



## COMPANY PROFILE

### **Bernoulli's Flow Testing & Calibration Laboratory**

Bernoulli's Flow Testing & Calibration Laboratory was established in 2024 by a team of highly experienced engineers retired from the Government Autonomous Institute. With a collective experience of 25 to 30 years in flow measurement and calibration, our team brings unparalleled expertise and technical excellence to the industry. Located in Pudussery, Palakkad, our laboratory is dedicated to providing world-class services in flow testing and calibration, ensuring precision, reliability, and compliance with international standards.

As a cutting-edge facility, we are committed to advancing flow measurement technologies through rigorous testing, research, and continuous innovation. Our laboratory serves as a trusted partner for industries seeking reliable, high-precision calibration solutions, contributing to the enhancement of water resource management and infrastructure efficiency. With a strong emphasis on quality, safety, and sustainability, we strive to set new benchmarks in the field of flow metrology.

At Bernoulli's Flow Testing & Calibration Laboratory, we take pride in fostering a culture of technical excellence and customer-centric service. Our expertise enables us to support industries in improving operational efficiency, reducing losses, and ensuring compliance with national and international regulatory requirements. Our facility is designed to cater to a diverse range of industries, ensuring that our clients receive best-in-class testing and calibration services that enhance their product performance and reliability.

### **Our Expertise & Services**

We specialize in offering high-precision flow testing and calibration solutions, focusing on water flow measurement systems. Our key services include:

- **Flow Testing & Calibration** – Ensuring accuracy and compliance for water meters and other flow measurement devices.
- **On-site Measurement & Calibration** – Providing mobile calibration services for real-world applications.
- **Model Approval Testing** – Conducting verification tests to meet regulatory and industry standards.
- **Analysis & Consultancy** – Addressing flow-related challenges, including surge analysis and distribution network optimization.
- **Training & Knowledge Transfer** – Educating professionals on best practices in flow measurement and calibration.

## Water Meter Testing

We conduct comprehensive testing of water meters to ensure their performance, accuracy, and durability. Our water meter testing includes:

- **Type Tests** – Verifying compliance with design and performance standards.
- **Flow Tests** – Assessing accuracy and response across different flow conditions.
- **Lifecycle Tests (Accelerated Endurance Test)** – Evaluating long-term durability and reliability under accelerated conditions.

## Valve Testing

We also provide precision testing for valves to ensure optimal performance and compliance with industry standards. Our valve testing services include:

- **Performance Testing** – Assessing flow characteristics, pressure drop, and leakage.
- **Endurance Testing** – Evaluating long-term operational reliability.
- **Sealing & Leakage Testing** – Ensuring tight shut-off and minimal leakage rates.

## Our Facilities

Currently, we operate a state-of-the-art **Water Flow Laboratory**, equipped with cutting-edge technology to support precision testing and calibration. Our facility is designed to meet global standards, ensuring the highest levels of accuracy and reliability in all our services.

We have a **test line facility** with a capacity range from **15mm to 150mm**, capable of handling **flow rates from 3 litres per hour (0.003 m<sup>3</sup>/h) up to a maximum of 2 Lakhs litres per hour (200 m<sup>3</sup>/h)**.

## Commitment to Quality & Standards

At Bernoulli's Flow Testing & Calibration Laboratory, we adhere to internationally recognized quality and metrology standards. Our commitment to excellence ensures that every test and calibration service we offer meets the highest industry benchmarks, providing our clients with trusted and certified results. All tests will be carried out as per customer preference and/or as per relevant BIS/ISO standards.

## Industries We Serve

We cater to a wide range of industries, including:

- Water supply and distribution utilities
- Government and regulatory bodies
- Research and academic institutions
- Industrial and commercial enterprises requiring precision flow measurement

## Our Vision & Mission

### Vision

To be a globally renowned organisation in technology and sustainability, delivering world-class, value-added solutions that surpass customer expectations while promoting environmental and social responsibility.

### Mission

**Our mission is to deliver world-class, high-quality, and value-driven services by:**

- Exceeding customer expectations with cutting-edge technology and cost-effective solutions.
- Adhering to internationally recognized standards for precision, reliability, and compliance.
- Driving global recognition and competitiveness with a sustainable annual growth rate.
- Advancing knowledge sharing and technical expertise to empower industry professionals.
- Pursuing excellence through continuous innovation, teamwork, and service enhancement.
- Creating a dynamic, efficient, and aesthetically optimized work environment.
- Upholding the highest safety and health standards, striving for zero workplace incidents.
- Contributing to social welfare, environmental sustainability, and community development.

### Contact Us

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