

CENTERFLOW BAND SCREEN



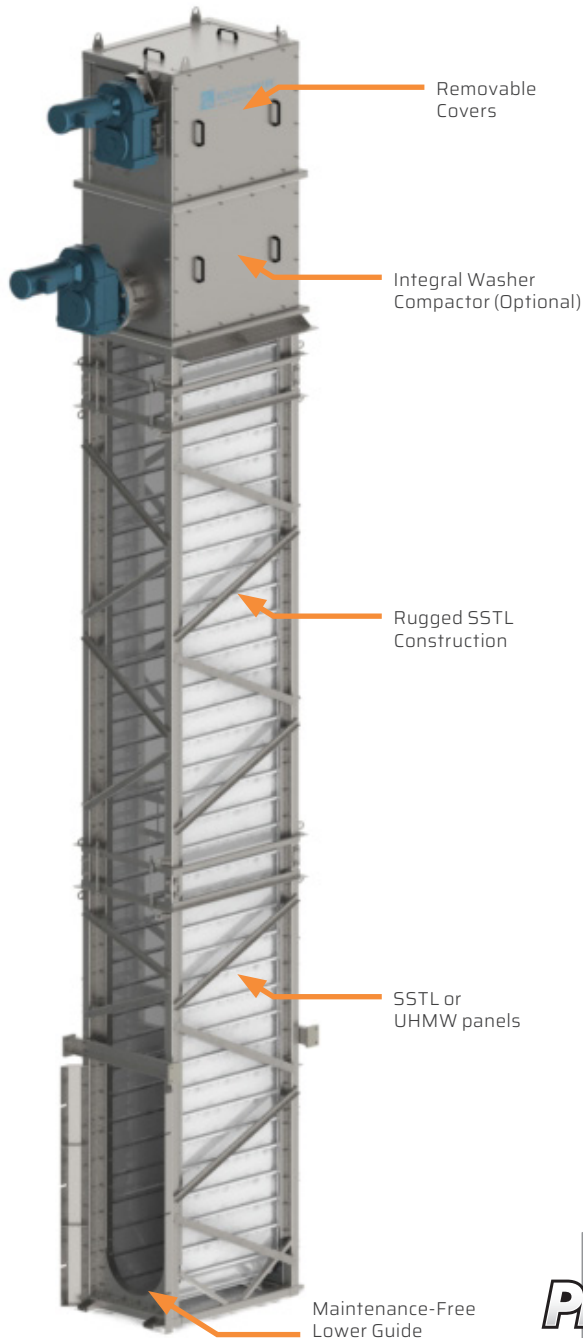
Dimensions

- Channel widths starting at 2.5'
- Panel widths from 2 - 10'
- Panels: 3mm stainless steel or 10mm non-metallic
- Standard channel depths to 40' (other depths on request)
- Filter element perforations of 2mm - 10mm are standard (other sizes on request)
- Angle of inclination: 90°

OVERVIEW

The Kusters Water ProTechtor[®] Centerflow Band Screen, with its vertical orientation, is an excellent alternative to headworks applications with limited footprint and headspace. Influent flow enters the screen in the middle of the screen frame, and is positively screened as the flow transitions from the inside and passes through the traveling perforated filter belt out the sides and bottom. Optimally spaced lifting fines are attached to filter panels to capture and elevate larger items to the internal discharge point. Screenings are washed off via spray headers and/or a combined motorized brush assembly, and are discharged to an internal flume or screenings washer compactor, which transports the screenings outside of the screen frame. The quality of the screened effluent is drastically improved which in turn improves performance and better protects downstream equipment.

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Features

- Completely enclosed
- Optional dual speed drive
- Filter panels optimally cleaned by either a brush/single spray bar arrangement or by a dual spray bar arrangement
- Allows passage of grit without malfunction
- Perforated panels resist stapling effect of fibrous material
- Optional positive sealing between filter panels (3mm and less)
- Ease of maintenance
- Indoor or outdoor installation

Materials

- Frame: 304 or 316 stainless steel
- Filter Element: 304, 316 stainless steel or non-metallic
- Chain: Roller chain 304 or 316 stainless steel
- Head shaft sprockets: Wear resistant 304 or 316 stainless steel
- Side Seals: UHMWPE
- Lower turnaround: Stainless Steel (304 or 316)
- Drive(s): Shaft mounted helical gear



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