

# Hydroscreen<sup>®</sup> Static Screen

## Liquid & solid separation

The Hydroscreen<sup>®</sup> unit is a proven, reliable performer for liquid/solid separation in municipal and industrial applications, particularly for screening fibrous and non-greasy solids. There are no moving parts, motors, or complicated connections. The Hydroscreen is simple and economical to operate.

The Hydroscreen<sup>®</sup> is designed with custom features to meet site requirements, and is compact while providing high throughput. There are headbox options, including deep flat and shallow tapered designs to accommodate solids loading. A swinging baffle across the weir directs the flow for the most efficient screen operation.

The Hydroscreen unit's unique bi-wave wedgewire screen panel, with double downward curves, increases the Coanda effect by rapidly stripping liquid from the influent as it hits the top of the screen panel. The rapid shearing maximizes solids capture and minimizes screen blinding.

Additional drainage occurs as the solids captured by the screen roll down the curved screen face. At the end of the screen panel is a drip lip that directs the drained liquid away from the solids and returns it to the filtrate chamber.

## Ideal for a multitude of liquid/solid separation applications

### Food Processing

- Washwater
- By-product recovery
- Plant effluent
- Flume water

### Textiles

- Fibrous solids removal

### Chemical Processing

- Organic and inorganic slurries

### Municipal

- Primary treatment
- Grit dewatering

### Pulp and Paper

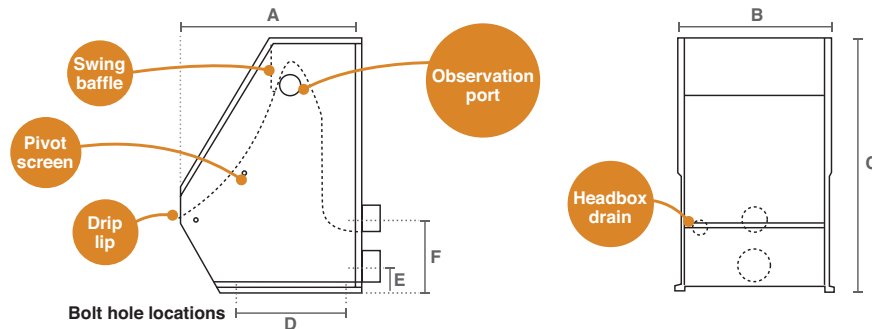
- Whitewater
- Broke thickening
- Mill effluent
- Log flume and debarking
- Screen rejects
- Fiber recovery
- De-ink washing
- Cleaner rejects
- Pulping
- Chip washing

## Options

- Doors and covers
- Headboxes
- Discharge chute
- Custom-designed headbox to optimize operating conditions
- Spray systems (only on 72" models)

## Standard Features

- Unique bi-wave screen panel
- Drip lip promotes drier solids
- Available in 304 or 316 stainless steel
- Flow distribution baffle maximizes solids capture
- Pivoting screen panel on 24", 48", 72" and 120" wide models facilitates maintenance and clean-up



Model	A Inches	B Inches	C Inches	D Inches	E Inches	F Inches	Inlet Dia.*	Outlet Dia.*	Dry WT. (Lbs.)	Operating Wt. (Lbs)
HS-18	40 7/8	19 1/2	61	27	6	-	Top feed	6	200	520
HS-36	40 7/8	37 1/2	61	27	7	-	Top feed	8	800	3100
HS-48	60	51	84	40 3/4	9 1/16	24 13/16	8	10	800	3100
HS-72	60	75	84	40 3/4	10 1/16	28 1/2	10	12	1200	4910
HS-120	60	124	84	40 3/4	11 11/16	42 1/2	(2)10	16	2000	8575



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