Static Screen

MODEL SS

UltraSpan™ Static Screen is a simple, proven, highly efficient screen, designed for solid/liquid separation in municipal and industrial applications, particularly for screening fibrous and non-greasy solids. It is compact and provides high throughput.

The liquid is fed to headbox, consists of deflector to minimise the turbulence, in order to create uniform gentle overflow across the screen width. A fixed baffle across the weir directs the flow as it hits the top of screen panel. The rapid sheering maximizes solids capture and minimises screen blinding. The screenings can be flow into basket or to a screw conveyor before collected in bins. The outlet can be customed fabricated according to client requirement.

Thousands of static screen have been successfully in operation for many years in many countries across asia! The robust construction gives trouble-free operation with following advantages:-

- No moving parts, no motor
- Economical Screening Solution

SS-1800 Chicken Slaugther Wastewater

- Fast Delivery
- Long Life Span
- Only requires periodic cleaning
- No maintenance
- Low Installation Cost

Applications

MUNICIPAL
- Domestic Sewage
- Storm water screening
- Raw Intake Water

INDUSTRIAL EFFLUENTS
- Fruit and Vegetable canning
- Slaughterhouse/Abattoir
- Breweries/Dairies, Tanneries
- Fish/Meat Processing
- Pulp and Paper/Refinery
- Chemical/Pharmaceutical

SS-1800 in paper mill effluent

Standard Features

- Stainless Steel 304 material
- Flow distribution baffle maximizes solids capture
- Pivoting screen panel allows easy clean-up
- Flange Connection

Options

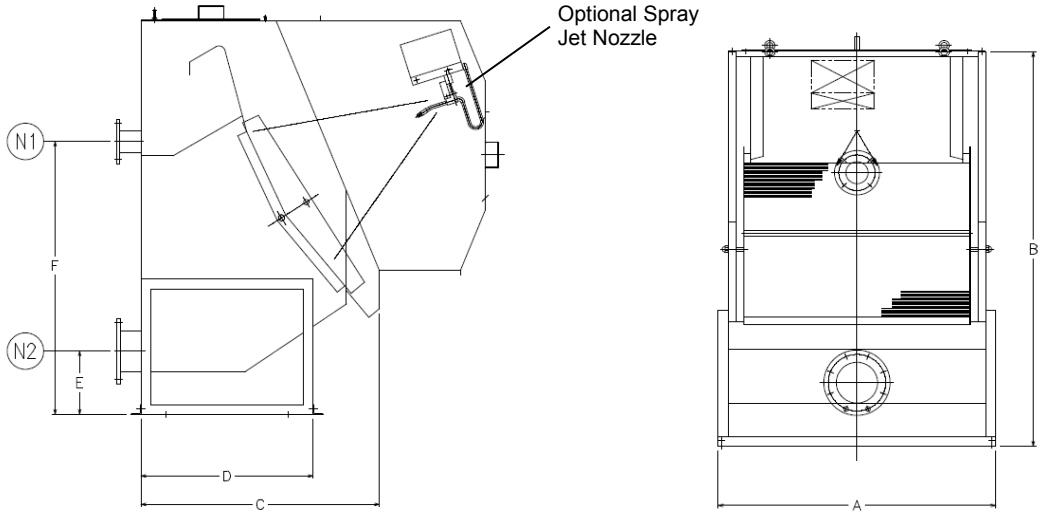
- Stainless Steel 316
- Spray Jet Nozzles facilitates continuous cleaning
- Front cover to reduce spray aerosol

MODEL AND CAPACITY

Type of Feed Water	Slot Size (mm)			SS-300	SS-600	SS-900	SS-1200	SS-1500	SS-1800
Pulp Recovery	0.15	0.2	0.3	5 - 10	15 - 20	20 - 30	30 - 45	35 - 55	45 - 65
Textile Dyeing Effluent	0.5	0.75		10 - 15	25 - 35	40 - 50	55 - 70	70 - 90	85 - 110
Laundry Effluent	0.5	0.75		10 - 15	25 - 35	40 - 50	55 - 70	70 - 90	85 - 110
Fruit/Vegetable Effluent	0.5	0.75	1.0	10 - 20	25 - 40	40 - 55	55 -75	70 - 95	85 - 115
Paper Mill Effluent	0.75	1.0	1.5	10 - 20	25 - 40	40 - 55	55 -75	70 - 95	85 - 115
Fish Processing Effluent	0.75	1.0	1.5	10 - 20	25 - 40	40 - 55	55 -75	70 - 95	85 - 115
Chicken Slaughtering Effluent	0.75	1.0	1.5	15 - 20	30 - 40	50 - 65	65 -85	85 - 110	100 - 130
Surface Water	0.75	1.0	1.5	20 - 35	50 - 65	80 - 100	100 -135	135 - 165	160 - 200
Sewage	1.0	1.5	2.0	15 - 20	30 - 40	50 - 65	65 -85	85 - 110	100 - 130

Note: The flowrates indicate above is in m3/h and it is based on our past experience. For accuracy, we recommend to test the performance with pilot plant with difference slot sizes.

GENERAL ARRANGEMENT DIAGRAM



Model	A	B	C	D	E	F	N1 (Dia)	N2 (Dia)	Dry Wt (kg)	Qty Spray Nozzle
SS-300	510	1600	970	700	235	1090	50	100	100	1
SS-600	810	1600	970	700	245	1105	65	150	130	1
SS-900	1110	1600	970	700	260	1110	80	150	160	1
SS-1200	1430	1800	1050	800	285	1320	100	200	200	2
SS-1500	1730	1800	1050	800	310	1335	150	250	240	2
SS-1800	2030	1800	1050	800	335	1350	150	300	280	2
SS-2100	2330	1800	1050	800	335	1350	150	300	320	3
SS-2400	2630	1800	1050	800	335	1350	150	300	400	3
SS-2700	2930	1800	1050	800	335	1350	150	300	500	4
SS-3000	3260	1800	1050	800	335	1350	150	300	600	4

Note: All data are approximate and are subject to changed without prior notice. Inlet (N1) and outlet (N2) dimensions are nominal pipe size. All indicated sizes are in mm.

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