

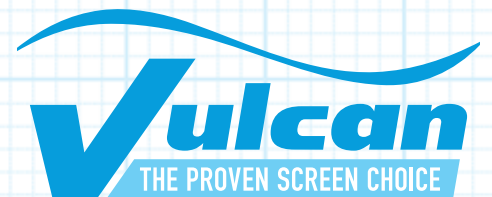


Model ESR-S Stair Screen

Product Information Guide



Find more product information at:
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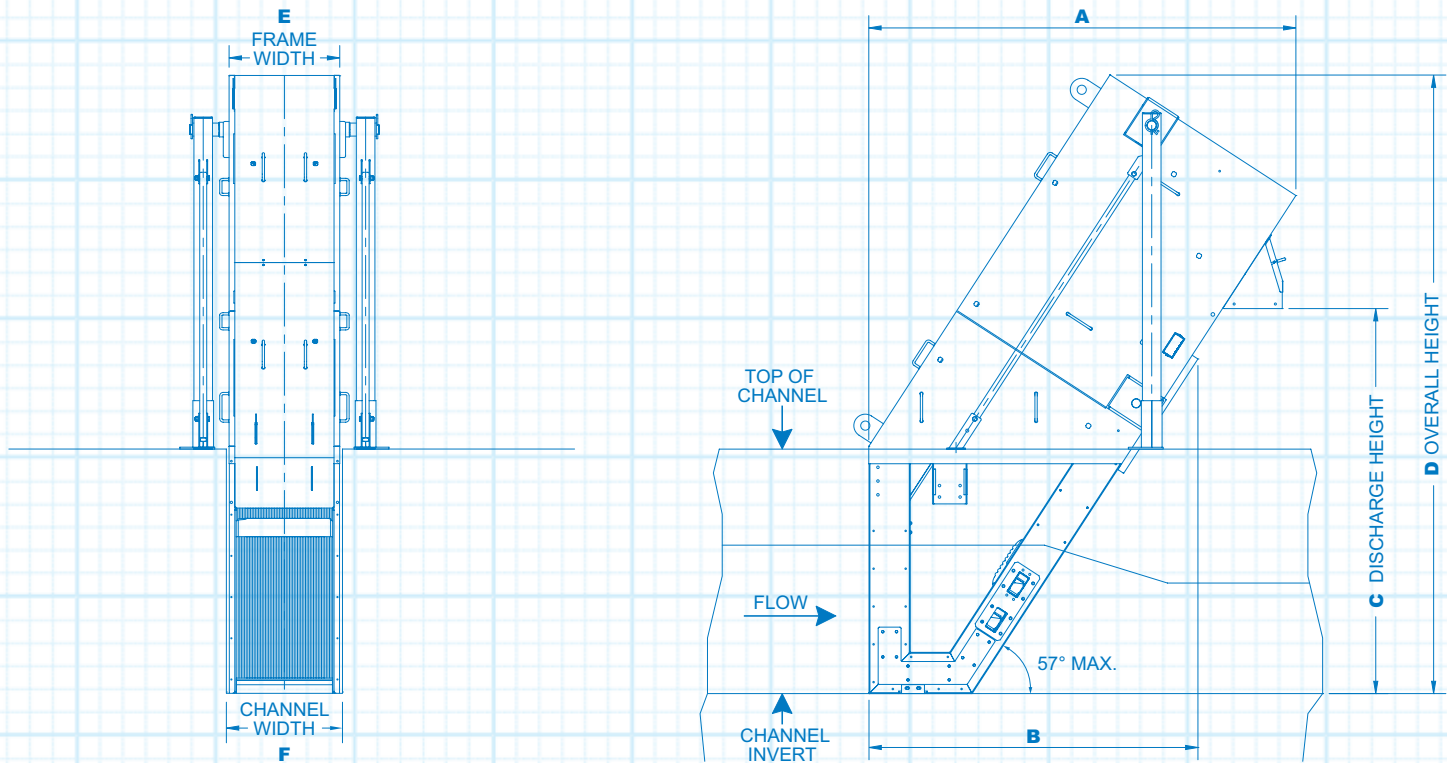


Model ESR-S Stair Screen

The **Model ESR-S Stair Screen** is an automatic, self cleaning, fine screen for primary screening or sludge screening in municipal and industrial sewage treatment installations. The screen is ideal for low flow and small channel applications. The design of the Stair Screen allows for easy installation in new and existing facilities without channel modification. With a maximum setting angle of 57°, the Stair Screen has a compact overall footprint. The screen pivots from the channel to allow for all maintenance to be accomplished at the operating floor level.

Construction

The side frames of the Stair Screen are constructed of formed stainless steel plate having a thickness of 0.16” (4 mm). The screening elements (aka lamellas) in the screening area are stainless steel. The lamellas in the transport area can be stainless steel or a corrosion resistant, UV stabilized synthetic material, depending on the overall height of the screen. The drive system consists of a gear reducer, motor, and a dual chain transmission system with automatic chain tensioning devices. To prevent corrosion, ease maintenance and ensure years of reliable service, the drive system is located completely above the maximum water level, and the gear reducer and motor are encapsulated away from the corrosive atmosphere of the channel. All moving parts of the drive system are protected by removable enclosure panels. The screen portions above the channel can be equipped with removable panels to enhance aesthetics and reduce odor.



| Type | A | B | C | D | E | F | Motor |
|---------|-------|--------|-------|--------|---------|---------|----------|
| ESR-S17 | 6'-2" | 4'-9" | 5'-6" | 8'-10" | 18"—30" | 20"—32" | 3/4—1 HP |
| ESR-S23 | 8'-5" | 5'-10" | 7' | 11'-2" | 18"—30" | 20"—32" | 1—2 HP |

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