Description

Travelling Band Screens are typically installed in an intake screening system. They are positioned downstream from the trash rakes or coarse bar screens and upstream of the circulating water pumps. The main function of travelling band screens is to remove the remaining small to medium sized debris from the water before the water is distributed to plant components for circulating cooling purposes. Thorough water screening is important in cooling water applications, because without it, critical plant components such as heat exchangers and pumps could be damaged. Beaudrey travelling band screens are able to operate in a variety of water types including salt water, fresh water and brackish water. The band screens are self-cleaning and have operation modes that range from fully automatic to strictly manual.

Benefits

➤ Backed by more than 90 years experience in engineering and manufacturing travelling band screens
➤ Over 1,350 units installed in 61 countries
➤ Built in self-cleaning strainer on the spray nozzle helps prevent nozzle clogging
➤ Simple maintenance compared to other screens on the market
➤ Designed to meet seismic qualifications
➤ High debris handling capabilities
➤ The dual-flow design eliminates debris carryover
➤ Modular NoCling mesh panels make it quick and cost effective to make repairs on the screening mesh aperture

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Advantages

➤ Designed for easy maintenance (easy chain tension adjustment, simple replacement of bushes, screening mesh and spray nozzles)
➤ Come installed with NoCling™ anti-fiber screens, making them useful in water that has a high fibrous content. NoCling™ panels are anti-corrosive, and weigh less than steel panels resulting in less wear on the chain and sprockets
➤ High quality construction and design ensures that no oil or grease will spill into the water
➤ All layouts of the band screen are available with full carrying structure or with rails and guides fixed to the civil works
➤ Dual-flow band screens can use an outside-to-inside flow and are the best solution for eliminating debris carryover
➤ Designed so that Beaudrey fish protection systems can be used in conjunction making the band screen well suited for water life safety
➤ Dual flow band screens have high rotation speeds of up to 20 m/min (66 ft/min)

Field of Application

Beaudrey Travelling Band Screens are used in cooling water intake systems, industrial cooling water intakes, irrigation, pretreatment of industrial or urban waste water, cooling tower outlets or for the pretreatment of drinking water

Size

• Standard widths from 1 m (3.3 ft) to 4 m (13.1 ft)
• Custom designs up to 7 m (23 ft) in width

Mesh Sizes

From 12 mm x 12 mm (1/2” x 1/2”) to 1 mm x 1 mm (3/76” x 3/76”)

Flow Rate

Up to 70 000 m³/h (308,000 GPM) per machine

Materials

• Structure can be fabricated from carbon steel or stainless steel (304L, 316L, Duplex or Super Duplex)
• NoCling™ screening mesh panels can be fabricated in corrosion resistant stainless steel or reinforced polymer

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