Triangular weirs are sharp crested thin plates with V-shape opening (or notch). These plates are designed to measure seepage water flows in channels or tanks.

**Description**

Triangular weirs are sharp crested thin plates with V-shaped opening (or notch). These plates are installed at the exit of a channel, tank, or basin in order to measure the real-time flow of water. For a given weir profile size and shape, the flow of water is related to the head of water at the weir.

Measurement can be carried out manually directly on the plate or on a staff gauge fixed to the basin wall, or remotely via a water level sensor installed in the basin at a minimum distance of the V-notch. Acoustic or vibrating wire NIVOLIC WL sensors can be used - see separate brochure for more information.

A typical application for these plates consists in measuring the flow of water on the downstream side of a dam. The seepage water flow will be diverted to an open channel in a weir-station. Seepage measurement is one of the most important indicator of the overall performance of earth / rock -fill and concrete dams.

**Key Features**

- Available in 22.5, 45, 60, and 90 degrees
- Flows from 5 to 187 liters per second
- Simple principle
- Stainless Steel construction
- Low maintenance
- Can be easily automated

**Applications**

- Seepage measurement in concrete and earth dam
- Open channels flow rate
- Drainage systems in tunnels and excavations

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Please specify:

- Model (capacity)
- Optional water level sensor with readout equipment
- Customized plate fitting basin dimensions and onto which the v-notch plate will be screwed

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**Specifications**

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<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Angle α</th>
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**Material**

Stainless Steel 304

**Thickness**

6.35 mm

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**Ordering Information**

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Roctest reserves the right to make any changes in the specifications without prior notice.