

≡ SPILLWAYS

FC300 FLUME ANCILLARIES (DATASHEET 4 OF 6)

Optional spillways for use with TecQuipment's 300 mm Flumes (FC300 range).



SPILLWAY (FC300E)

The spillway comes in four parts: the spillway, detachable ski jump and plain apron with removable toothed block. It is used to observe and calculate flow and energy dissipation over spillways.

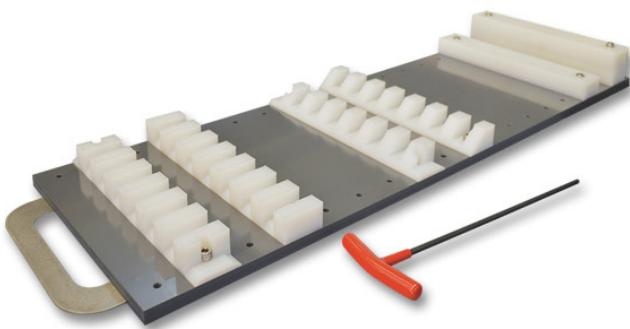
The spillway can also be used with the Energy Dissipation (FC300e3) to extend the range of possible experiments.



VDAS® Ogee Weir with Tappings (FC300E2)

Similar to the Spillway (FC300e) but with the addition of ten pressure tapings placed over the crest and face of the weir. The tapings are connected to a suitable Manometer (FC300w) or 32-Way Pressure Display (FCA1). It is used to study the pressure differences over the crest and face of an Ogee weir.

The spillway can also be used with Energy Dissipation (FC300e3) to extend the range of possible experiments.



ENERGY DISSIPATION (FC300E3)

To be used with either the Spillway (FC300e) or the Ogee Weir with Tappings (FC300e2). The apparatus consists of a long apron and a selection of toothed and solid blocks that can be arranged in any combination on the apron. For the study of the dissipation of energy.

SIPHON SPILLWAY (FC300L)

A clear acrylic spillway that demonstrates the effect of a siphon spillway and the increased flow permitted when compared with an ordinary spillway of a similar height.



SELF-REGULATING SIPHON (FC300L2)

A clear acrylic, self-regulating siphon that demonstrates the automatic adjustment of its discharge over a wide range while maintaining a mostly constant water level upstream. The siphon passes a mixture of air and water.



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FC300 FLUME ANCILLARIES (DATASHEET 4 OF 6)

STANDARD FEATURES

- Five-year warranty
- Manufactured in accordance with the latest European Union directives
- ISO9001 certified manufacturer

ESSENTIAL BASE UNIT

- Flow Channel (FC300)

SPECIFICATIONS

TecQuipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design and product specification without prior notice.

SPILLWAY (FC300E)

SPILLWAY

DIMENSIONS: Height: 250 mm; length: 150 mm; width: 295 mm

WEIGHT: 6 kg

SKI JUMP

DIMENSIONS: Height: 55 mm; length: 170 mm; width: 295 mm

WEIGHT: 2 kg

PLAIN APRON

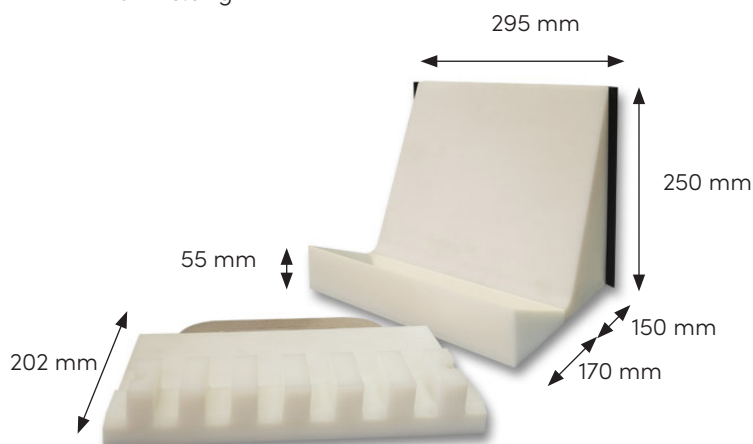
DIMENSIONS: Height: 15 mm; length: 202 mm; width: 295 mm

