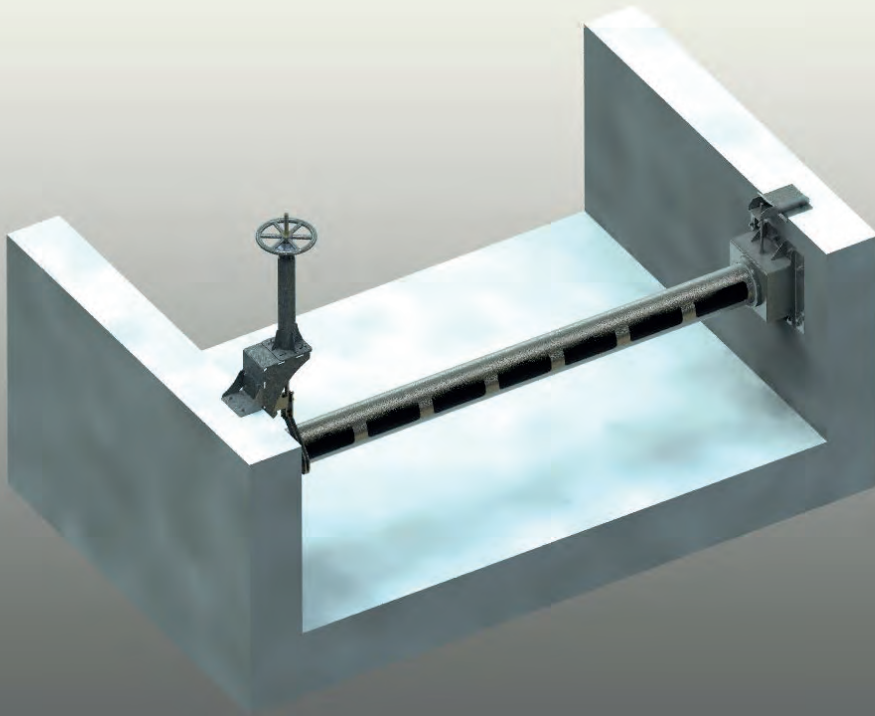




## OIL-FOAM REMOVAL WEIRS



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# OIL-FOAM REMOVAL WEIRS

## *General Description and Intended Use*

It is used to separate foam which may possible accumulate on pool surfaces in wastewater plants or industrial plants or oil, dirt etc. contaminants on the water surface from the system.

These systems are used in square or rectangular pools, dissolved air flotation pools or other process pools with surface waste.

## *Working Principle Of Equipment*

In general, it is manually operated with the handwheel group. It can be also manufactured with electrical / pneumatic actuator upon request of the customer. The position of the perforated parts of the oil / foam removing pipe through moving part of the handwheel group is adjusted according to the foam or oil amount on the pool surface. Since a little bit of water is taken with the foam and the oil, the pipe is cleaned. For this reason, it is one of the simplest and the most economical the dirt and other floating materials on the water surface away from the system.

Automatic operation can be obtained by using electrical / pneumatic actuator. This assembly eliminates manual operation requirement. It can be operated via local remote or SCADA / PLC system.

Generally, it consists of a foam / oil removal pipe, a handwheel, a handwheel mounting bench and a wall fixation unit.

## TECHNICAL SPECIFICATIONS

- The foam, oil etc. pollutants on the pond surface can be efficiently captured.
- It is specially designed and manufactured according to the pond size and water level.
- Generally, it is preferred in oil ponds or rectangular settling ponds in the wastewater treatment plants.
- They are long-life and low maintenance equipment since it is cleaned by the water taken with the contaminants.
- It can be manufactured with manual or electrical / pneumatic actuators according to the process.
- Sealing is provided by gasket.
- There is a level adjustment mechanism in order to level the equipment for the water.

## ACCESSORIES

- Polycarbonate Shaft
- Flywheel\*
- Protection Tube
- Intervention and Maintenance Platform\*
- Electrical Actuator\*
- Pneumatic Actuator\*
- Level Controlled Automatic Operation System\*

\* Optional accessories are defined.

## ADVANTAGES

- Compact Design in Desired Capacity and Size,
- Fast and Simple Assembling,
- Low Operation and Maintenance Costs,
- Possibility to Control and Follow the System Operation over SCADA,
- Low Energy Consumption,
- Manufactured From Corrosion Resistant Material,
- Long Operation Life,
- Resistant Design,
- Easy Transportation.

