

### Very fine filtration

The Hubert micro screen is used in places where high demands are made on the purity of surface, process and recirculated water.

### Operation

The micro screen consists of a drum fitted along its outer circumference with screen panels. The drum is placed in a concrete pit or tank and rotates on a stationary hollow shaft fitted with one or more funnel-shaped debris collectors.

The water to be filtered enters the drum axially and flows radially through the panels. The dirt particles remain trapped in the mesh.

As the drum rotates, the rows of screen panels pass under a set of high pressure water jets at the top of the drum.

The dirt particles are washed from the screen and discharged through the funnel-shaped debris collector(s) and the hollow shaft.

The "clean" side of the screen compartment is fitted with an overflow weir which enables the water inside the screening chamber to be kept at a constant level. This ensures that the largest possible screening area is constantly submerged resulting in a high yield of solids.

### Application

The Hubert micro screen is suitable for:

- pre-treatment of waste water
- pre-treatment of surface water for potable water production
- 'effluent polishing' of mechanical or biological effluent treatment
- improving process water recirculation and recovery of product
- pre-treatment of industrial effluent
- feed water filtration in desalination plant
- cooling water filtration

### 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.

Drum diameter: from 0,7 up to 3,5 m.

Mesh opening: from 11 up to 500 microns.

Specific dimensions or materials on request.

