

Operation

The Hubert horizontal drum screens are screen panels fitted on the outer circumference of a drum. The drum is placed in a concrete pit or tank and rotates on a stationary shaft.

The water to be filtered enters the drum radially and flows axially through the panels. The dirt particles are trapped on the outside of the mesh.

As the drum rotates, the rows of screen panels pass a set of high pressure water jets at the top of the drum. The dirt particles are washed from the screen and discharged into the debris collector(s).

Application

The Hubert drum screen is suitable for:

- cooling water filtration for power plants
- feed water filtration in desalination plant
- pre-treatment of wastewater
- pre-treatment of surface water for potable water production
- improvement of process water recirculation and recovery of product
- pre-treatment of industrial effluent

Advantages

- light, stable and robust construction
- reliable
- maintenance free
- long lifetime (30 years or more)
- resistant to abrasive water

Standard dimensions

Drum length: up to 6 m.

Diameter: up to 12 m.

Mesh opening: 0,5/10 mm.

Specific dimensions or materials on request.