WEIGHT: 2kg

TOOTHED BLOCK

DIMENSIONS: Height: 30 mm; length: 50 mm; width: 295 mm

WEIGHT: 0.5 kg



OGEE WEIR WITH TAPPINGS (FC300E2)

SPILLWAY

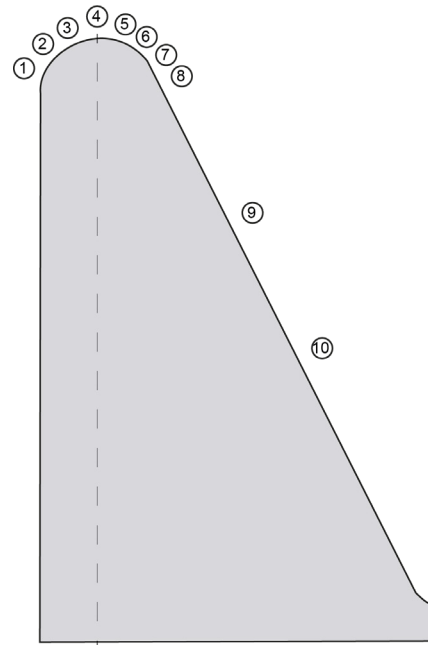
DIMENSIONS: Height: 250 mm; length: 150 mm; width: 295 mm

WEIGHT: 6 kg

SKI JUMP

DIMENSIONS: Height: 55 mm; length: 170 mm; width: 295 mm

WEIGHT: 2 kg

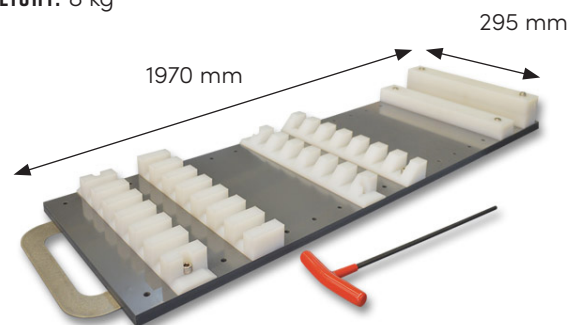


ENERGY DISSIPATION (FC300E3)

APRON WITH ALL BLOCKS

DIMENSIONS: Height: 75 mm; width: 295 mm; length: 1970 mm

WEIGHT: 8 kg



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FC300 FLUME ANCILLARIES (DATASHEET 4 OF 6)

SIPHON SPILLWAY (FC300L)

SIPHON

DIMENSIONS: Height: 400mm; width: 420 mm;
depth: 298 mm

WEIGHT: 11 kg

CLAMP (FOLDED)

DIMENSIONS: Length: 430 mm; width: 80 mm; depth 70 mm

WEIGHT: 4 kg

SELF-REGULATING SIPHON (FC300L2)

SIPHON

DIMENSIONS: Height: 400 mm; width: 420 mm;
depth: 298 mm

WEIGHT: 11 kg

CLAMP (FOLDED)

DIMENSIONS: Length: 430mm; width: 80 mm; depth 70 mm

WEIGHT: 4 kg

OPERATING CONDITIONS

OPERATING ENVIRONMENT:

Laboratory

STORAGE TEMPERATURE RANGE:

-25°C to +55°C (when packed for transport)

OPERATING TEMPERATURE RANGE: +5°C to +40°C

OPERATING RELATIVE HUMIDITY RANGE:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

RECOMMENDED ANCILLARIES

FOR OGEE WEIR WITH TAPPINGS (FC300E2)

- Manometer (FC300w)

OR

- 32 Way Pressure Display (FCA1)

