

### 3 MODELS OF FILTERS OFFERED



Filter with tank



Filter with frame



Filter with input by pipe



Filters with tanks and pipe inlets are equipped with an internal safety overflow (weir)

### OPERATING SYSTEM OF THE FAIVRE AUTOMATIC CLEANING DRUM FILTER

The operating system is simple. The water to be filtered is directed into a rotating drum. The outer surface of the drum is manufactured with a number of stainless steel plates covered with stainless steel (or Nylon) mesh plates. Suspended solids larger than the perforations are unable to pass through the mesh and thus, are retained in the drum.

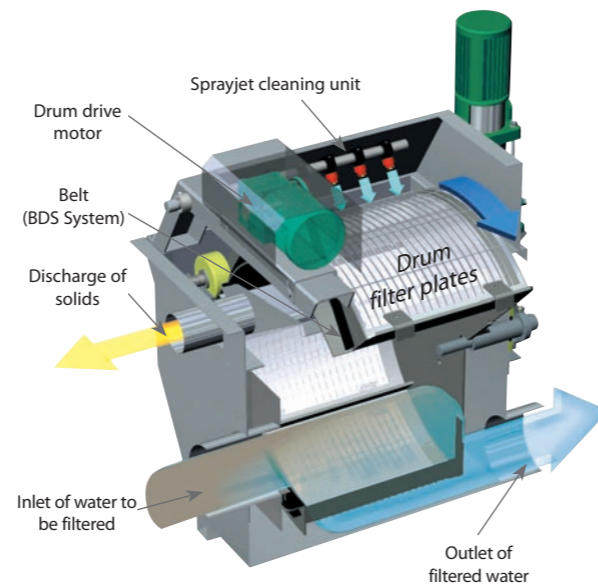
The slowly rotating drum separates the solids from the water and discharges the solids through a discharge channel located at the top of the drum as indicated on sketch.

FAIVRE filters are designed to resist to all corrosion, due to their construction entirely of stainless steel type AISI 304L for fresh water, and type AISI 316L for salt water.

All parts of the filter have been engineered and calibrated for their specific duty. FAIVRE drum filters are manufactured with less moving parts as possible. The drum is driven by belts so as maintenance is reduced to a minimum.

The efficiency of the design is contained within the construction of the stainless filter plates which are integrated into a strong stainless steel framework. Replacement of filter-plates is operated in a few minutes due to the exclusive design. The filter plates are easily cleaned and replaced on the drum.

FAIVRE offers a complete range of efficient filters, strongly made and economic to operate.



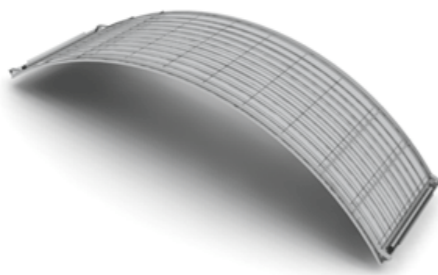
# AUTOMATIC CLEANING DRUM FILTERS



FAIVRE presents a whole range of automatic cleaning Drum Filters capable of handling all effluents at an economic cost using a highly efficient robust design. This range of filters has many varied utilisations i.e. fish farming, and in the agro feeds industry, or in water cleaning applications.



www.faivre.fr



**Stainless steel mesh available as standard :**  
25µ, 35µ, 63µ, 80µ, 100µ et 120µ

### Drum filters 40, 60 & 80 serie

**DRUM FILTER ROTOCLEAN 40, 60 & 80 cm Ø**  
flow rate up to 486 m<sup>3</sup> /h at 100 µ.

The 40, 60 & 80 models are compact filters designed specifically for closed circuit of fish farm installations, hatchery or laboratory.

The 60 and 80 series are available in the 3 configurations : frame, tank, pipe

### Drum filters 120 serie

**DRUM FILTER ROTOCLEAN 120cm Ø**  
flow rate up to 760 m<sup>3</sup>/h at 100 µ.

The 120 series is available in the 3 configurations : frame, tank, pipe

### Drum filters 160 serie

**DRUM FILTER ROTOCLEAN 160 cm Ø**  
flow rate up to 2700m<sup>3</sup>/h at 100µ.

The 160 series has been designed for the fish farms where there are strict requirements for the filtration of outgoing effluent flows, large aquariums with filtration flow rate of 26µ in closed circuit.

The 160 serie is available in the 3 configurations : frame, tank, pipe

### Drum filters 200 serie

**DRUM FILTER ROTOCLEAN 200 cm Ø**  
flow rate up to 3240m<sup>3</sup>/h at 100µ.

The 200 series has been designed for huge fish farms where there are strict requirements for the filtration of outgoing effluent flows, large recirculation system.



Model 2-40 tank

Model 2-60 tank

Modèle 4-80 on frame pipe inlet

Model 9-120 pipe inlet

Drum filter 12-160 with tank

Drum filter 40-200 with stainless steel frame



Model 2-40 with 36µ mesh on recirculation system.



Model 4-80 with 36µ mesh on recirculation system.



Model 9-120 with frame (outlet fish farm)



View on 2 filters 32-160 with frame in sturgeon farm



View on 2 filters 28-160 with frame in outlet fish farm



**SWITCH BOX :**  
The switch box is delivered connected at the filter with 10 meters of cable.  
- IP 55 sealed galvanized steel with reinforced anti corrosive coating switch box



**CONNECTORS :**  
Easy installation all cables are supply with IP 68 Connectors



**GRUNDFOS PUMP CRTYPE :**  
Vertical stainless steel pump, positioned on the side of the filter, uses the water filtered to clean the screens