



Specialty Vortex Flow Meters

An ISO 9001 : 2000 Company

leadership counts



We have designed and installed truly Digital Vortex Flow Meters (VFM) for just ***about every application you can imagine.***

Today our custom designed VFM can be found in any quality conscious industry in over 12 countries.

So whatever your application be, we can offer a VFM which meets your specs & will provide complete accountability for your process fluids.



100 mm flow meter in compressed air distribution network.



10 F Model on 600 mm City water supply rising main.



450 mm insertion meter on factory intake water pipeline.

- ④ Process Industry
- ④ Cement Industry
- ④ Paper Industry
- ④ Machine Tool Industry
- ④ Automobile Industry
- ④ Power Industry
- ④ Petrochemical Industry
- ④ Pharma Industry
- ④ Biotech Industry



50 mm flow meter on Gas Engine.



Water, Effluents, Diesel... Any liquid...



The Vortex Principle

*Do not guess, when you can calculate,
Do not calculate, when you can measure
- Archimedes*

Accurate

Reliable

3 Years Warrantee



Flow meters for plant air consumption measurement.



40 mm gas flow meter on engine intake manifold.

- ⊗ **Steel Industry**
- ⊗ **Water Supply**
- ⊗ **Fertiliser Industry**
- ⊗ **Sugar Industry**
- ⊗ **Yarn & Textile Industry**
- ⊗ **Dairy Industry**
- ⊗ **Glass Industry**
- ⊗ **Beverage Industry**



80 mm flow meter for compressor capacity measurement.

No Moving Parts



Compressed Air, Natural Gas, Bio Gas... Any Gas...



400 mm inline flow meter.



200 mm flow meter for partially flowing gravity pipeline.

Feel free to ask for
Application
assistance
for your specific
requirements.



700 mm 2 nos. flow meters for DI & CI pipeline.

No Wear & Tear

No Maintenance



Feed Water, Coolants, Solvents... Your Application...

'Specialty Vortex Flow Meters' a life line of modern industry.

In last 20 years at INCONEL®, we have delivered the solutions that has maximum value to our customers. Meeting specific demands of customers led to close interaction between R&D and state - of - the - art manufacturing efforts that have resulted in setting new benchmarks of quality.

This very attitude was reflected when prestigious 'MCCI Parkhe Industrial Merit Prize' was awarded to our Vortex Flow Meter. Several Indian, American & European Patents were awarded for our products.

This expertise has made us the First choice supplier of leading MNCs & Industrial sectors. Focusing on a range of Vortex Flow Meters with new engineering innovations, we have given all desired features to ever changing needs of industries like Paper, Cement, Textile, Power, Pharmaceutical, Process, Dairy and Water management. A perfect answer to almost any application, regardless of size (From 25 mm to 3000 mm), our VFMs withstands the rigors of industrial demands.

The International Patents & ISO 9001 : 2000 Certification is an reassurance of our capabilities, as we believed in setting high standards for ourselves with state - of - the - art technology. No wonder then, the name INCONEL® is totally synonym with 'Specialty Vortex Flow Meters' - a life line of modern industry.

Presumably the best client list which includes over 450 MNCs who have Global presence like Cummins, Daimler-Chrysler, L&T, Reliance, TATA, Birla Group, Godrej, Bajaj, Sandvik Asia, Essar, Jindal Steel, Lupin, Kribhco, Aventis, Mahindra & Mahindra, NALCO, Alfa Laval, Crompton-Greaves, SKF, Elgi Compressors are some of our prestigious clients.



'MCCI Parkhe Industrial Merit Prize'



Indian - International Patents



ISO 9001 : 2000 Certificate

INCONEL® Flow Indicating Totalizer



Indication : Rate of flow & Total flow.

Display : 16 Characters, 2 Lines Backlit LCD Display.
Character size 2.95 mm x 5.55 mm.

Memory : Non volatile RAM which retains last totalizer reading in case of power failure.

Analog Output : Isolated linear 2 wire, 4-20 mA DC Output. [External DC power supply required.]

Serial Communication Port : Flow indicator unit acts as a Modbus (RTU) Slave Device with RS 232 / RS 485 (optional).

Protocol Support : Standard Modbus (RTU) or any other.

INCONEL® Vortex Flow Meters

The Advantages

Warranty :

3 years warranty for replacement of Parts free of charge, if the Flow meter is working within operating limits specified in the system identification and not physically damaged.

Proven High Reliability :

Field proven design of 20 years experience. Flow meter is designed to suit worst case conditions in the field. Backed by customers performance certificates for continuous working for more than 50,000 Hrs.

Low Cost of Installation :

No plumbing. No troublesome piping work or special wiring is required. Flow meter is pre-calibrated at the factory and ready to begin service, immediate after installation. No field calibration required.

Save Energy - Save Cost :

Very low pressure loss, 3 times less than orifice of 0.8 Beta ratio this results in considerable energy saving for Air Compressors, Steam Boilers & Water Pumps.

Zero Maintenance :

Absolutely Hands Off operation for years together without routine maintenance and inspection procedure.

No Wear & Tear :

No rotating parts, bearings or rotor blades.

True Volumetric Output :

True volumetric output is available from Flow Indicator.

Flow Indicating Totalizer :

The Flow Indicating Totalizer is remotely mountable.
Mounting : Wall / Control Panel.
Location : Safe Area.
Distance : Upto 5 Kms. from field mounted flowmeter.

Brief Technical Specifications

Meter Sizes : 1 inch (25mm) to 118 inch (3000mm)

Model : 3069 Vortex Flow meter.

Inline : Wafer Style / Flanged Style.

Sizes : 1 inch (25mm) to 16 inch (400mm).

Insertion :

Sizes : 10 inch (250mm) to 118 inch (3000mm).

Fluids : Liquids, Gases and Steam.

Accuracy : +/- 1.0% of the reading or better.

Repeatability : +/- 0.1% of the reading or better.

Operating Pressure :

Min : Adequate Back pressure to prevent cavitation.

Max : Available upto 140Kg/cm².

Operating Temperature : Please Specify while ordering.

Process Fluids : -40 deg. C to +300 deg. C

Ambient : -20 deg. C to +60 deg. C

Material : 316 S.S. ; 304 S.S ; Others Optional.

Mounting :

Inline meter : Flange & Wafer style meter for direct mounting between 150 lbs ANSI Flanges. Centering rings required for other flange rating. (300, 600 and 900 lbs ANSI)

Insertion Meter : On T Flange fixed to main pipeline. Hot Tap Style Insertion Flowmeter can be removed from the pipe line without shutdown of process. (Isolation valve required)

Flow Transmitter Housing :

Standard : Weather proof as per IP 65

Optional :

1. Explosion proof CMRS Certified as per IS : 2148 for Groups I, IIA & II B

2. Submersible as per IP 67 / 68. Protected against effects of Immersion in water for indefinite period under specified pressure.

 **INCONEL®**

Office No. 15 & 16, Commerce Avenue Complex, 127/2, Mahaganesh Colony, Paud Road, Kothrud, Pune - 411 038. INDIA.

Tel : +91 20 2546 9719

TeleFax : +91 20 2543 2965

email : inconel@vsnl.com

website : www.inconelindia.com

+91 20 2546 4765

info@inconelindia.com

