Ramguru Services

Accurate, Everytime

Adhering to

ISO 4064

IS 779

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COMPANY PROFILE

Ramguru Services *was established in 2015, started designing and supply of water meter test benches and is now expanding its services in to establishing flow meter calibration and test setup, providing consultancy for flow related problems.*

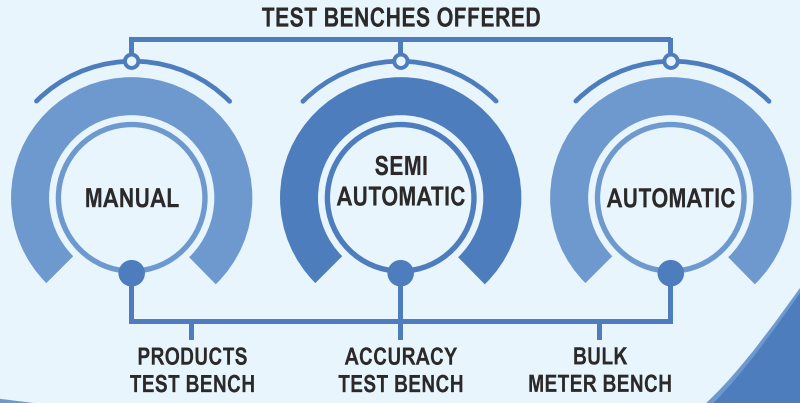
The company offers its customers complete solutions, right from designing of water meter test facility to commissioning. We have technical experts having more than two decades of experience in water meter testing and flow measurement.

The engineering units of Ramguru Services is mainly divided into 5 viz; Design and Drawing Unit, Mechanical and Manufacturing Unit, Electrical Engineering Unit, Electronics and Automation Unit, Testing and Calibration Unit. The Engineers working in the respective Units have proven expertise and experience of more than 25 years in their respective fields from reputed organizations.

About the water meter Test Facility

The water meter test facility operates on Gravimetric Method/ Comparison Method, which is the primary method for determination of fluid volume. The test facility uses a high precision Weighing Balance / Electromagnetic Flow Meter for determining the actual volume of water passed through the meters under test.

One or more electromagnetic flow meters (as per the requirement) are used in the test facility for setting the required flow rates for testing water meters. The all-stainless-steel components make it rugged and durable. All components used in the test facility, like weighing balance, flow meters, pumps, pressure gauges, temperature sensors etc, are from reputed manufacturers and is capable of achieving far better accuracy that which is required as per the standards. The test bench is designed and manufactured as per the requirements of both Indian and International standards; IS 779, IS 6784, ISO 4064 & OIML R49.



ACCURACY TEST BENCH
DOMESTIC TYPE

TECHNICAL DESCRIPTION
ACCURACY TEST BENCH

Mountable Meter Sizes	Mountable Count as per standard
DN15	10
DN20	8
DN25	6
DN32	3
DN40	3
DN50	3
DN65	2
DN80	2
DN100	1
DN150	1
DN200	1
DN250	1
DN300	1

Flow Range	Pressure Range (Min to Max)
0.005 m3 (5 LPH) to 1200 m3 (12,00,000 LPH)	*0 to 20 Bar*

MOC

Component	Manufacturing Material
Meter holding Adaptors	*Stainless Steel 304*
Pneumatic Cylinders	*Stainless Steel 304*
Cover and water drainage tray	*Stainless Steel 304*
Storage Tank	*Stainless Steel 304*
Collection Tank	*Stainless Steel 304*
Gooseneck assembly, Valve mounting manifold, Pressure manifold etc	*Stainless Steel 304*
Test facility body (frame)	*Epoxy Painted MS*

Salient Features

- *High Head vertical inline pump is used for meters ranging from DN15 to DN25*
- *Centrifugal pump is used for meters ranging from DN32 to DN300*
- *Reference meters used can be Coriolis meter, Mass Flow meter or EMF as per requirement*
- *Calibration Method can be Gravimetric method or Comparison method*
- *Goose Neck assembly to ensure at-most accuracy of measurement in Gravimetric system*
- *Pneumatic Telescopic Mount*
- *Pressure Loss measurement system*
- *Temperature measurement Unit*

PRODUCTION TEST BENCH

TECHNICAL DESCRIPTION
PRODUCTION TEST BENCH

Mountable Meter Sizes	Mountable Count as per standard
DN15	20
DN20	16
DN25	12

Flow Range	Pressure Range (Min to Max)
0.015 m3 (15 LPH) to 7 m3 (7000 LPH)	*0 to 20 Bar*

MOC

Component	Manufacturing Material
Meter holding Adaptors	*Stainless Steel 304*
Pneumatic Cylinders	*Stainless Steel 304*
Cover and water drainage tray	*Stainless Steel 304*
Storage Tank	*Stainless Steel 304*
Collection Tank	*Stainless Steel 304*
Test facility body (frame)	*Epoxy Painted M*

Salient Features

- *High Head vertical inline pump is used for meters ranging from DN15 to DN25*
- *Reference meters used is EMF and / or coriolis meter as per requirement*
- *Calibration Method is Comparison method and / or gravimetric method as per requirement*
- *Goose Neck assembly to ensure at most accuracy of measurement in Gravimetric system*
- *Pneumatic Telescopic Mount*

BULK METER FACILITY

TECHNICAL DESCRIPTION
BULK METER FACILITY

Mountable Meter Sizes	Mountable Count as per standard
DN32	3
DN40	3
DN50	3
DN65	2
DN80	2
DN100	1
DN150	1
DN200	1
DN250	1
Dn300	1

Flow Range	Pressure Range (Min to Max)
12 m3 (12000 LPH) to 1200 m3 (12,00,000 LPH)	*0 to 6 Bar*

MOC

Component	Manufacturing Material
Meter holding Adaptors	*Stainless Steel 304*
Pneumatic Cylinders	*Stainless Steel 304*
Water drainage tray	*Stainless Steel 304*
Storage Tank	*Stainless Steel 304*
Gooseneck assembly, Valve mounting manifold, Pressure manifold etc	*Stainless Steel 304*
Collection Tank	*Stainless Steel 304*
Test facility body (frame)	*Epoxy Painted MS*

Salient Features

- *Centrifugal pump is used for meters ranging from DN32 to DN300*
- *Reference meters used is EMF and / or coriolis meter as per requirement*
- *Calibration Method can be Gravimetric or Comparison method*
- *Goose Neck assembly to ensure at most accuracy of measurement in Gravimetric system*
- *Pneumatic Telescopic Mount*
- *Pressure Loss measurement system*
- *Temperature measurement Unit*

White N Black
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