**SCIENTICO INDIA**
Manufacturer & Exporter · Ambala, Haryana, India

**PRODUCT DATA SHEET**
Catalogue reference for product evaluation

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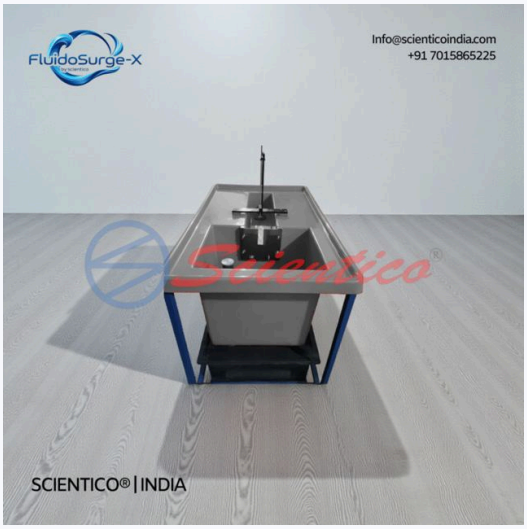
# Flow Over Weirs | FluidoSurgeX 104

**Category:** Fluid Mechanics · **Order Code:** FLUIDOSURGEX 104 · **Country of Origin:** India

## Product Overview

A CE-certified open-channel flow apparatus for measuring discharge over rectangular, V-notch, and trapezoidal weirs, manufactured by Scientico India to ISO 9001:2015 standards. Supplied with calibration certificate, operation manual, and complete export documentation. Designed for Fluid Mechanics laboratories in engineering colleges and technical institutions.

View this product online: https://scienticoindia.com/product/flow-over-weirs-fluidosurgex-106/




**Request a model-specific quotation**
Include quantity and delivery country.

## Technical Specifications

| Parameter | Specification |
|---|---|
| Model | FluidoSurgeX 104 |
| Type | Flow Over Weirs Apparatus |
| Application | Open Channel Flow Experiments |
| Weir Plates Material | Stainless steel |
| Weir Plate Type | Self sealing |
| V Notch Weir | Thomson weir with 90° and 30° notch |
| Rectangular Weir Notches | 50 x 100 mm and 25 x 100 mm |
| Head Measurement | Level gauge |
| Operation Requirement | Hydraulic bench required |

## Key Features

**Key Features -**

- Experimental setup for studying flow over weirs
- Includes V notch and rectangular notch weir plates
- Stainless steel self sealing weir panels for reliable operation
- Level gauge for precise determination of weir head

- Compatible with hydraulic bench based fluid mechanics experiments

**Applications -**

- Determination of weir head in open channel flow
- Measurement of volumetric flow rate using weirs
- Study of flow characteristics over rectangular and V notch weirs
- Determination of coefficient of discharge
- Fluid mechanics and hydraulics laboratory experiments

**Construction & Design Details -**

The weir plates are manufactured from stainless steel to ensure durability and resistance to corrosion. Self sealing construction allows quick installation and reliable operation with the hydraulic bench channel. The level gauge is designed for direct measurement of water head above the weir crest during experiments. The apparatus is intended to be used as an auxiliary module with a compatible hydraulic bench.

**Export & Supply Capability -**

SCIENTICO manufactures and supplies the FluidoSurgeX 104 Flow Over Weirs apparatus for domestic and international markets. The unit is suitable for export to engineering colleges, universities, and technical training laboratories. Standard packaging and documentation are provided with each supply.

## Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

## Frequently Asked Questions

**Q1. Is this apparatus a standalone unit?**
No, the Flow Over Weirs FluidoSurgeX 104 requires a hydraulic bench for operation.

**Q2. What types of weirs are included with the apparatus?**
The supply includes Thomson V notch weirs and rectangular notch weirs.

**Q3. How is the weir head measured?**
The weir head is measured using the supplied level gauge.

**Q4. What material are the weir plates made of?**
The weir plates are manufactured from stainless steel.

**Q5. What experiments can be performed using this setup?**
Experiments include determination of weir head, volumetric flow rate, coefficient of discharge, and flow characteristics over different weir profiles.

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