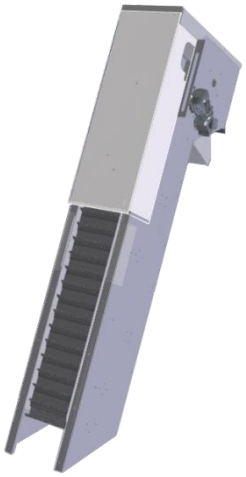
SCREENSEP

CONTINUOUS BELT FINE SCREEN

SPECIFICITIES

- Installation : Channel
- Inclined screen 60-75°
- Mesh from 1 to 20 mm
- Selfcleaning
- Discharge height up to 10 m
- Screenings discharge downstream
- Screen driven par lateral chains
- Proven technology



DESCRIPTION / OPERATION

The SCREENSEP fine screen, SCR series, are installed in channels. They fulfill the fine screening function at the inlet of a sewage treatment plant (mesh from 1 to 20 mm). In addition, they can be equipped with a fully integrated compactor for screenings dewatering (SCR/P series).

The effluent passes through the screen and deposits the suspended matter on the filter screen constituted with ABS elements, each mounted on transversal shafts .

The screen start-up is programmed periodically, and by loss of head measurement caused by the accumulation of waste on the immerged part of the screen. The rotation of the belt screen lifts the waste to the head of the unit, and is easily discharged due to the cinetic of the belt.

- **FRAME**
  The structure of the screen is made up of two lateral frame structures fitting the required channel width. For channel installation, lateral rubber bands are sealing the gap between screen and civil-work. Different widths and discharge heights are available to accommodate a wide variety of configurations.

- **FILTRATION SCREEN**
  The teeth, the shafts and the lateral chains form an integral solid assembly constituting the belt screen. Each tooth is mounted on 2 consecutive shafts. Their staggered mounting on 2 axes creates a relative movement between them and facilitates the ejection of the waste when turning over in the head area.

- **MECANISM**
  The lateral chains of the filter screen are driven by toothed wheels. The rotation of the screen in the lower part is carried out by guides.

- **WASTE**
  The screening waste can thus be unloaded in a container. They can be also transferred to a conveyor or a transversal screw compactor integrated to the unit (Version SCR/P).

TECHNICAL DATA

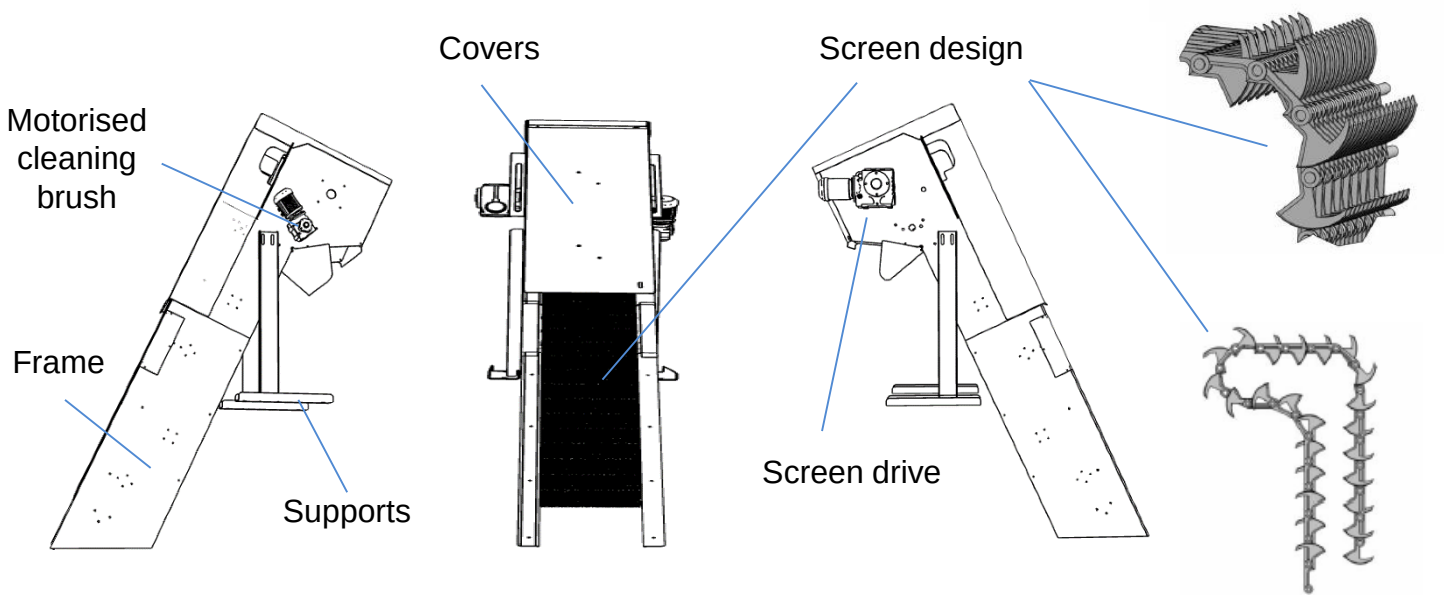
MATERIAL

- Construction in stainless steel 304L or 316L
- ABS elements

PERFORMANCES

	Hydraulic flow rates (m^3/h)					
Mesh (mm)	SCR 300	SCR 500	SCR 800	SCR 1000	SCR 1200	SCR 1500
From 1 to 20 mm	Flow rates depending of lay-out and application Up to 7500 m^3/h					

LAY-OUT AND DIMENSIONS



	Overall dimensions in mm					
Models	SCR 300	SCR 500	SCR 800	SCR 1000	SCR 1200	SCR 1500
Width	300	500	800	1000	1200	1500
Discharge height (maxi) at 60° and 6mm mesh	10000	9000	7500	4500	5500	4000
Discharge height (maxi) at 75° and 6mm mesh	9000	8000	6500	4500	5000	3500

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.