

DECANT GATES

AWMA's Decant Gate is a high frequency modulating gate for decanting applications, featuring a specialised cable drive mechanism.

FEATURES

- Specialised AWMA positive drive cables mitigate risks associated with component wear in high frequency, modulating gate systems.
- Designed to extend the design life of decanting infrastructure.
- Designed in partnership with key stakeholders.
- Minimal risk of mechanical failure, common in equipment with high frequency duty cycles.

APPLICATIONS

- Medium to large decanting water and waste water applications.



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DESIGN

DESIGN SUPPORT

- AWMA's design team will provide full support to ensure the most appropriate solution is developed and specified during the preliminary design.

SIZES

- All AWMA water control gates are custom sized to ensure they meet specific site and operational requirements.
- Customisation reduces installation and civil costs.

MATERIALS

- AWMA select materials to meet a minimum design life of 25 years. Where required, AWMA can offer higher grade materials, coatings and protection systems to extend the design life to 100+ years.
- Constructed from marine grade aluminium or stainless steel.
- Components designed for long term immersion in corrosive environments.
- Materials used in the construction of the DLF Penstock range have a high corrosion resistance and can be operated for many years with minimal maintenance.

SEALING

- The sealing ability of this gate exceeds that required by the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.

MAINTENANCE

- The Decant Gate has a minimum 25 year design life.
- Minimal maintenance is required offering low 'whole of life costs'.
- If required, all the wearing components can be changed, with ease, on site.

MANUFACTURE

QUALITY

- All fabrication is in accordance with the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.
- All stainless steel welding is continuous to avoid crevice corrosion.
- All procedures are in accordance with AWMA's accredited ISO 9001 Quality Management System to ensure each gate is manufactured to a high standard, tested and ready for trouble free operation post approved installation."

INSTALLATION

MOUNTING OPTIONS

- Decant Gates are typically mounted to a concrete headwall.

ACTUATION SYSTEMS

- Handwheel, electric, hydraulic or pneumatic actuator.
- Portable actuation systems available.

OPERATION SYSTEMS

- Integration into new or existing SCADA systems optional.
- Global, web based operating platforms for remote control and monitoring.

COMMISSIONING

DOCUMENTATION AND TRAINING

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