

Rotative drum filtering microsieve ROTADRUM

PRODUCTS



INTRODUCTION:

The ROTADRUM micro screen is used for the micro filtration of solids, a very robust, mono block piece of machinery, with a minimum mesh of 10 microns and maximum 1000 microns.

Due to its compact and resistant design this equipment can work without problems during 24 hours/day during long periods of time and without needing any type of maintenance.

The ROTADRUM micro screen can be supplied in the compact version or also for installation in civil works.

COMMON APPLICATIONS

- > Tertiary treatment of municipal wastewater.
- > Pre-treatment of drinking water.
- > Treatment of storm water.
- > Treatment of water from industrial processes.

MAIN ELEMENTS:

Filtering cylinders: made totally out of Stainless Steel, quality Aisi-304 or 316, this cylinder is built in a specially designed machine and this element has two side lids which support the filtering material together with a metallic framework, which is easy to dismount or adjust.

Filtering mesh of 10 to 1.000 microns made in polyester. Also available in Stainless Steel AISI 316L (from 10 to 1.000 microns).

Modular design

Easy access to the filtering cylinder from the exterior of the filter, quickly and easily.

PRODUCTS

Rotative drum filtering microsieve ROTADRUM



MAIN ELEMENTS:

Hell or frame: In strong meccano construction welded in Stainless Steel, quality Aisi-304 or 316, supplied with entrance and exit connections, anchoring legs, water-tightness elements, etc...

System for elimination of residue: This is carried out by means of a combination of water sprinklers, the rotation of the filtering cylinder and the residue conveying hopper found inside the filtering cylinder.

Operating: By means of 0 engine reducer with endless screw, of great dimensions, fixed in place by means of a reacting arm. The estimated protection in engine, minimum IP-55, insulation class F

CHARACTERISTICS:

Adequate for filtering small particles.

Ideal system for applications which recycle municipal water.

Equipment available with different diameters 0.5, 0.8, 1.2, 1.6, 2.0, 2.4 and 2.8 metres.

Automatic cleaning system with filtered pressurized water, activated with a level sensor.

Different versions and standard models which can be adapted to multiple needs.

Manufactured in Stainless Steel (A181 304 or AISI 316L) and available in other special materials depending on the application.

ADVANTAGES & BENEFITS

Wide range in solids concentration in the water to be treated.

Filtering mesh from 10 to 1.000 microns, according to application.

Equipment with production flows from 10 to 5.400 m3/h.

Compact design which requires up to 75% less implantation surface, compared with a conventional sand filter.

Low investment thanks to its compact design.

Reduced energy cost as the filtering is through gravity.

Continuous working , including in washing phase.

Very easy access to all filter elements.

Easy operating and maintenance.

