



Rockwin Flowmeter
India Pvt Ltd

PRODUCTS AND SERVICES



Rockwin, an ISO 9001 : 2008 company, has been successfully designing, manufacturing, calibrating and marketing high quality flow meters and related equipment for oil and gas, chemical and fertilizers, pharmaceutical, power, steel, defence and other major industries since 1976.

Rockwin's certifications include

- ISO 9001
- PED (Directive 97/23/EC) Module H
- NABL accreditation to ISO / IEC 17025
- ATEX

Products



Inline Liquid Turbine Flowmeter

Rockwin inline turbine flowmeters, are general purpose flowmeters, used for a variety of liquids and gases. These flow meters are, designed to provide high degree of accuracy and reliability under severe operating conditions.

Sizes : 5 mm to 500 mm nominal bore
 Flow range : 0.03 m³ / hr to 7000 m³ / hr
 Accuracy : ±0.5% of the flowrate or better



Insertion Turbine Flowmeter

Insertion turbine flowmeters are cost effective flowmeters, for flow measurement in large size pipes / ducts. These are velocity measuring devices with almost negligible pressure drop. Standard fitment includes, hot tap insertion arrangements with isolation valves. Applications include De-ballasting, Water distribution, HVAC, Pump output Balancing etc.

Velocity range : Liquid - from 0.3 m / sec to 12 m / sec
 Gas - from 0.6 m / sec to 50 m / sec
 Pressure : Upto 200 bar
 Accuracy : ±2% of flowrate or better



Hygienic Service Turbine Flowmeter

These Turbine flowmeters meet the special CIP requirements of food, beverage and pharmaceutical industries and are available in sizes up to 75 mm nominal bore. Sanitary / Tri-clover end fittings are available.



Custody Transfer Turbine Flowmeter

These flowmeters, are designed for demanding custody transfer applications in the oil industry and are calibrated according to API MPMS. The flowmeters are certified by National Legal Metrology Authority. Typical applications include, cross country oil pipelines, tank farms, loading gantries etc.

Sizes : Upto 400 mm nominal bore
 Flow Range : 27 m³ / hr to 4000 m³ / hr
 Accuracy : ±0.15% of the flowrate or better



Inline Fuel Gas Turbine Flowmeter

Inline fuel gas turbine flowmeters are specially designed turbine meters for the measurement of flow of fuel gases including custody transfer applications. Applications include, LPG, Natural gas, Air, Propane, CO₂, Nitrogen etc.

Sizes : 50 mm to 200 mm nominal bore
 Flow range : 10 m³ / hr to 2500 m³ / hr
 Accuracy : ± 1.0% of the flowrate or better



Miniature RPD Gas Flowmeter (LRZ)

Miniature RPD Gas Flowmeters are two figure eight shaped rotors which are geared through external synchronization gear. For every full revolution, each rotor transports a defined volume from inlet to outlet. The rotors in turn drive a counter. The counter is geared to indicate the volume passed through the meter in the appropriate units.

Flow range : 0.06 Am³ / hr to 10 Am³ / hr
 Accuracy : 1.5%
 End Connections : G 3/4" (M)



Hydraulic Tester

Rockwin HT-9100 Hydraulic Tester is a very versatile device designed as a portable instrument for simultaneous measurement of Flow rate, Pressure and Temperature on single LCD screen for Hydraulic circuits.

Sizes : 15 mm to 40 mm
 Flow Range : 6 LPM to 600 LPM
 Accuracy : $\pm 1\%$ of full scale



Electromagnetic Flowmeter

Rockwin EFM series Electromagnetic flowmeters are designed for measurement of all type of conductive liquids. This flowmeter tolerates high percentage of suspended solids sludge, slurries, minerals, paper and sewage.

