

# Main drainage grate

*Customised for each project*



The grate includes several functions that must be adapted to the water flow, fish sizes, tank dimensions, etc. The weight and external dimensions will vary according to size/capacities. The main drainage grate is preferably mounted on a concrete structure and preferably in front of the drum filter in the drainage tank for waste-water treatment. It consists of a grate with an actuator-controlled flushing and brushing system for efficient washing/cleaning.



## **BENEFITS:**

- Designed so that fish cannot under any circumstances pass through the grate.
- Designed for the maximum flow capacity of the drainage pipe.
- Installed with a gap adapted to the size of the smallest fish that could enter the drainage pipe.
- Often this grate is adapted to the largest tanks since the smallest fish have a separate secondary trap further up in the system.
- Equipped with extra slot for the insertion of a “reserve grate” for use during inspection, maintenance, etc.



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AQUA

# Main drainage grate

## COMPONENTS

### 1. Grate / screen plate

- Acid-resistant grate / screen plate with gap openings dimensioned for the smallest fish in accordance with NS 9416:2013
- Maximum clearance between runners and grate / screen plate is the same as the gap openings in grate / screen plate

### 2. Runners

- Acid-resistant profile with three slots for:
  - a) Flushing and brushing system
  - b) Grate / screen plate
  - c) Extra slot for inserting a temporary grate/barrier when replacing/maintaining the current grate / screen plate.

### 3. Flushing and brushing system

- Acid-resistant frame with attached spray tube and brushes for cleaning the grate / screen plate

### 4. Connection point for water

- Acid-resistant pipe fittings for water connection

### 5. Actuator with bracket

- CON35 actuator. Acid-resistant, IP class 68
- Bracket for actuator

### 6. Mount/bracing for actuator bracket

- Acid-resistant mount/bracing for actuator bracket
- Customised for each installation

### 7. Wall brackets for runners

- Acid-resistant angle bars that are fastened with expansion bolts

