

FLO-PerfBelt

FPB

Moving Media Belt Screen

High Flows - Low Headloss - High Capture Rate

The Flo-PerfBelt screen is installed in a wide variety of applications from water intake to various municipal and industrial wastewater applications. This screen is designed to handle high flows with low headloss and for placement in deep channels with high water levels.

The screening component is a continuous belt of individual, perforated media plates formed into V-shaped panels. Each panel is independently attached to the chain and is replaceable from the top of the channel.



The complete width of the screen panel is the active filter area.

The large amount of screen surface area on each panel promotes high capture rate and the ability to build a solids mat that attracts finer solids.

Stainless steel side seal plates prevent bypass. A UHMW seal between the chain and the side frame provides another level of bypass protection.



Dual seal system to prevent bypass.



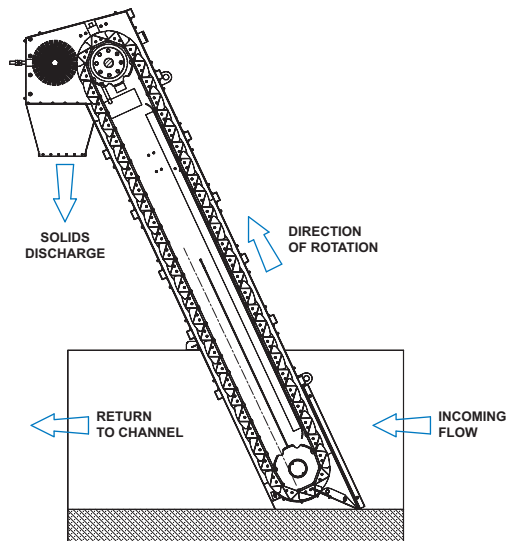
Flo-PerfBelt screen on display at WEFTEC 2013 in Chicago

Features & Benefits

- 1 Each V-shaped screen panel is replaceable without removing the screen from the channel - Designed with maintenance in mind.
- 2 Stainless steel side seal plates and UHMW chain guard - Designed to prevent bypass.
- 3 Entire width of the screen panel is the active filter area - Designed to present more screening area to the incoming flow.
- 4 Each panel builds a mat of solids as it moves out of the flow - Designed to capture finer solids.
- 5 Two high pressure, angled sprays and a rotating brush located at discharge - Designed to loosen and remove solids.



Screening mat enhances capture of fine solids.



Specifications

Screen widths	mm	500 - 2000
Flow rate/screen unit	mgd	Maximum 50
Channel width	feet	2 - 6
Screen length	feet	Maximum 30
Screen openings	Perforated plate media - mm	3 and 6
Angle of inclination	degrees	65°
Drive motor – screen	hp	5
Drive motor – cleaning brush	hp	3
Water supply – Nominal pressure	bar	3 - 5 (8 maximum)
Water Usage	l/min	40

Materials of Construction

Screen, frame, discharge chute, chain	ANSI	304 SS(316 optional)
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FLO-Products

Simply Superior Design

Enviro-Care Company of Rockford Illinois was founded in 1972 and is a privately-held headworks company supplying screens and solids/grit management equipment for wastewater treatment. Enviro-Care is the North American partner of SAVI S.r.l. of Roncoferraro

Screens

- Flo-Drum** Rotating Drum Screen for Wastewater and MBR Pre-screening
- Flo-Drum DM** Dual Drive, Heavy Solids Screen
- Flo-Sieve** Shaftless Spiral Screening, Washing, Conveying, Dewatering System
- Flo-MultiRake** Coarse and Fine Bar Screens
- Flo-MultiRake** Perforated Media Screen
- Flo-PerfBelt** Moving Media Belt Screen
- Flo-Screen** Reciprocating Rake Bar Screen
- Flo-RotoDrum** Internally-fed Rotating Drum Screen
- Flo-DrumSieve** Externally-fed Rotating Drum Screen

Italy and has the exclusive sales distribution and manufacturing license for SAVI products. SAVI was founded in 1978 and is a worldwide leader in wastewater treatment equipment with thousands of installations around the world.

Solids/Grit Management

- Flo-WashPress** Washer Compactor
- Flo-Press** Hydraulic Ram Press
- Flo-SpiralPress** Conveyor with Dewatering
- Flo-GritWash** Grit Classifier and Washer
- Flo-GritOut** Grit Classifier
- Flo-Spiral** Shaftless Spiral Conveyor

Systems

- Flo-Beast SeptageStation DM** For Heavy Solids Screening
- Flo-Beast Liquid Waste Receiving Station** With Hauler Station - Access Panel - Flo-Logic™ Software



Enviro-Care is the exclusive licensee for SAVI S.R.L. technologies in North America.

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