

Flow meters overview

We provide open channel and closed pipe flow meters for both industrial and environmental applications.

Our Open channel Flow meters are installed throughout Ireland primarily for IPC licence compliance and in WWTP's. Our range include the Teledyne Isco Signature and Isco 2100 series, which includes; ultrasonic, bubbler, area velocity, and the highly innovative; ' Laser' ,measurement technology options.



Stationary Open Channel Flow Meters:

Isco 310 Signature Ultrasonic Flow Meter- this is our standard open channel flow meter for industrial applications. It is installed in combination with a flume or weir

Isco 330 Signature Bubbler Flow Meter- This bubbler flow meter provides a very accurate solution and is unaffected by foam or steam. It is used extensively in the dairy industry in Ireland. It is installed in combination with a flume or weir or the patented and simple to install Isco Flow Metering Inserts

Isco Signature 350 Area Velocity Flow Meter- stationary industrial applications where a flume or weir is not feasible.

Isco Signature 360 Laser Flow Meter- A top of range new and highly innovative Laser measurement technology which is completely non contact, does not require a flume or a weir and is typically accurate to 2%.

- Non-contact velocity and level measurement



- Single or Multiple Point measurement below the liquid surface
- Rugged, submersible enclosure with IP68 ingress protection
- Zero deadband from measurement point in non-contact level and velocity measurements
- Quality readings without manual profiling
- Bidirectional velocity measurement

Portable Open Channel Flow Loggers

Isco 2150 area velocity logger- A battery powered AV logger used extensively for sewer, storm overflow and surface water studies. Typically used in combination with Isco Flowlink 5.17 software for complete level, velocity and flow analyses



Isco 2110 Ultrasonic Logger- a battery powered logger used with flumes or weirs

Isco 2105G modem- a GPRS modem that stacks onto either the 2150 or 2110 and pushes data to Water Technology or customer server using Flowlink Pro. Real - time website access data is made available which is ideal for flow survey work.

Above: 2150 with AV sensor and Battery Module

Right: up to 4 Modules stack together for multi-stream or redundant measurements



Storm overflow Monitoring and Flood Warning Management

Ijinus Ultrasonic Logger Modem – a completely low power/autonomous and economical solution for storm overflow networks. Level data can be logged for manual downloaded periodically using local wifi connection or ‘pushed’ via grps to hosting server. Data is typically displayed and accessed on exclusive customer website using Ijitrack web access service. SMS and email alerts available



Ijinus Storm Overflow Sensor- an economical capacitive On/Off switch and logger for simple logging of storm events



Ijinus rain gauge with integral logger – local logging and GPRS (push data options available).



Flumes and Weirs

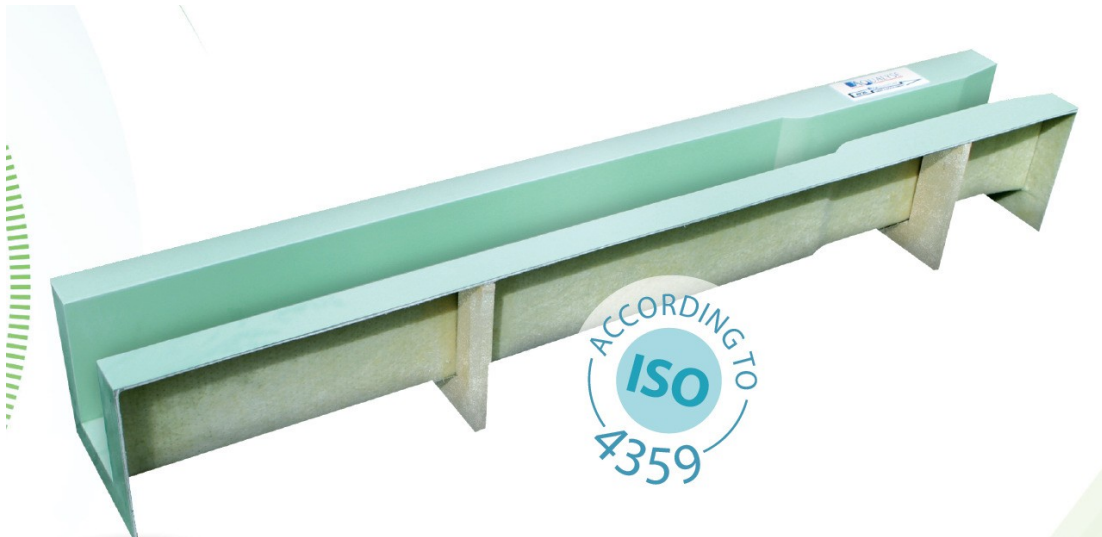
We supply TRACOM Flumes- American style GRP flumes

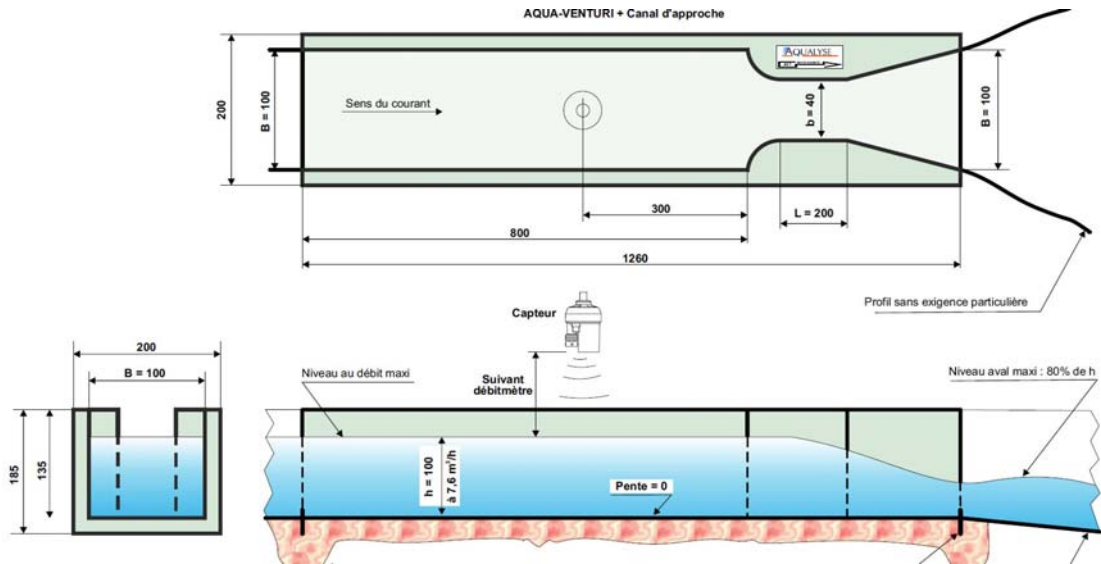
- Palmer Bowlus
- Parshall
- Traezoidal
- H Flumes

Drawings, rating curves tables and installation instructions and advice provided.



We supply Aqualyse Venturi Flumes in GRP with ISO 4359 standard.





We design and fabricate sharp edge V notch tanks to suit various flow rates.

