

SCREENING -
SIEVING



ENVIRODRUM

ROTARY SCREEN

FINE SEPARATION OF SOLIDS
CONTAINED IN EFFLUENTS



 Enviroscreens

DESCRIPTION / OPERATION

The rotary screens are connected to pumps outlet. Their objective is to achieve a fine separation of the waste contained in the effluent.

Originally developed for industrial and predominantly agrifood applications such as canneries and slaughterhouses, the use of this technology has been extended to pretreatment applications at sewage treatment plants.

As the effluent passes through the cylindrical grid, the waste entrained by the screen rotational movement passes through the other side of the drum. A scraper mounted on a spring and supported on the entire width of the drum, collects the waste to be collected by gravity into a container.

It is possible to integrate a screw compactor with the rotating drum, declined under the denomination Envirodrum. In this version, the collected waste is dewatered and compacted beforehand.

SCREENING

The cylindrical shaped grid consists of a wounded trapezoidal wire. The filter mesh is calibrated at the time of its manufacture.

WASHING RAMP

A high pressure washing ramp, in continuous operation, is positioned inside the drum. Thus, at each turn, a clean surface is available to the incoming effluent.

FLANGES

The machine is equipped with three flanges. One for feeding the unit at the upper part, a second one for the effluent discharge and one for the overflow outlet.

The position of the supply flange is fixed. The other two can be installed either on the right or on the left, or underneath as far as the flange is concerned.

SPECIFICITIES

- Easy installation and maintenance
- Compact and closed unit
- Proven technology
- Low maintenance costs
- Reliability and durability



MATERIAL

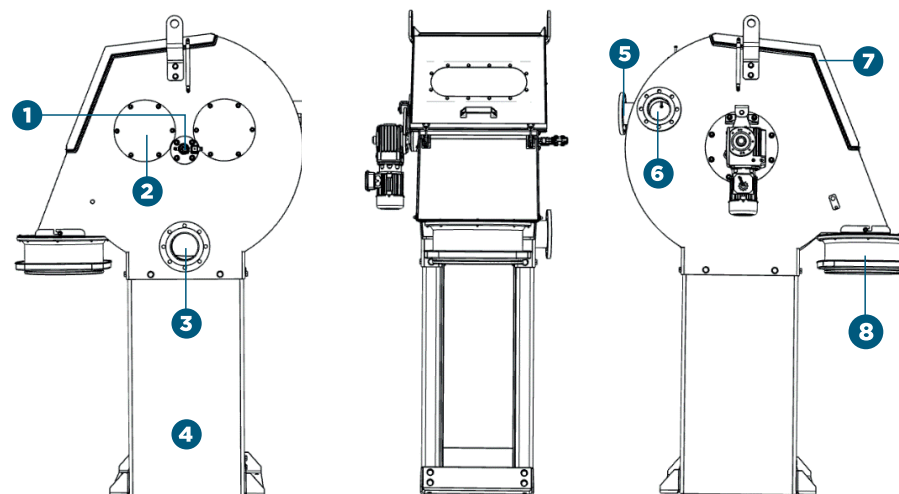
Construction in stainless steel 304L or 316L
Screw in special steel high resistance

PERFORMANCES

Mesh (mm)	Urban effluent hydraulic flow rates (m³/h)				
	Mini DMS 500 P	DMS 500 P	DMS 1000 P	DMS 1500 P	DMS 2000 P
0,5	12	35	70	105	140
0,75	15	45	90	135	180
1	18	55	110	165	220
1,5	25	75	150	225	300
2	27	80	160	240	320

LAY-OUT

- 1 Cleaning ramp
- 2 Inspection covers
- 3 Effluent outlet
- 4 Supports (optional)
- 5 Effluent inlet
- 6 By-pass
- 7 Mobile cover
- 8 Bagging unit



DIMENSIONS

Models	Overall dimensions in mm				
	Mini DMS 500 P	DMS 500 P	DMS 1000 P	DMS 1500 P	DMS 2000 P
Length	915	915	1415	1915	2415
Width	1200	1400	1400	1400	1400
Height*	1100	1300	1300	1300	1300

*Without supporting legs - Customized and adjustable supports height

A STEP AHEAD IN WATER TECHNOLOGY

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