



Openchannelflow Weir Boxes incorporate ISO standard thin-plate weirs in baffled, pre-engineered structures for above ground and shallow burial applications.

Each weir box consists of:

- The primary “box” structure
- A fixed inlet baffle (to help condition incoming flows)
- A fixed weir plate carrier
- An interchangeable weir plate (V-notch, Cipoletti, or rectangular)
- Exterior anchoring tabs for mounting the structure
- External ribs (where necessary) for free-standing use

The weir plates used in **Openchannelflow** weir boxes are precision cut from high strength, corrosion resistant stainless steel and are engineered for years of trouble-free service. Should, however, the weir plate need to be changed - either through damage or change in flow conditions - computer controlled production guarantees the replacement's fit.

As with all thin-plate weirs, **Openchannelflow** weir boxes are only suitable for open channel flows and for water at ordinary temperatures (39 to 86° F) [about 4 to 30° C]; they are not suitable for pressurized conduit conditions.

APPLICATIONS

- Dam Seepage Monitoring
- Industrial Discharge
- WWTP Effluent
- Stormwater Channels



MATERIAL OPTIONS

- Aluminum
- Galvanized Steel
- Fiberglass (FRP / GRP)
- PVC
- Stainless Steel

ACCESSORIES

- Piping / end connections
- Flow conditioning options
- Flow meter mounts
- Sampler / parameter mounts
- Dual / triple cell configurations
- Hinged and bolted covers
- Custom configurations

