

CONE SCREENS

Cone shaped screening solutions ideal for fish friendly, shallow intakes or offtakes.

FEATURES

- Screen covers a bottom intake, pipe or open channel.
- Reduces flows down to 0.1m per second.
- External brush arm rotates about vertical axis to self-clean.
- Low maintenance stainless steel construction.
- Wedge wire screen medium is strong and durable.
- Internal diffuser ensures even velocity over screen area.
- Cone shaped screens provide large surface area over small footprint.
- Various aperture sizes available, typically 2mm slot width.
- Standard size cone screens available up to 150 ML/day.
- 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.

BENEFITS

- Protects fish from entrainment and impingement.
- Protects pumps from clogging.
- 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.





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DESIGN

DESIGN SUPPORT

- Screen designs are based on worldclass, 20+ 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.

SEALING

- The seal performance of AWMA Water Control Screens exceed that required by the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.

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 fabrication is 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.

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.

