

# Aqua Guard<sup>®</sup>

The Original Self-Cleaning In-Channel  
Moving Media Screen

**Unparalleled Protection for Your Plant Equipment in Element and Perforated Plate**

- Thousands of installations
- Customized for every application
- Very low power consumption
- Low maintenance costs

# Confidence in Fine Screening

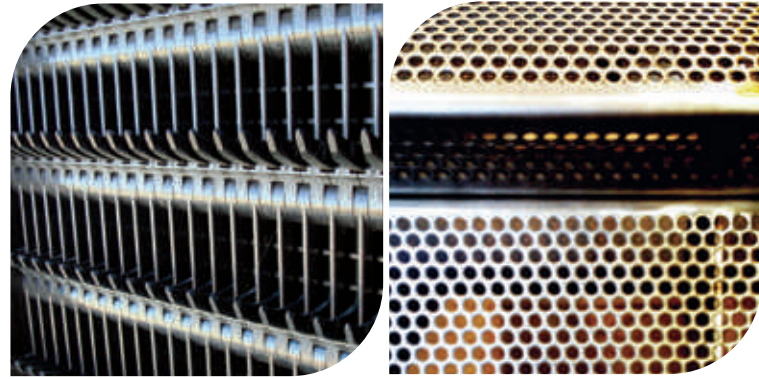
The Aqua Guard® screen utilizes a unique filter element system designed to automatically remove a wide range of solids found in conventional municipal and industrial wastewater channels. The elements, mounted on a series of parallel shafts, form an endless moving belt that collects, conveys and discharges solids greater in size than the nominal element spacing.

## Efficient Operation

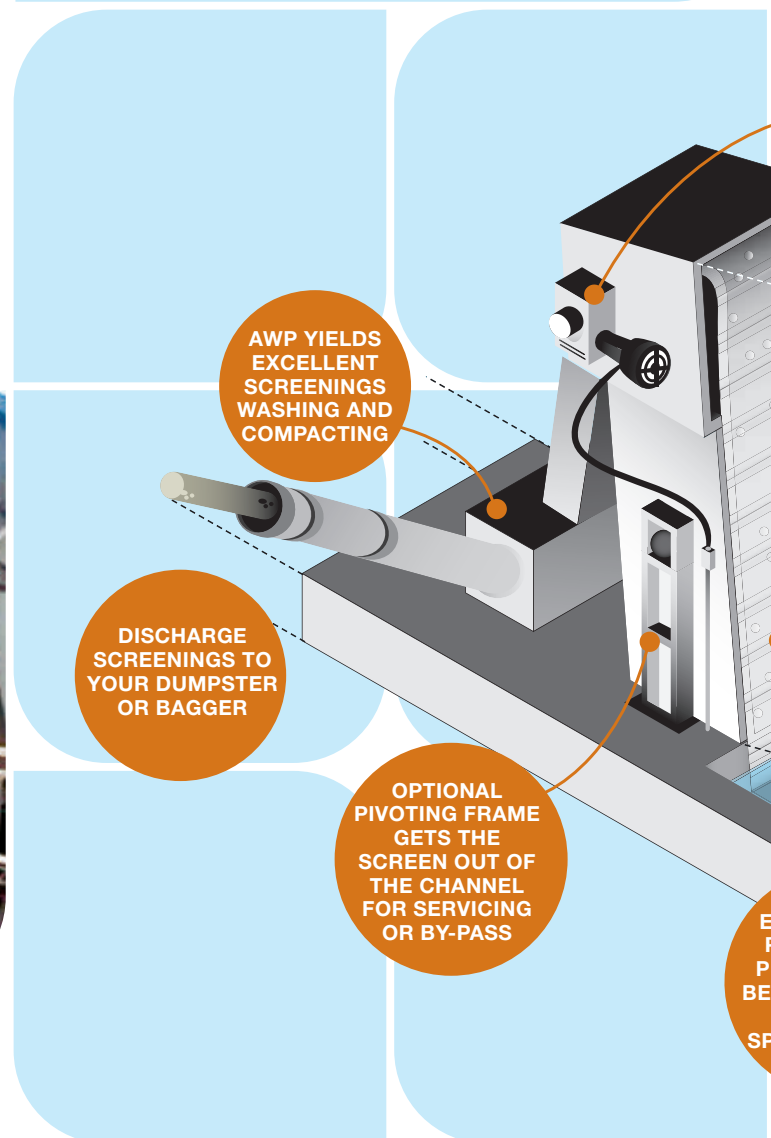
Solids that are captured out of the wastewater flow are conveyed upward on the belt assembly to be discharged at the rear of the unit. Two-stage, coarse and fine screening are achieved on the forward and recessed faces of the element belt, resulting in some of the lowest head losses in the industry.

