



## SELF CLEANING ROTATING BRUSH SCREENS (STAINLESS STEEL)



### **APPLICATIONS**

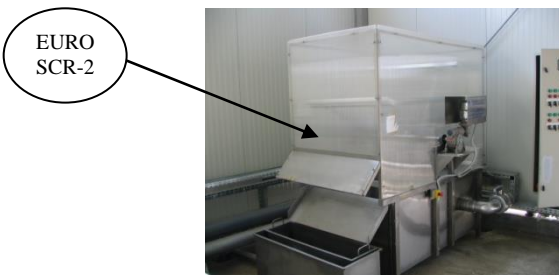
The self cleaning rotating brush screen is widely used with high efficiency in many applications such as in sewage treatment or e.g Food industry, Pulp and paper industry, Chemical Industry, Pig - Cow farms, Abattoirs, Chicken farms and slaughter houses, Wineries and tenths of other applications...

### **MODELS**

The self cleaning rotating brush screens bare hole screens, of diameters 1 – 2 - 3 mm and are manufactured in two basic models, as follows :

TYPE	EURO SCR - 1	EURO SCR - 2
<i>FLOW (m<sup>3</sup>/h)*</i>	130	170
<i>TOTAL WIDTH (mm)</i>	1.100	1.100
<i>TOTAL LENGTH (mm)</i>	1.400	2.000
<i>TOTAL HEIGHT (mm)</i>	1.300	2.100
<i>BRUSH ROTATION SPEED (rpm)</i>	4	4
<i>POWER (kw)</i>	0,5	0,5

- **The above efficiencies are referring to tests with clean water and screening base of 3mm hole diameter.**



EURO SCR-2



EURO SCR-1

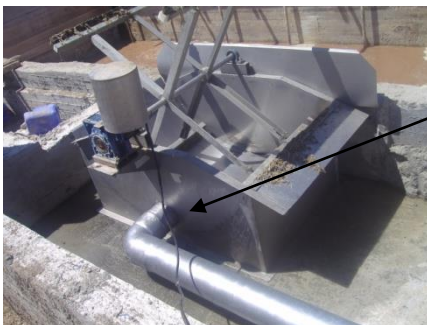
## TECHNICAL FEATURES

The self cleaning rotating brush screen, is specially designed to remove solids contained in the wastewater which may create problems to the pumping stations but also to the wastewater treatment in general. In addition, by removing these solids, the organic load of the wastewater is further decreased.

The wastewater enters the screen through the inlet flange (1), above the screen sheet.



The solids are retained there, while the liquid passing through the small openings of the screen are lead to the lower part of the screen (under the screen sheet) and from there towards the outlet of the screen (2).



The screened solids that remain on the screen sheet are scrapped continuously from the four brushes (3), which are rotating from a suitable motor. In addition the hairs of the brushes clean the screen openings continuously, so to avoid blockages.

The brush cleaning scrapper (4) helps for the cleaning of the brushes and the rejection of the screenings to their collection vessel (5).



### **PLEASE NOTE :**

The screenings collection vessel, made by stainless steel, is given optionally. The removal of the screenings may happen also with a special vessel, a transportation belt / screw or any other way.