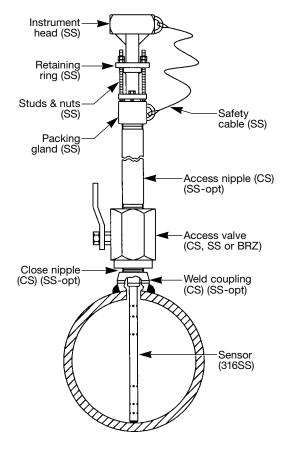
The unique sensor shape reduces drag and flow induced vibration. The location of the low-pressure ports eliminates the potential for clogging and improves signal stability.

Model V250

V250 Hot Tap					
Pipe Connection	Threaded (NPT)				
Mounting Type	Ball or gate access valve				
Features and Benefits	 Lowest cost hot tap model Installation, insertion & retraction without system shutdown Hand insertion and retraction for low pressures (no threaded rods) Retaining ring loads sensor to the opposite wall Can mount to existing valves 				
Applications	 Low pressure Air Stack/flue gas Water Hydrocarbon and other gases 				
Special Designs — Consult Factory	 Custom mounting, lengths, materials, instrument connections, etc. Short straight run 				

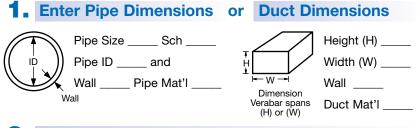
Model Specifications	V250			
Sensor Code	10	15		
Sensor Diameter	7/8" (22mm)	1-3/8" (35mm)		
Max Pressure	30 psig (2.1 Bars)	10 psig (0.7 Bars)		
Pipe Size	6"- 42" (150mm -1050mm)	12"- 60" (300mm -1500mm)		
Instrument Connection	1/2" NPT or Direct Mount			
Components Furnished	Weld coupling, close nipple, access nipple and valve			
Weld Coupling Size	1-1/4" NPT 2" NPT			

Verabar. Hot Tap Models



V250 Low Pressure

Furnish the following information:



2. Pipe or Duct Orientation



3. Enter Flow Conditions

Fluid Name:		Maximum	Normal	Minimum	Units
Flow Rate					
All Fluids	Temperature @ Flow				
	Pressure @ Flow				
Gas	Specific Gravity, or Molecular Weight				
Liquid	Specific Gravity				
Steam	Veracalc Program can calculate Density from Temperature and Pressure				

4. Select Model from page 3.

Use the Ordering Information table on page 3 to determine your model number.

5. Flow Calculation

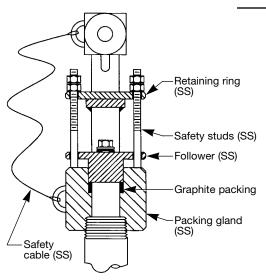


All Verabar applications require a flow calculation to verify the DP, pressure and temperature limits, structural limits and to size the transmitter. The Veracalc PC Program is for use by representatives and end users. It is easy to operate and *includes steam tables.*

