



## Presto Stantest Pvt. Ltd.

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## IPX3 & IPX4 Rain & Spray Test Apparatus



The **Presto IPX3 & IPX4 Rain & Spray Test Apparatus** is designed to evaluate the resistance of electrical enclosures against water ingress under controlled spray conditions. The system simulates rainfall and splashing water as defined under IPX3 and IPX4 protection standards, ensuring product reliability in real-world environmental conditions.

The equipment uses a precision-engineered oscillating tube mechanism that delivers uniform water distribution over the test specimen. With adjustable tube radii and controlled flow rates, the system provides flexibility to test a wide range of product sizes. The perforated support structure ensures proper exposure without rotating the specimen, maintaining test consistency and compliance with international standards.

### Features

- Designed to perform both **IPX3 (spray test)** and **IPX4 (splash test)** in a single unit
- Oscillating tube mechanism for uniform and repeatable water distribution
- Adjustable spray angle:
  - IPX3: 60° on either side of vertical
  - IPX4: 180° on either side of vertical





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- Variable tube radius options for different specimen sizes
- Controlled water flow rate up to 10 L/min
- Non-rotating perforated specimen support for stable testing
- Corrosion-resistant construction for long service life
- Easy-to-use control system for precise test parameter setting
- Designed as per relevant IEC/IS standards for ingress protection testing

### Technical Specifications

Parameter	Specification
Test Standard	IPX3 & IPX4
Spray Angle (IPX3)	±60° from vertical
Spray Angle (IPX4)	±180° from vertical
Oscillation Mechanism	Motorized oscillating tube
Tube Radius Options	200 / 400 / 600 / 800 / 1000 mm
Flow Rate	0 –10 L/min (adjustable)
Specimen Support	Perforated, non-rotating
Water Distribution	Uniform through calibrated nozzles
Construction	Corrosion-resistant material
Control System	Digital / Manual (as per configuration)
Application	Electrical enclosures, lighting, automotive components, electronics

