

# CURVE SCREEN



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## TECHNICAL DESCRIPTION BARAN™ CURVE SCREEN

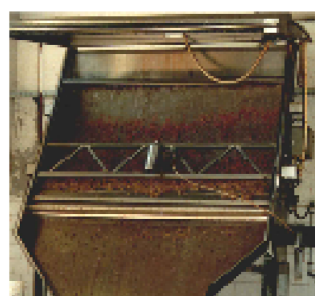
Baran's Curve (sieve/bend) Screen (BCS) is made of high quality SS316L or SS304L. Curve screens are stationary Wedge wire or V-Wire screens and sometimes called Bend or Sieve screens. They are applied for separating solids from liquid of process and wastewater. The broad base of the wedge is at the outside. The slot width is therefore the smallest on the outside of the screen. Profile Wire screen offers continuous slot openings that widen inwardly so that particles tend to pass through the screen and reduce clogging.



The slurry (solid + liquid) enters tangentially at the top of the screen (by means of atmospheric pressure) and spreads out over the curved screen surface. The separated coarse or solid slide down due to gravity and the screened water is evacuated from the outlet. The filter surface consists of curved wedge wire screen which is optionally cleaned by the water nozzle and pneumatic up and down moving cylinder. Automatic cleaning is achieved by a reverse curve in the path which causes the wires to retract and to be wiped clean.

## APPLICATION

- Brewing Processing
- Chemical Processing
- Pulp & Paper Industries
- Glass Making Industries
- Fruit & Vegetables Processing
- Corn & wheat starch Processing
- Chips, Snack Frozen Food Processing
- Municipal & Industrial Waste Water Treatment Plant
- Slaughterhouse , Poultry ,Meat and Seafood Processing

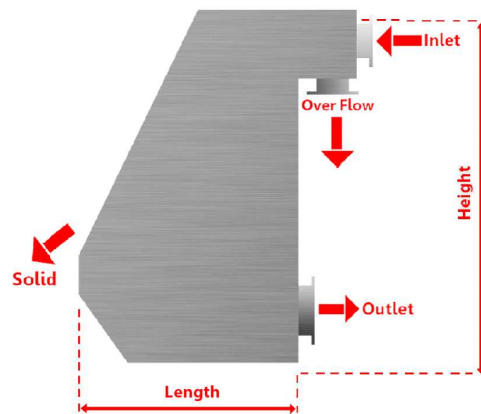




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### BARAN CURVE SCREEN FEATURES

- No electrical power consumption.
- An overflow weir is installed to adjust the capacity.
- Humidity of solids will be adjusted by varying the radius of screen curvature.
- Curve screens are self cleaning model which means that the slurry can be screened without any mechanical or rotary equipment.



### TECHNICAL DIMENSIONS OF BARAN SCREEN

Model	Screen Slot (mm)							Dimension (mm)			Inlet (Inch)	Outlet (Inch)	Overflow (Inch)
	0.3	0.5	0.75	1	1.5	2.5	3	Width	Length	Height			
	Clean Water Capacity (m <sup>3</sup> /hr)												
BCS-612	6	15	29	43	45	45	45	600	1000	1200	4	6	4
BCS-1218	13	33	65	102	110	110	110	1200	1000	1800	6	8	4
BCS-1824	37	92	110	110	115	120	120	1800	1000	2400	8	10	4

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