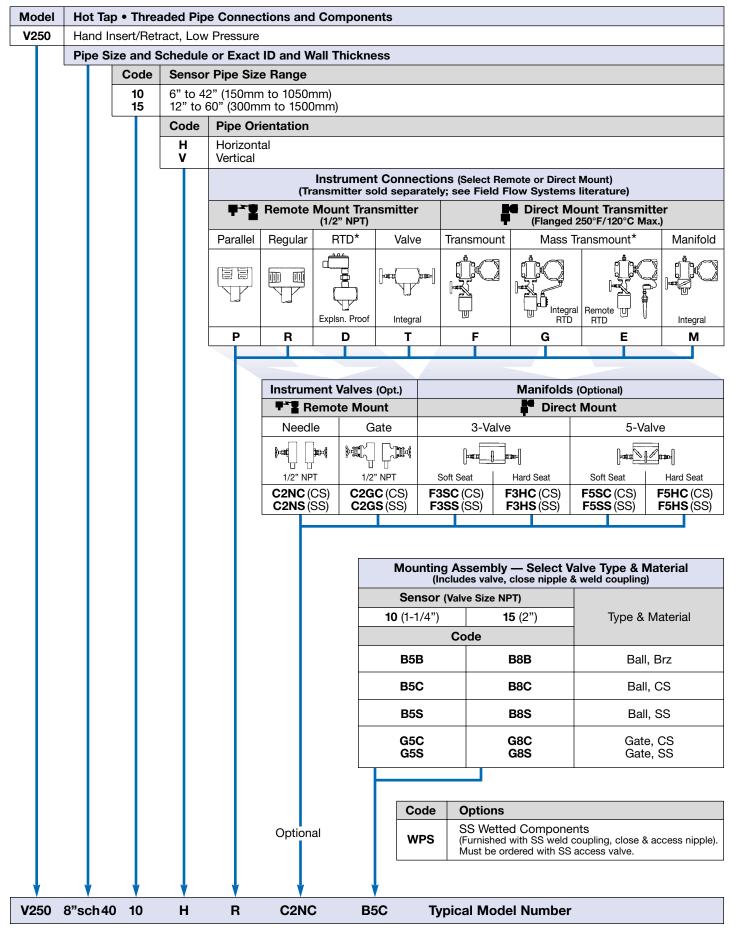
Retaining Hardware

- Eliminates drive rods.
- Safety cable ensures proper sealing of packing gland during retraction.
- Retaining ring loads sensor to opposite pipe wall.

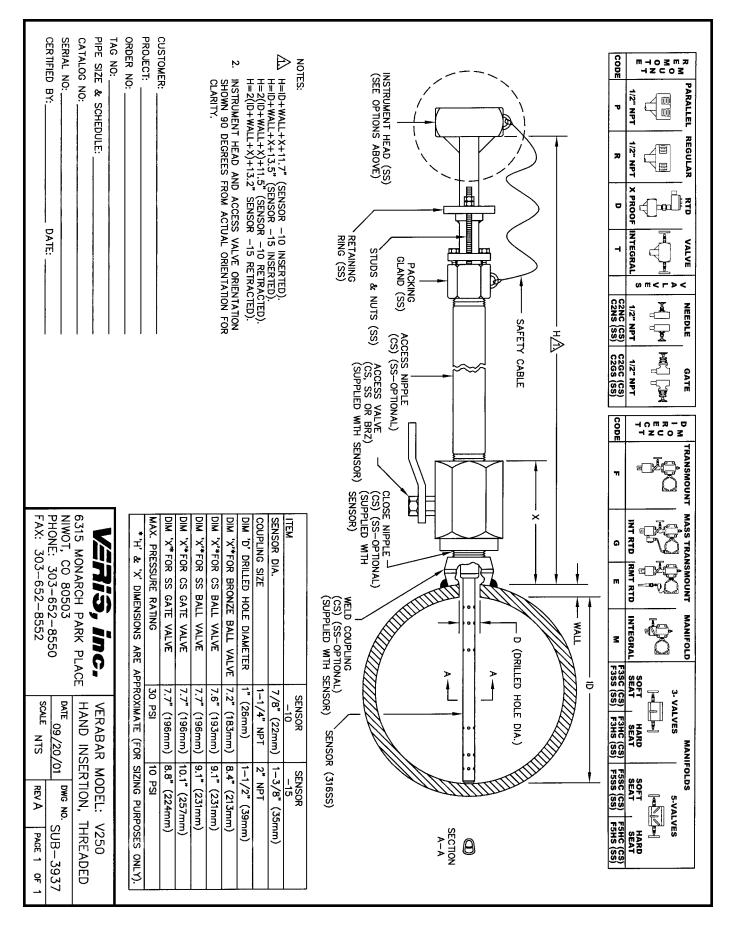
Model V250



Ordering Information



* For high pressure (>500psig) and high temperature (>500°F) remote mount RTD in a thermowell is preferred.





True Performance in DP Flow Measurement



6315 Monarch Park Place • Niwot, CO 80503 USA • Phone: 303-652-8550 • Fax: 303-652-8552 E-Mail: contact@veris-inc.com • Website: www.veris-inc.com

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