## Reliable Performance

With over 6,000 worldwide installations, a myriad of applications, and millions of hours of operation, Parkson delivers reliability, longevity and superior performance.



Parkson provides a complete offering of screening, washing, compacting, and conveyance systems



AWP YIELDS EXCELLENT SCREENINGS WASHING AND COMPACTING

DISCHARGE SCREENINGS TO YOUR DUMPSTER OR BAGGER

OPTIONAL PIVOTING FRAME GETS THE SCREEN OUT OF THE CHANNEL FOR SERVICING OR BY-PASS

E  
P  
B  
S

## Perforated (“PF”) Plate Media

The Aqua Guard® PF screen utilizes stainless steel perforated plate media to automatically and very efficiently remove solids from municipal and industrial waste streams. Built on the time tested Aqua Guard® platform, the AG-PF is on the cutting edge of screening technology.

## The AG-PF Advantage

The PF panels are designed with an extra wide step to provide superior carrying capacity and with 20% more open area, even lower head loss than the traditional element screens. Stainless steel perforated panels will also provide greater protection under high flow and surge conditions.

## Very High Capture

The Aqua Guard® PF is an ideal option for applications that demand very high removal rates in both municipal and industrial applications.

## Features and Benefits

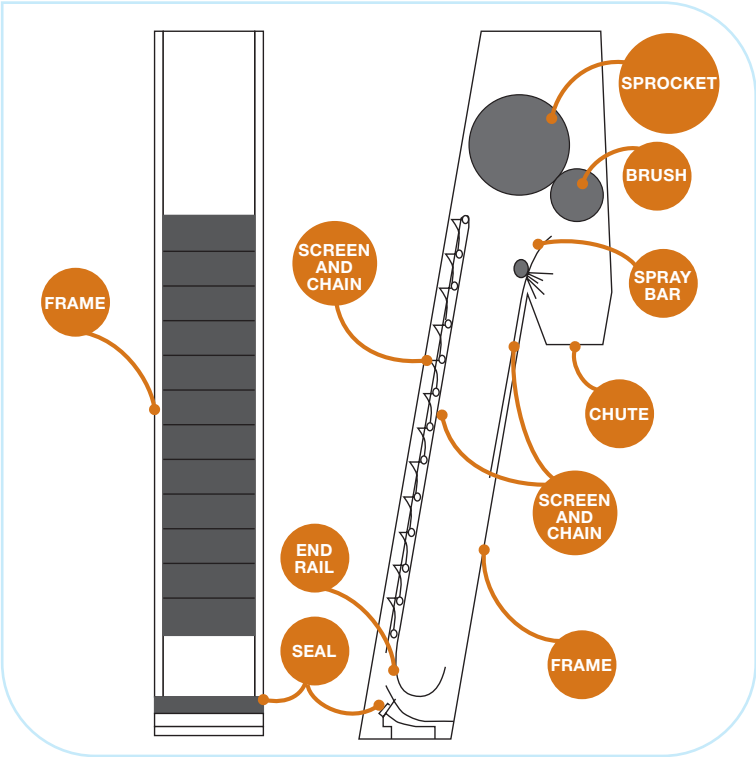
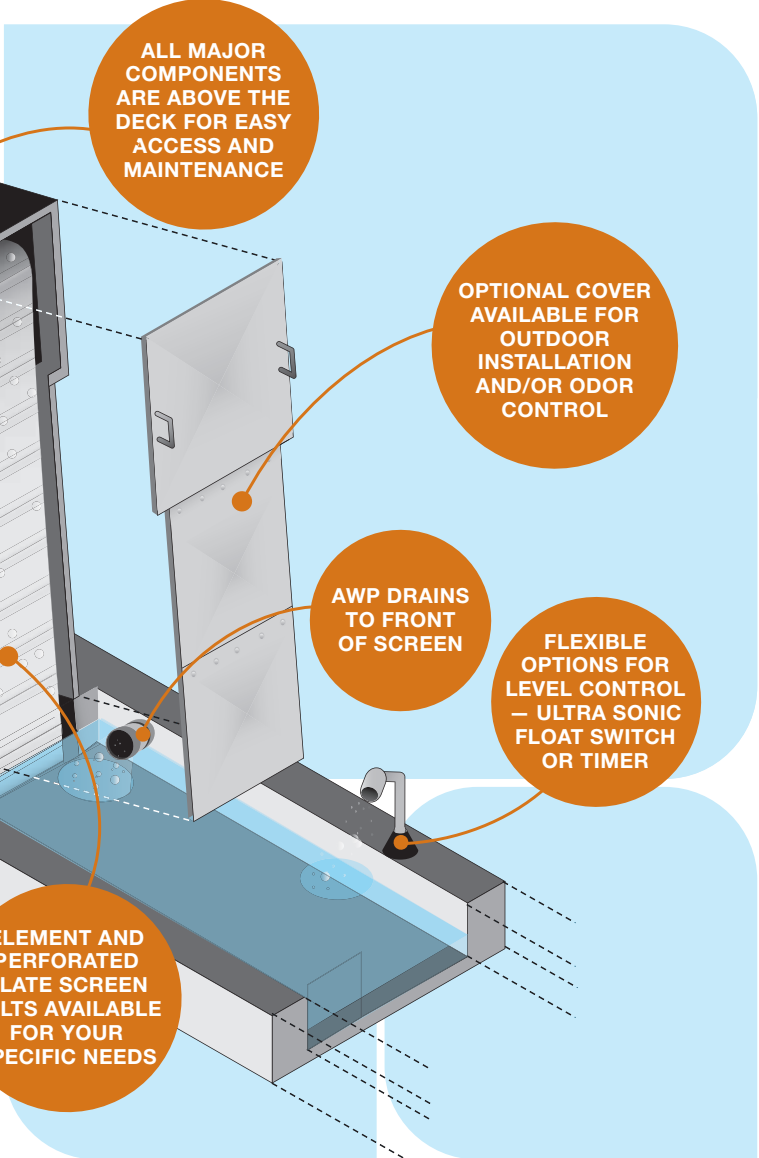
- No submerged bearings
- Low power consumption
- Self-cleaning
- Flows up to 150 MGD
- Pivoting design
- Delivered fully assembled
- No attachment to channel
- Element and perforated design
- Ability to build precoat

