

CONE SCREENS

Cone shaped screening solutions are ideal for shallow intakes or offtakes.

FEATURES & BENEFITS

- The screen covers an intake, pipe or manifold underneath it.
- Screen design reduces the approach velocity.
- External brush arm rotates about vertical axis to self-clean, preventing biofouling.
- Low maintenance stainless steel construction.
- Wedge wire screen medium is strong and durable.
- Internal diffuser ensures even flow distribution over the entire screen surface.
- Cone shaped screens provide large surface area over small footprint.
- Various aperture sizes available, typically 2mm slot width.
- Standard size cone screens available for flows up to 260 ML/day (3009 L/s).
- Proven technology.
- Compliant with AUS/NZ Fish Screening Guidelines.
- Sustainable operation under heavy debris, sedimentation and biofouling conditions.



- Marine-duty hydraulic motor rotates brushes in both directions.
- Protects fish from entrainment and impingement.
- Protects pumps and pipeline infrastructure.
- Protects downstream filtration and irrigation equipment.
- Improves water quality.
- Can include SCADA interface for remote monitoring and control functionality.

APPLICATIONS

- Irrigation Diversions.
- Urban Water Intakes.
- Debris/weed dense waterways.

AWMA
Water Control Solutions



CONE SCREENS

DESIGN

DESIGN SUPPORT

- Cone screens are designed and manufactured by AWMA Water Control Solutions under a licensing agreement with Intake Screens, Inc.
- Screen designs are based on worldclass, 25+ years of proven international performance, complemented with AWMA's design capabilities to provide full design support, ensuring the most appropriate solution is developed to suit site conditions.

SIZES

- A range of standard sizes available.
- Multiple screens may be used at any one location to accommodate large flow volumes.

MATERIALS

- Wedge wire made from Grade 304 Stainless Steel is standard, with alternative materials available on request.

MAINTENANCE

- AWMA's products typically have a minimum 25 year design life.
- Minimal maintenance is required offering low 'whole of life costs'.

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 Cone Screen can be mounted onto a custom designed base to suit site and operational requirements.
- Cone Screens can be mains or solar powered.
- Cone Screen actuation options include Electric or Hydraulic.

OPERATION SYSTEMS

- The brushes operate automatically, as programmed to suit cleaning requirements.
- Electric and hydraulic systems operate on a timer which can be programmed in accordance with debris loads. Usually they need only operate once or twice a day, for a minute or two.

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.

