

Aqua Caiman[®] Vertical

In-Channel Articulating Rake Screen

The Aqua Caiman[®] Vertical screen allows our proven in-channel articulating rake screen to be used in locations requiring very steep or vertical mounting, or where additional rake engagement force for removing solids from the bar rack is desired. This mounting option can benefit clients with tight channel requirements in new or existing locations.

Parkson engineers looked at all the features of our articulating rake screen to come up with a vertical unit that is superior in design and function when compared to other early articulating rake designs. Like our original Aqua Caiman[®] screen, the vertical unit operates without any lower bearings.

The Aqua Caiman Vertical screen can be paired with the Aqua WashPress[®] to provide a complete screenings capture, washing, compaction, and transport system.



Features & Benefits

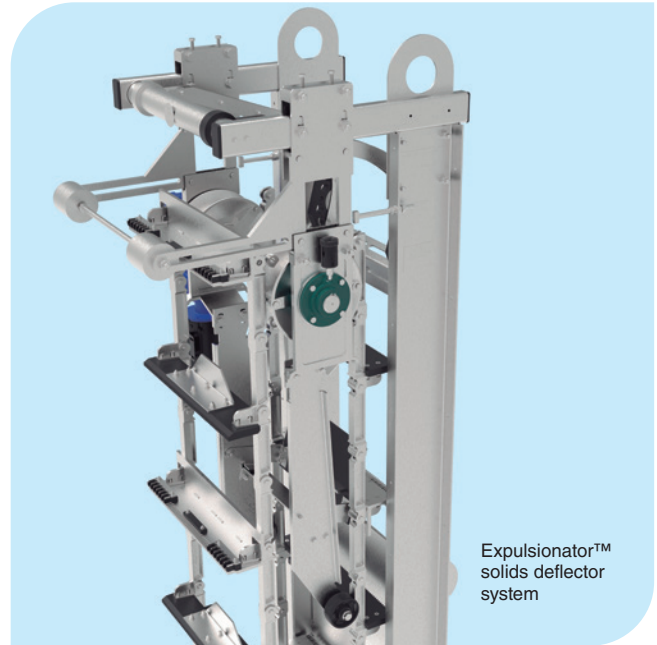
- Vertical in-channel design
- No lower bearings or sprockets
- True-Grip[™] chain retention system provides additional rake engagement
- Articulating rake operation
- Ideal for deep, tight installations
- Capable of removing large solids



Proudly made
in the USA

Aqua Caiman Vertical Screen

- Mounts vertically in new or existing channels. Saves space in tight installations.
- Ideal for deep installations, minimizing required channel length. Minimal required headroom for indoor or outdoor installations.
- Using no lower, submerged sprockets or bearings, all moving parts are accessed and serviced above the water level. Reduces operations and maintenance costs.
- Capabilities up to 50 ft. discharge utilizing heavy frame sizes and large bar profiles. Bar rack heights up to 23 ft.
- Depending upon size and application, available with tear-drop bars for 1/4" to 3/4" bar openings, and rectangular bars for 1" to 4" bar openings. Bars are individually replaceable for ease of maintenance.
- Heaviest chain link design in the industry. 1,000 lb lifting capability, ideal for heavy solids removal.



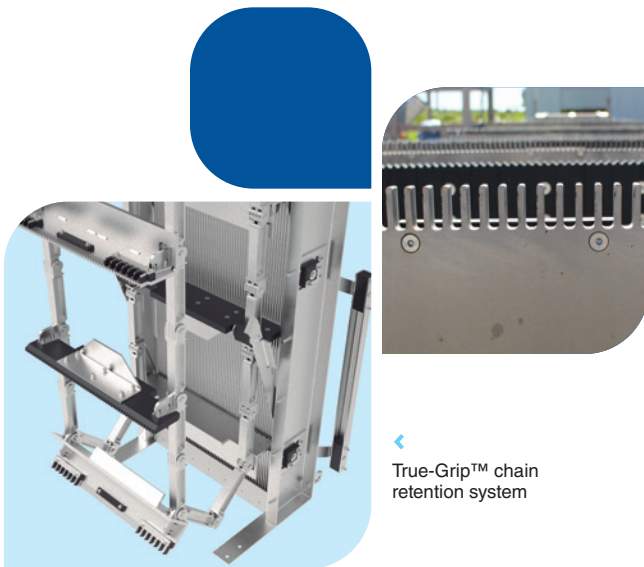
Expulsionator™
solids deflector
system

Vertical Design Components

Parkson has engineered two new unique components particularly well-suited for vertical operation of our Aqua Caiman screen.

The True-Grip™ mechanism is a unique chain retention system that keeps the rakes engaged with large solids as they travel up the bar rack. True-Grip also has the capability to apply extra rake force to help lift large debris.

The Expulsionator™ solids deflector device used at the discharge point of the unit provides reliable solids removal of even the largest debris. Using a pivoting plate that contacts each rake, the Expulsionator prevents large debris from falling back into the channel while also aiding the rake wiper in providing positive solids removal.



True-Grip™ chain
retention system



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