Science Lab

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**Product Name :**

Burettes with PTFE Needle Valve Stopcock

**Product Code :**

SLE/GBu/06



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# Description :

**Burettes with PTFE Needle Valve Stopcock** (Product Code: SLE/GBu/06) combine agraduated borosilicate glass body with a Rotaflow-type PTFE needle valve in place of aconventional key. The valve gives a leakproof seal and finer control of flow, needs no lubricationand avoids the plug seizure that can affect ground stopcocks. They are chosen by college,university and analytical laboratories that want precise, drop-by-drop delivery near the end point,and are made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of itsborosilicate laboratory glassware in India and for overseas buyers.

## Specifications

| Parameter | Detail |
|---|---|
| Body | Borosilicate glass |
| Stopcock | Rotaflow-type PTFE needle valve |
| Valve benefits | Leakproof seal, finer flow control, no lubrication needed, no plug seizure |
| Capacities | 5 ml, 10 ml, 25 ml, 50 ml, 100 ml |
| Scale | Graduated |
| Properties | Heat resistant, chemical resistant |
| Application | Chemical laboratory titrations |

## Typical Use

A needle valve opens progressively as it is turned, rather than in a single quarter-turn, so the operator can run titrant quickly at first and then slow it to single drops or even part-drops as the colour change approaches. That makes this burette well suited to titrations with gradual or subtle end points, to repeat determinations where readings must agree closely, and to teaching students careful end-point technique.

Open and close the valve with light finger pressure only; the seal comes from the PTFE needle seating in the glass, and forcing it closed does not improve the seal. Because no grease is used, the burette is simple to rinse and there is no lubricant to contaminate sensitive solutions. For stable readings, clamp it on a burette stand — a standard piece of chemistry lab equipment in India — with the jet just inside the neck of the receiving flask.

## Manufacturer

These needle valve burettes come from **Jain Scientific Equipments Private Limited**, which markets its laboratory products under the **ScienceLab** name. The company works from Ambala in Haryana, India, and serves teaching and analytical laboratories at home and abroad. Visit the company profile for an overview of the organisation.

## Related Laboratory Equipment

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