Low operation cost and ease of maintenance

High capacity

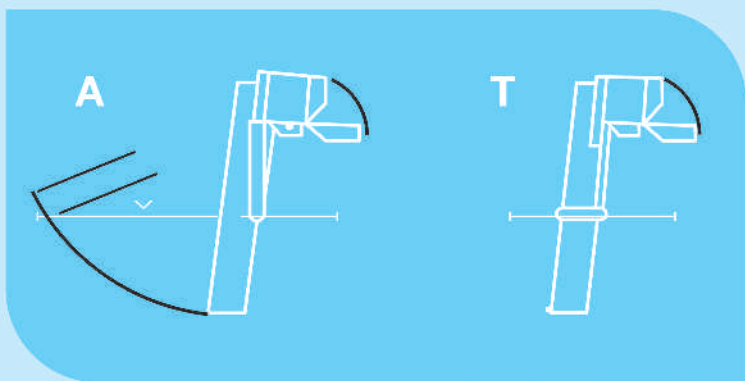
Ease of installation

High capture rate



## Aqua Guard® Family

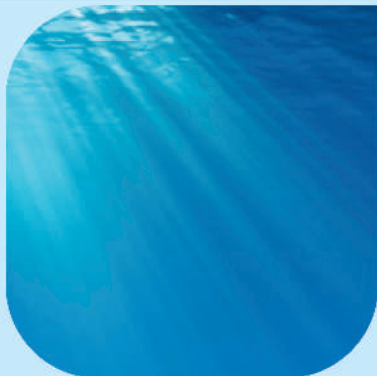
Whether the Element or Perforated (PF) Screen for a given application, Parkson has the optimal equipment for superior screening performance



### Available in Two Styles

- Style A – Pivoting Design
- Style T – Fixed in Channel

Styles available for all models:  
 Standard, Heavy  
 Duty and Perforated Plate



### Parkson Supplies a Complete System

Parkson's in-house designed Aqua WashPress™ can be easily added for efficient solids washing and compacting.

### Design Parameters

	Model MN	Model S	Model PF
	(Standard)	(Heavy Duty)	Perforated Plate
Minimum Channel Width (in.)	12	24	12
Maximum Screen Width (in.)	66	108	108
Maximum Design Headloss (in.)	10	24	24
Typical Screen Spacing	1/8 - 5/8 (in)	1/8 - 1 1/4 (in)	1/8 - 1/4 (in)
	3 - 15 (mm)*	3 - 30 (mm)*	3 - 6 (mm)*
Available Angles of Inclination	60° / 75° / 85°	60° / 75° / 85°	60° / 75° / 85°

\*other spacings available upon request

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