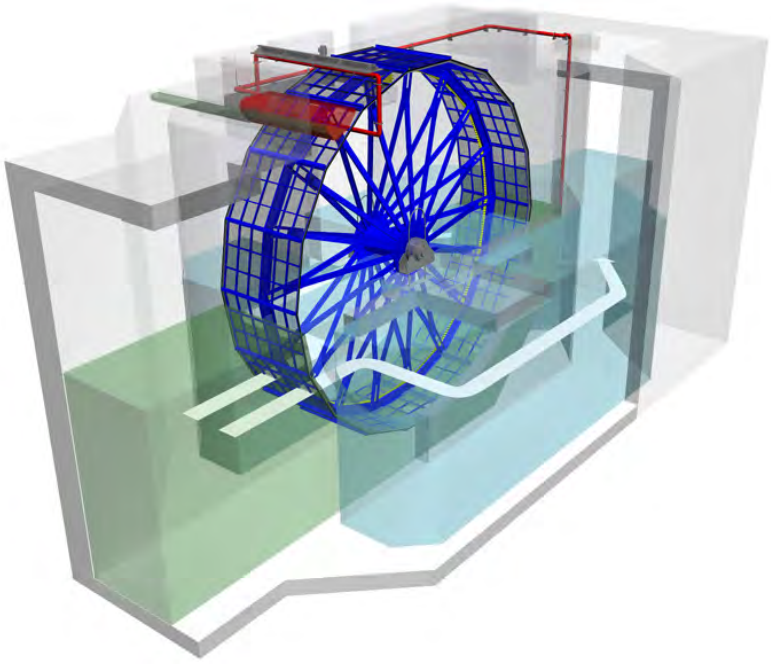
Drum Screens



Benefits

- Backed by more than 85 years experience in drum screen design and manufacturing
- More than 523 units installed in 37 countries
- Reliable
- Low maintenance
- Fully customizable

Advantages

- Time-proven: 106 units have been installed in nuclear power plants around the world since 1957
- Beaudrey drum screens have the fewest moving parts and least maintenance of any intake screen on the market
- High debris-handling capacity with no carryover and low operational head loss (from 3 cm to 25 cm during normal operation)
- Custom designed to suit each unique application: Flow pattern can either be outside-to-inside or the reverse and one or two wheelsare available depending on the width of the screen
- Our high quality construction and design ensures that no oil or grease will spill into the water
- Designed so that any Beaudrey fish protection system can be used in conjunction making our drum screen well suited for water life safety
- NoCling™ anti-fiber screening panels included to account for water with high fibrous content
- Designed to meet seismic qualifications
- Beaudrey drum screens are installed in the cooling water intake systems of EPR nuclear reactors

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Description

Beaudrey drum screens are typically installed in cooling water intake systems downstream from trash rakes or coarse bar screens, and before circulating water pumps. Their main function is to remove process water debris before the circulating water is distributed to plant components.

All drums are equipped with Beaudrey's patented NoCling™ anti-fiber panels, self-cleaning spray nozzles and seize proof split-line bearings. They are capable of processing a wide variety of debris including: leaves, sticks, grass, trash, shells, seaweed, plastic, etc.

These screens can also be equipped with Beaudrey's proven Scoop-a-Fish™ recovery system making them ideal for fish protection during the intake process. The Scoop-a-Fish™ system uses a pump to gently direct aquatic life that are drawn onto the screen into a pipeline that discharges past the screen. This means that fish will not be impinged or entrained, nor will they ever leave the water while being redirected.

Field of Application

Cooling water screening, industrial intake plants, irrigation, water supply, pre-treatment of urban or industrial sewage water

Materials

Painted carbon steel with stainless steel accessories, or complete stainless steel construction (304L, 316L, Duplex or Super Duplex)

Size

- Widths from 1.2 m (4 ft) to 12 m (40 ft)
- Diameters from 1.5 m (5 ft) to 24 m (79 ft)

Flow Rate

Drum screens can handle from 3 600 m3/h (15,851 GPM) to 150 000 m3/h (660,450 GPM) per machine

Mesh Sizes

From 0.25 mm x 0.25 mm (1/100" x 1/100") to 12 mm x 12 mm (1/2" x 1/2")

Beaudrey will build to the specific requirements of your site.
Contact us for a quote at
www.Beaudrey.com/contact

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