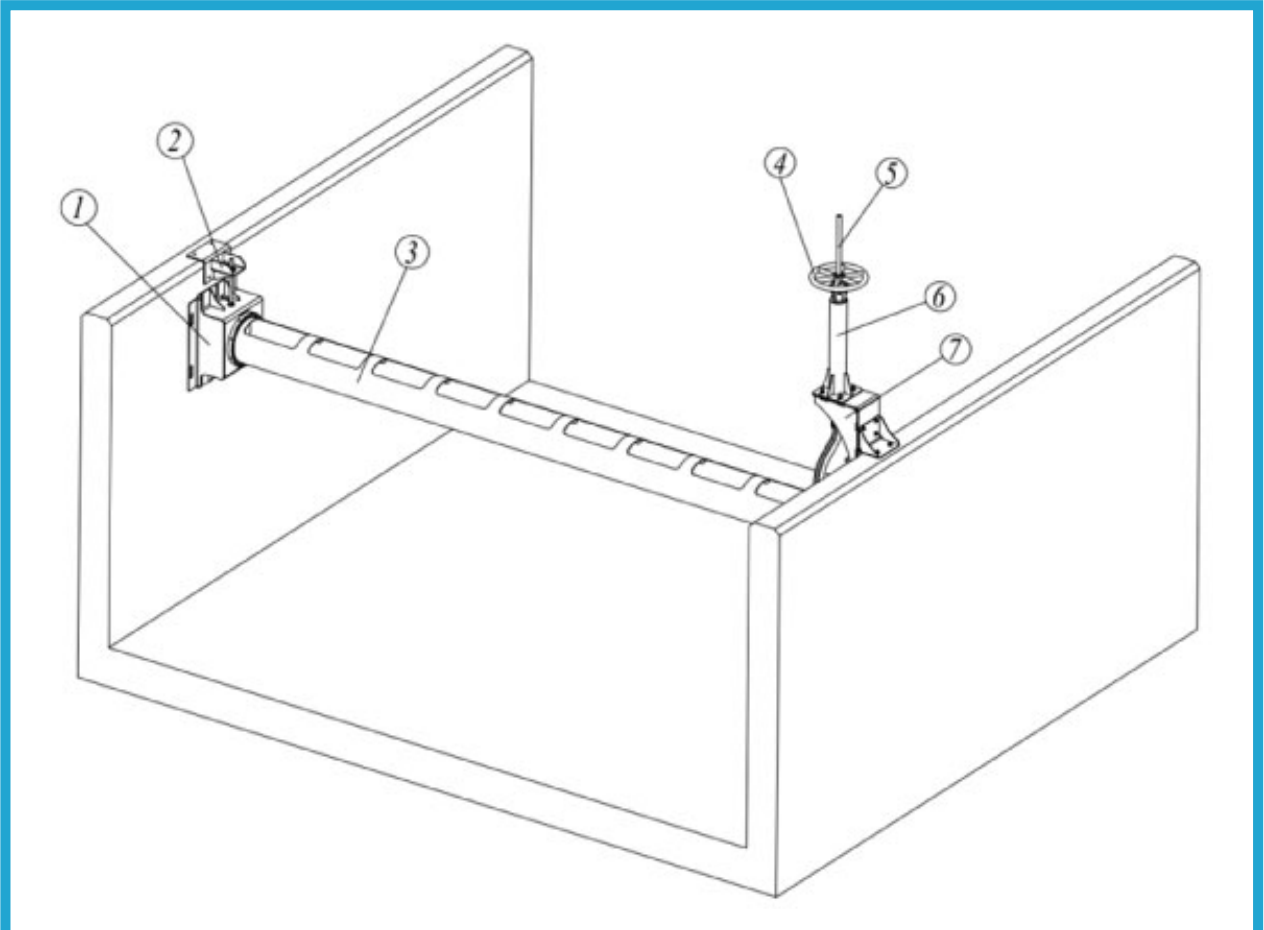


## Material Details

- Foam / Oil Removing Pipe: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Shaft: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Flywheel: They can be manufactured from 6061 Aluminum or GGG60 nodular cast iron.
- Flywheel Assembly Bench: They can be manufactured as S235JR + hot dipping galvanized coating.

"Different materials can be preferred in accordance with the request of the customer."

No	Part Name
1	Wall Connection Part
2	Level Adjustment Mechanism
3	Foam / Oil Removing Pipe
4	Handwheel
5	Shaft
6	Handwheel Connection Pipe
7	Handwheel Assembly Bench







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