

CYLINDER SCREENS POWERED

Single and T-Style cylinders provide screening for pumped intakes and gravity offtakes.

HOW IT WORKS

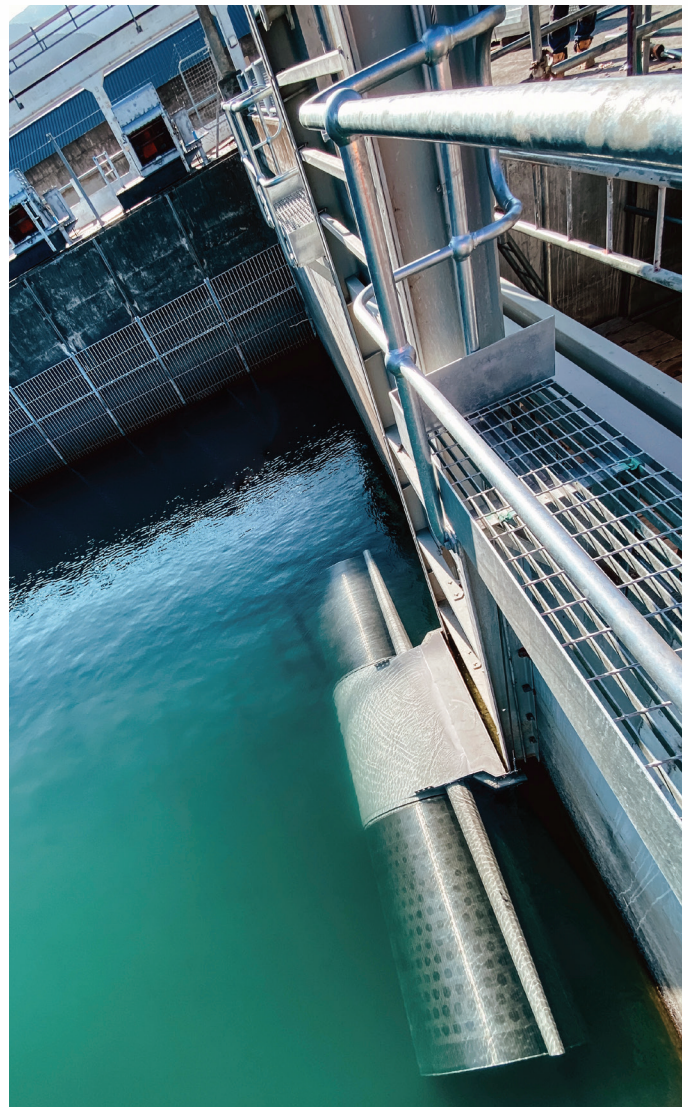
- Water flows through the wedge wire screen surface (allowing for fish protected filtration),
- The internal drive unit slowly rotates the external wedge wire cylinder,
- Fixed internal and external brush systems clean the screening surface,
- The screen drive unit includes electric and hydraulic options which may be mains or solar powered,
- The cylinder screens are programmed by the asset owner to operate as often as required in accordance with predicted debris loads.

FEATURES

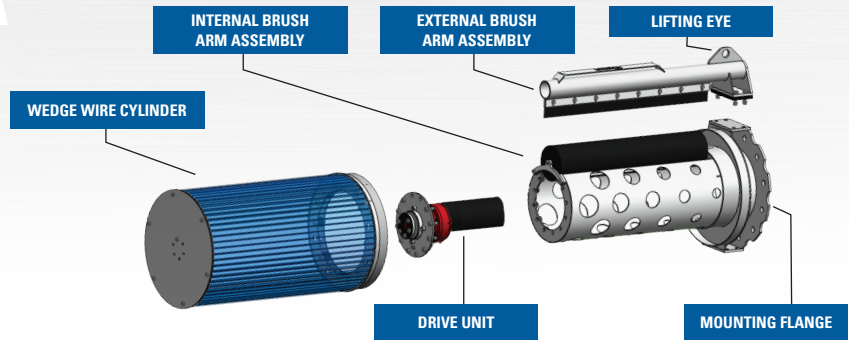
- The Single Cylinder Screen allows flows up to 150ML/day, the Double T-Screen is suitable for flows up to 300 ML/day.
- Configurations for multiple screens, with a large flow capacity, available on request.
- Various screen aperture sizes available, typically 2mm slot width.
- Low maintenance stainless steel construction.
- Wedge wire screen medium is strong and durable.
- Self-cleaning with internal and external brushes.
- Even flow distribution over screen surface.
- Retrievable or fixed position.
- Cathodic protection to minimise corrosion.
- Proven technology.
- Compliant with AUS/NZ Fish Screening Guidelines.
- Sustainable operation under heavy debris, sedimentation and biofouling conditions.

BENEFITS

- Protects fish from entrainment and impingement.
- Protects pumps from clogging.
- Protects downstream filtration and irrigation equipment.
- Improves water quality.



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APPLICATIONS

- Irrigation.
- Power plant intakes.
- Water extraction facilities.
- Cooling water intakes.

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 sizes available upon request.

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 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

Early project involvement ensures development of the most appropriate mounting and retrieval options. Whilst the screens are self-cleaning and require minimum maintenance, a number of solutions are available for ease of screen retrieval to the surface, which may include a rail system.

OPERATION

- The screen's self-cleaning drive system may be mains or solar powered.
- The Drive Systems may be Electric or Hydraulic.

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.

