

awma

AUTOMATED TRASH SCREENS

Automated Trash Screens remove weed and debris from waterways, often protecting downstream systems and minimising OH&S risks. Design options are available for bulk and finer filtration requirements.

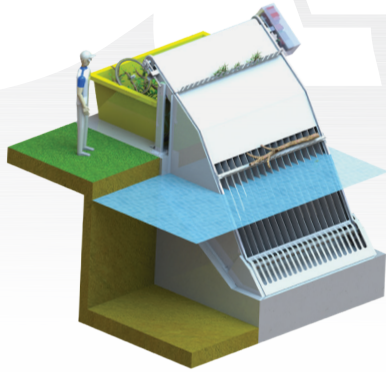
FEATURES

- Custom designed to suit application size and shape.
- Captures floating and submerged debris within waterways.
- Reliable self-cleaning system.
- Customised bar spacing or wedge wire options to suit debris type and loading.
- Reduces OH&S risks by eliminating manual cleaning.
- Requires minimal civil works to install.
- Protects downstream infrastructure such as pumps, valves and pipework.
- Designed to require minimal maintenance.
- Improved downstream water quality.
- Automated trash screens can be either AC or DC powered.
- Low noise level.
- Long life fully sealed polymer bearings.
- Optional spill trays.
- Designs meet safety regulations on pipes, siphons, pumps and culverts.
- Suitable for exclusion of weed, rubbish, branches and animals.

APPLICATIONS

- Pipes
- Pump Intakes
- Siphons
- Stormwater Systems
- Floodways
- Channels
- Water Distribution Systems
- Wetlands
- Environmental protection





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DESIGN

DESIGN SUPPORT

- AWMA's design team will provide full support to ensure the most appropriate solution is developed and specified during the preliminary design.

SIZES

- All AWMA screens are custom sized to ensure they meet specific site and operational requirements.

MATERIALS

- AWMA automated trash screens are constructed from either 304 or 316 stainless steel for long service life.

MAINTENANCE

- Trash Screens are designed to achieve high duty cycles with minimal downtime.
- Automated screens can be easily accessed and cleaned out of the waterway, without the need to dewater or bypass the structure.
- Minimal maintenance is required offering low 'whole of life costs'.

MANUFACTURE

QUALITY

- All procedures are in accordance with AWMA's accredited ISO 9001 Quality Management System to ensure each screen is manufactured to a high standard, tested and ready for trouble free operation post approved installation.

OPTIONS

- Customised spill trays and hungry boards are available, subject to application.
- Water Sprays

INSTALLATION

MOUNTING OPTIONS

- Trash Screens are typically wall mounted.

OPERATION

- AWMA's Automated Trash Screens utilise either raked or brushed elevator's (or flights) attached to a rotating chain system. This is driven by a motor and gearbox coupled to a drive shaft. The result is a reliable, autonomous, self-cleaning system. These debris removal processes can remove bulky objects and/or fine debris from the front of the screen to avoid blockages. Debris is transported upwards, out of the waterway into removable disposal bins, conveying chutes or troughs.

COMMISSIONING

- Detailed documentation on operation, testing procedures and maintenance is provided with all AWMA water control solutions.
- Comprehensive on and/or off site training available.

DOCUMENTATION AND TRAINING

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