

TRAVELLING POLYMER SCREENS

Polymer Travelling Screens are engineered for fish protection and removal of debris from waterways.

HOW IT WORKS

- The Travelling Polymer Screen is a debris removal system, typically installed and operated within a channel structure.
- The powered polymer screen rotates to clear debris from the waterway, carrying it up and over the structure into a designated storage system until cleared.
- The rotating screen has no side chains, no submerged moving parts and is designed to remain in the water year round for 24/7 debris removal.
- The automated self-cleaning function is facilitated by scraper or water sprays to maintain a clean and efficient screen surface.

FEATURES & BENEFITS

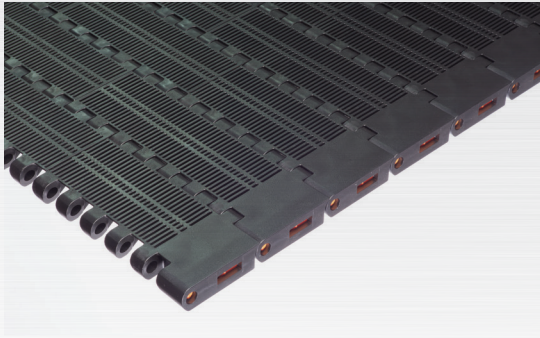
- No submerged moving parts.
- Chainless screen design.
- Cleaned via scraper or water sprays.
- Innovative drive design.
- Low maintenance polymer material.
- Various aperture sizes available.
- Proven technology.
- Compliant with AUS/NZ Fish Screening Guidelines.
- Efficient removal of trash from waterway.



- Sustainable operation under heavy debris, sedimentation and biofouling conditions.
- Protects fish from entrainment and impingement.
- Protects pumps from clogging.
- Protects downstream filtration and irrigation equipment.
- Improved water quality.
- Engineered polymer does not corrode.
- Polymer less likely to experience ice adhesion.

APPLICATIONS

- Irrigation diversions.
- Urban water intakes.
- Debris/weed dense waterways.
- Hydro power facilities.
- Water extraction facilities.
- Cooling water intakes.



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DESIGN

DESIGN SUPPORT

- AWMA's R&D and Engineering teams are available under Early Contractor Involvement (ECI), to assist in developing water control and screening solutions for bespoke green-field and brown-field sites.

SIZES

- Customised to suit the application.

MATERIALS

- Polymer screening material is reliable, durable and low maintenance. Stringy debris is less likely to wrap or cling to the polymer screen material.
- Frame options are typically stainless steel.

MAINTENANCE

- AWMA's products typically have a minimum 25 year design life.
- Minimal maintenance is required offering low 'whole of life costs'.
- The engineered polymer modules are interlocked with full length rods, allowing fast on-site maintenance if required.
- The Travelling Screens have no side chains, no submerged moving parts and are designed to remain in the water year round, operating 24/7.

MANUFACTURE

QUALITY

- All AWMA products meet relevant Australian and international standards.
- AWMA hold international accreditations for ISO 9001; Quality, ISO 14001; Environment and ISO 45001 OH&S management.
- AWMA's Integrated Management System aims to provide a framework to deliver products and services that consistently exceed customer expectations.

INSTALLATION

MOUNTING OPTIONS

- The Travelling Polymer Screen is typically mounted within a channel structure.
- Mounting options include consideration of the debris removal system.

DRIVE SYSTEMS

- Travelling Polymer Screens are powered via an electric motor and gearbox.

OPERATION SYSTEMS

- Other than the travelling screen there are no moving parts submerged in the water.
- The screen operates via an innovative drive system.
- System features a scraper to facilitate cleaning and debris removal, with the option for water sprays.

COMMISSIONING

DOCUMENTATION AND TRAINING

- Detailed documentation on operation, testing procedures and maintenance will be provided with all AWMA screens.
- Comprehensive on and/or off site training available.

