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.







CONE SCREENS

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.

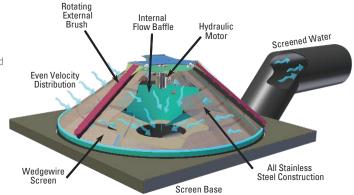
OPERATION SYSTEMS

- 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.







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