

Technical Description Of BARAN™ Rotary Drum Screen

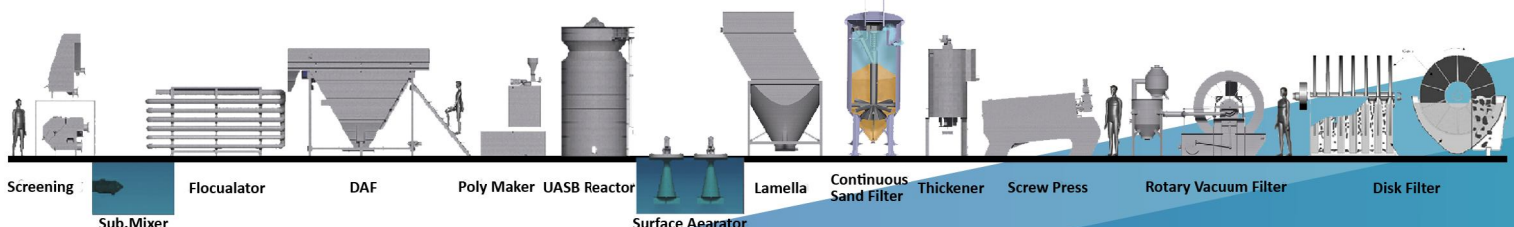
BARAN™ Rotary Drum Screen (BDS) is a self cleaning unit made of stainless steel AISI 304L or 316L . The V-Wire screen technology is in a spiral form to obtain the screening drum. The broad base of the wedge is at the outside. The slot width is therefore the smallest on the outside of the screen. In this way clogging risk of the slots is reduced to a minimum.



Water enters the screen at the outside of the drum. Particles larger than the slot width are retained on the drum, scraped off and discharged through a gutter. Water flows into the drum from the top and leaves the drum at the bottom. Any remaining particles, after screening, will be picked up by the water leaving the screen.

Applications

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

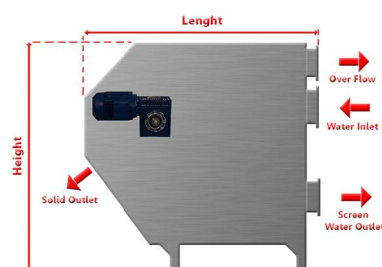




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BARAN™ Rotary Drum Screen Features

- An overflow weir is installed in the inlet compartment to protect the screen from excessive water flow (capacity adjustment).
- Featured with double knife blade scraper. The second blade cleans the first one.
- For time-controlled cleaning purpose a high pressure jet spray is installed in the drum.
- A pipe provided with spray nozzles is installed axially into the drum.
- An automatic self-cleaning cycle is installed in the control panel to activate the booster pump and automatic valve to transfer water from water supply to the spray nozzles.
- A Hollow shaft Gear is installed on the drum by a torque arm link.
- Humidity of solid is adjusted by a drum variable speed controller.



Technical Dimensions Of BARAN™ Rotary Drum Screen

Model	Screen Slot (mm)							Dimension (mm)			Inlet (inch)	Outlet (inch)	OverFlow (inch)	Power (kw)
	0.3	0.5	0.75	1.00	1.5	2.5	3.00							
	Clean Water Capacity (m ³ /hr)							Width	Length	Height				
BDS-670	10	25	50	79	92	95	110	750	1150	1200	6	6	4	0.75
BDS-690	15	39	70	88	92	95	110	1000	1150	1200	6	6	4	1.1
BDS-610	22	52	70	88	92	95	110	1250	1150	1200	6	8	4	1.1
BDS-614	30	60	70	88	92	95	110	1500	1150	1200	8	10	4	1.5

Note:

Flows specified for clean water. A reduction should be applied according to the type and amount of solids removed.

For more information and customizing application, Consult our technical department.

Tajhiz Sanat Baran Co. Filtration & Separation



No. 7 - 3rd Narges Ave. - Azadi Blvd
Shams Abad Industrial Park - Tehran/Iran



www.baran-eet.com



+989224869565



(+98) 21 56901064 ,74

(+98) 21 56901079



(+98) 21 56901098



info@baran-eet.com