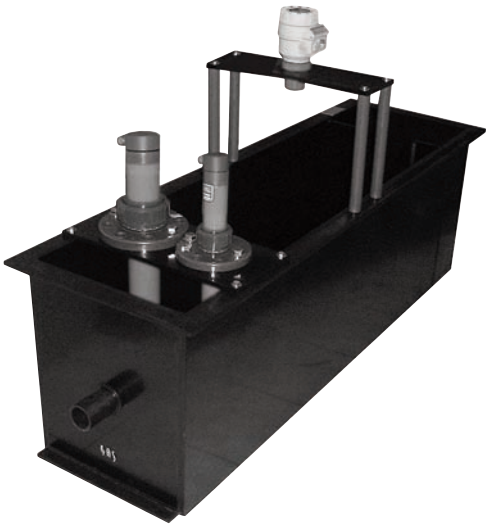
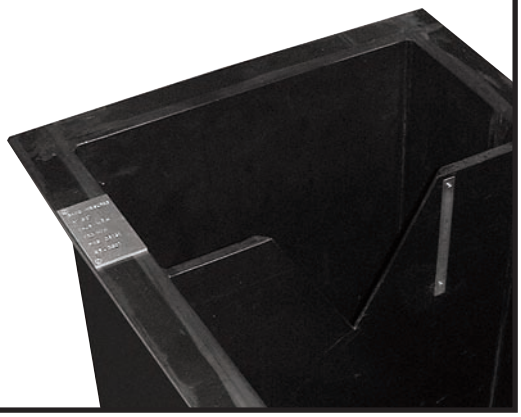
# V-notch weir plates
# DEBITBAC

## According to ISO 1438/1 – 1980



# RECOMMENDATIONS



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## MOUNTING

- All parts of the DEBITBAC and all accessories should be easy to access for inspection and maintenance.
- The plates as for thin type should have a chamfered edge (45° angle) downstream side.
- The plate thick depends of its width and of height of fluid (due to the flow).
- Commonly the thick is 6, 8 or 12 mm.
- A limnimetric scale must be visible easily at any time for evaluation of water level.
- All instrumentation should be installed in the tranquilization basin or in a measuring well.
- The dimensions of the complete device should correspond to 70%...10% of maximal capacity.
  Over dimensions may induce a bad accuracy for low flow rates.

## Maintenance and calibration check up

The plate must be kept clean without fouling, micro-organisms etc. and during winter time free of ice.
If necessary, precautions to prevent sedimentation or accumulation of sludge may be set up.
The zero level for the transmitter has to be checked regularly with a null flow rate. If this flow condition is not possible, a specific graduated ruler for standardization must be installed.
Other check points:

- Plate aspect, integrity
- Plate crest horizontality
- Plate verticality
- Crest height vs. a well-known level point (to detect a possible sinking of the complete system).

## TECHNICAL FEATURES *(according the model)*

- Flow rate from 1 $m^3$/h up to 400 m3/h
- V from 20° to 100°
- Realization to specific dimensions
- Ready to use
- According to ISO 1438/1-1980
- Construction: PPH *(or according to specific model)*

## DIMENSIONS

### In respect to Kindvater-shen formula some physical limits exist (ISO 1438/1-1980).

LP = 4 to 5 time h max.

LT = 10 time b

HT = p + h max. + 0.05 m

h > 0.06 m

p > 0.09 m

**Other limits:**
**See the data sheet of your DEBITBAC.**