Sizes : 25 mm to 300 mm
 Flow Range : 1.8 m³ / hr to 3053 m³ / hr
 Accuracy : $\pm 0.5\%$ of the flowrate or better



Coriolis Mass Flowmeter

ROCKWIN is exclusive distributor in India for Rheonik Messtechnik GmbH, Germany for Coriolis Mass Flowmeter. These flow meters make use of Coriolis force principle for measurement of mass flow of liquids and gases. Its unique omega tube element and cross bar / torsion bar construction enables its high degree of accuracy, remaining unaffected by pipeline vibrations and pressure changes. A range of Electronic readout units for panel and field mountings are available. Applications include Petroleum products, Pharmaceuticals, LPG, LNG, CNG, Food and beverages, Pulp etc.

Sizes : 5 mm to 300 mm
 Flow range : 0.004 kg / min to 30000 kg / min
 Accuracy : Upto $\pm 0.1\%$



Screw Volumeter

Offered in co-operation with KRAL AG, Austria, these positive displacement flowmeters, employ an unique twin screw measuring arrangement, resulting in unmatched accuracy, wide rangeability, high operating pressure and high viscosity handling capability.

Applications include, Fuel oil, HFO, LDO, Hydraulic oil, Lubricating oil, Polymers, Polyols, Isocyanate, Asphalt etc.

Sizes : 15 mm to 150 mm nominal bore
 Flow range : 0.2 LPM to 5000 LPM
 Accuracy : $\pm 0.15\%$ of the flowrate or better



FMG make RPD Meters

The FMG series of rotary gas meters are designed to meet the highest demands of reliable and accurate measurement of gas flow. The meters fully comply with the EN12480 and OIML R137 specifications . A compact exchangeable aluminum cartridge allows local repair and on-site cleaning. Installation stresses caused by connecting piping are minimal due to the robust design and construction of the casing and cartridge.

Sizes : 40 mm to 150 mm
 Flow range : 0.5 Am³ / hr to 650 Am³ / hr
 Accuracy : $\pm 1.0\%$ of the flowrate or better



Volume Corrector

Volume Corrector is a high accuracy and cost effective device, especially designed to meet the emerging requirements of Gas Distribution Utilities and Custody Transfer Application.

It incorporates wide range of features which not only meet the local metering requirements but also provide complete solution for gas distribution utilities to achieve fast and efficient network operation and management.

Filtration, Regulation and Metering Stations

Rockwin is actively involved in design and manufacturing of self-contained, pre-fabricated stations. A team of experienced mechanical, electrical and instrumentation designers develop systems to meet the exact requirements of the industry. The applications include City gas stations, District regulation stations, Metering and regulating stations for commercial and industrial applications.

Orifice / Diaphragm / RPD / Coriolis / Turbine / Ultrasonic based metering skids, complaint to industry standards, are available.



Chemical Dosing Systems



Rockwin designs and manufactures chemical dosing systems, for protection of metal corrosion, precipitation alkaline earth salts, retarding deposition of corrosion products.

Application includes hydrazine, phosphate, ammonia, chlorine, antifoam, MEG, NaOH etc. The dosing system, is a complete skid mounted solution, consisting of preparation tank and metering tank, dosing pumps with motors, agitators and all accessories for pump stroke control including instrumentation, piping etc.

Additive / Ethanol dosing systems are also available.

Calibration Facilities

Rockwin has a state of the art flow calibration facility which is at par with the best in the world. This facility is accredited by, **NABL (National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technology, Government of India.**

The Liquid calibration facility includes, two volumetric ball provers of 500mm and 100mm sizes. These are positive displacement prover loops, designed and operated as per API MPMS. These provers, are independently certified and are traceable to national standards. The present facility can handle flows upto 3500 m³/ hr.

The Gas calibration facility is based on transfer standards.
Maximum flow : 2500 m³/ hr

The Oil calibration facility is based on transfer standards.
Maximum flow : 250 LPM



Development dictates that from time to time the data shown above is subject to change without notice. Please obtain a quotation.

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