G-Specialty Chemicals Limited, 8Ash Court, Forest Business Park,
Bardon, Coalville, Leicestershire, LE67 1UD

DRUM SCREEN









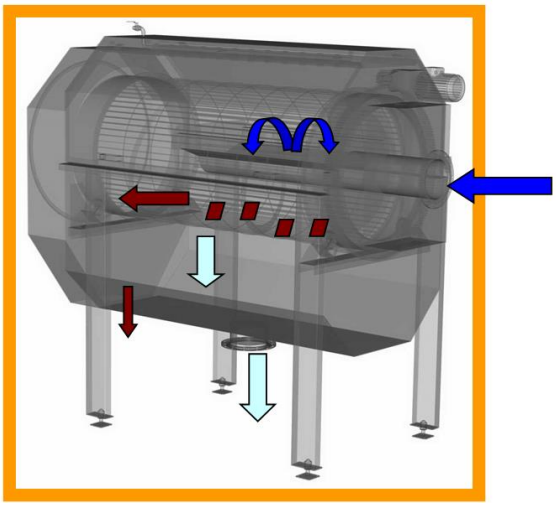
The drum screens or separators (S) are used for continuous separation of solid pollution in waste water but works on reversed principle as the rotary screen.

Use The drum screen is used to separate mechanical impurities from industrial waste water. The best results are mainly in meat and fish processing industries, canning, etc. Generally, the drum screen may be used in all the situations, where any mechanical impurities have to be cleared from liquids.

The drum screen is recommended for separation of fast settling contamination (gravel, metal particles, glass) or sticking matter (plastic, paper) or spherical objects (vegetables).

Principle of working Polluted water is transported by a pump or flows by its own gravitation into the rotating drum screen. The water flows through the slots of the screen and falls into the outlet tank, then through the pipe out of the drum screen (into the sump, sewerage). Impurities exceeding the opening size of the slot remain on the internal surface of the screen and by the rotation of the screen they are conveyed by the screw to the open side of the screen. The screenings slide down and fall into a container or onto a conveyor.

The drum screens or separators (S) are used for continuous separation of solid pollution in waste water, but works on reversed principle as the rotary screen.





G-Specialty Chemicals Limited, 8Ash Court, Forest Business Park,
Bardon, Coalville, Leicestershire, LE67 1UD

DRUM SCREEN





Drum screen main parts

Frame and outlet tank - Frame is made of the profile 50x50mm and creates an integral with the outlet tank. Outlet tank collects the pre-treated water and provide the outlet through the pipe.

Drum screen - A cylinder created by winding a wire of trapezoidal profile, with a space between the threads. On the internal surface there is a spiral that conveys by the rotation of the drum screen the impurities out of the drum.

Gear box

Washing - A line of nozzles above the drum screen providing the rinsing slots of the screen with water (steam).

DRUM SCREENS – TECHNICAL PARAMETERS

TYPE	cylinder diameter mm	cylinder length mm	input kW	weight kg	connection flanges DN		basic dimensions mm		
					inlet	outlet	L	B	H
S 500-1500	500	1500	0,75	450	150	200	2160	950	1500
S 500-2000	500	2000	0,75	550	150	200	2900	950	1500
S 800-1500	800	1500	1,5	600	200	250	2600	1080	2300
S 800-2000	800	2000	1,5	800	200	250	3100	1080	2300
S 1200-2000	1200	2200	2,2	1200	300	350	3250	2200	2300
S 1200-2500	1200	2800	2,2	1400	300	350	3750	2200	2300

