

IN CHANNEL SHAFTLESS SCREW SCREEN

SPECIFICITIES

- > Easy installation and maintenance
- > Small footprint
- > Proven technology
- > Low maintenance costs
- > Reliability and durability



DESCRIPTION /OPERATION

The SPIRASCREEN series SRS using shaftless screw is particularly adapted to project where effluent is delivered by gravity. The unit insures screening and conveying of waste.

However, to match with specific applications or installations, it is possible to add a compacting zone for dewatering the waste (model SRS/P).

There is also a built-in tank version, for pump discharge operation (SRS/CP series).

The effluent is flowing through the filtration grid where solid waste is stopped and removed under the action of the conveying shaftless screw towards the upper part to be discharged. Up to 1000 m³/h can be processed per unit.

○ SCREENING

The effluent is processed through the cylindric filtration grid. Due to such design, the effective filtration area is much larger compare to flat screening technology. Therefore, the ratio between size/flow allows to reduce the overall dimensions of the unit. Brushes are fixed onto the shaftless screw in order to keep the filtration zone clean and flow efficient by rotation during operation.

○ CONVEYING

The screw is extended to the conveying zone and then to the compacting zone before solid waste discharge.

○ DISCHARGE

The waste is conveyed towards the upper part of the machine towards the discharge zone, the position of which is defined by the length of the conveying zone adapted to the lay-out.

○ WASHING RAMP

In order to reduce the organic content present in the solid waste, washing ramps can be installed at the screening and conveying zones.

○ WASTE

The screening waste can be either discharged directly into containers or conditioned in continuous closed plastic bagging unit.

TECHNICAL DATA

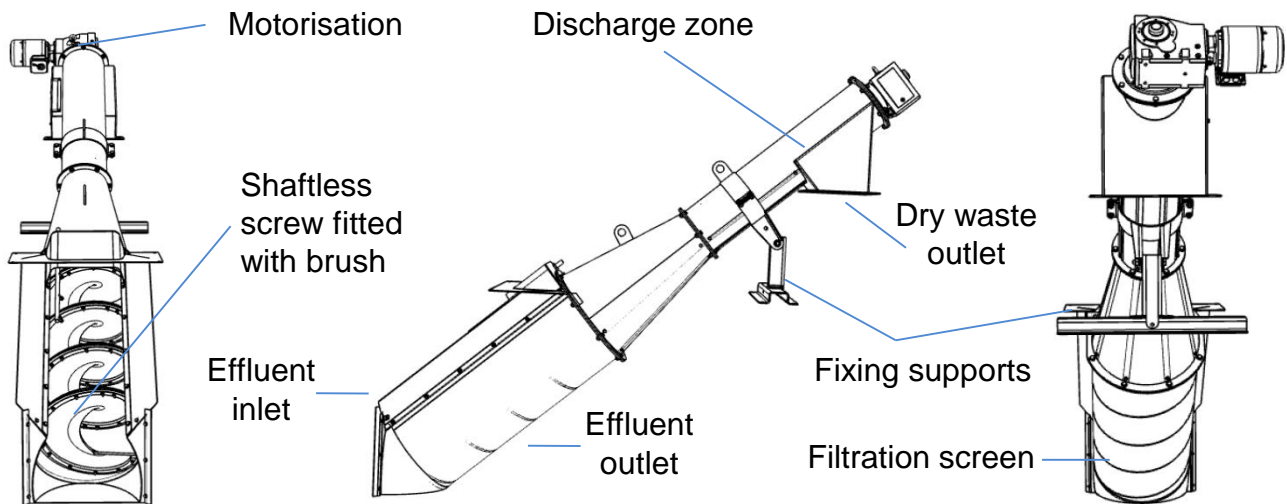
MATERIAL

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

PERFORMANCES

Mesh (mm)	Urban effluent hydraulic flow rates (m ³ /h)				
	SRS 200	SRS 300	SRS 400	SRS 500	SRS 680
0,75	38	76	121	192	359
1	47	94	149	237	443
2	68	136	215	342	638
3	55	110	174	277	517
6	68	136	215	342	638
10	84	168	266	422	788

LAY-OUT AND DIMENSIONS



Models	Overall dimensions in mm							
	SRS 200/300		SRS 400		SRS 500		SRS 680	
Dimensions	Mini	Maxi	Mini	Maxi	Mini	Maxi	Mini	Maxi
Unit length	2500	9000	3000	9000	3000	9000	3000	9000
Footprint	2048	7372	2457	7372	2457	7372	2457	7372
Height	1434	5162	1721	5162	1721	5162	1721	5162
Width	250/350		450		550		750	

All configurations not mentioned- Consult us

The manufacturer reserves the right to make technical and manufacturing modifications without prior notice.
Not all installation possibilities and combinations are indicated. Please consult us.