

EcoSieve™

External-fed Rotary Drum Screen

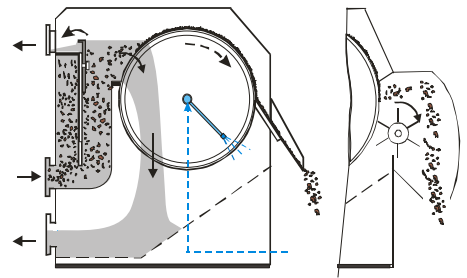
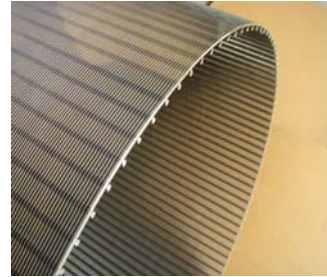
EcoLogix's EcoSieve self-cleaning triangular wedge wire screen was introduced more than 25 years ago and has evolved to become one of the most efficient and reliable rotary screens available. The EcoSieve rotary drum screen system has a heavy duty, corrosion-resistant stainless steel chassis with drum screen. There continues to be many EcoSieve screens in the market operating after ten or more years of service.



EcoSieve offering the following benefits:

- Triangular(V-shaped) wedge wire screen design
- Built-in overflow protection
- Separating and Self-Cleaning same step
- Internal spray bar design
- Wide range of industrial applications
- Low capital and operation cost
- Provide long years and trouble-free service.
- Automatic operation, requires little operator attention

Rotation blade available

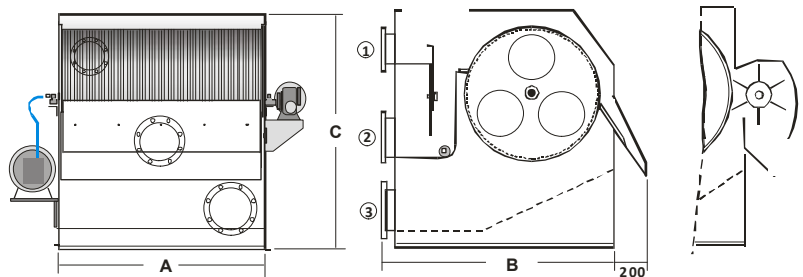


Operation

Influent enters through a U-style head box where high flow velocities are minimized. The influent, with suspended solids, flows under a baffle and then upward and is evenly distributed across the length of the screen cylinder. The screen is constructed of stainless steel wedge wire which can effectively handle grease, discrete solids without blinding. The nature action of wastewater cascading through the screen creates a powerful backwash which results in a continuously clean screen surface. Solids captured on the face of the screen are removed by a tensioned doctor blade or rotation rigid-rubber blade. An internal water spray bar system to clean the screen. The spray bar is located within inches of the inside cylinder surface to insure maximum cleaning efficiency.

Applications

- Poultry, meat and seafood processing
- Fruit and vegetables processing
- Snack and frozen food processing
- Brewing and winemaking processing
- Chemical processing
- Municipal waste treatment plant
- Industrial waste treatment plant
- Tanning industrial processing



EcoSieve Dimensions and Technical Data

Screen opening								Dimensions(cm)			Drive motor	Flange type (#100)			Shipping weight
(mm)	0.25	0.50	0.75	1.00	1.50	2.50	3.00					①	②	③	
Model	Flow Capacity, m ³ /hr (*)							A	B	C	Hp	①	②	③	kgs
RS 625-12	29	50	68	86	107	125	148	36	132	121	0.5	4	4	6	250
RS 625-24	59	103	138	172	217	251	301	66	132	121	0.5	4	6	8	450
RS 625-36	86	154	205	253	324	379	452	97	132	121	1.0	6	8	10	700
RS 625-48	112	201	270	334	430	502	599	127	132	121	1.0	8	10	12	960
RS 625-72	181	301	420	510	657	754	906	188	132	121	2.0	10x2	10x2	12x2	1450

■ Dimensions subject to change without notices ■ Screen and Construction: SUS 304, SUS 316 available as option

(*)Theoretical: Calculated with clean water