

Flap Gate Valve

The AWMA Flap Gate is a one way/non-return flap gate valve designed to prevent backflow.

Features

- Effective backflow prevention device.
- Top hinged one way flap valve.
- Double pivot hinges as standard.
- Gravity and head pressure achieve automatic sealing.
- Low head loss.
- Full perimeter sealing.
- Suitable for up to 10m head pressure.
- Custom designed and fabricated to suit any size or shaped orifice.
- Requires minimal civil works to install.

Applications

- The Flap Gate range is used for many applications across all industry sectors.
- Commonly used for tidal and flood mitigation as well as sewage and stormwater management.

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

- Constructed from marine grade aluminium or grade 316L stainless steel.
- Materials used in the construction of the Flap Gate 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'.

Quality

- All fabrication is in accordance with the 'Australian Technical Specification for Fabricated Water Control Infrastructure', AS/NZS 1554.6 and AS/NZS 1665.
- 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.

Operation

- Gravity and head pressure automatically operate gate for one-way flow only.
- Lifting lugs or cable winch optional to raise the gate in emergency situations.

Maintenance

- The Flap Gate range has a minimum 25year 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.

Mounting

- Flap Gates are typically wall mounted.
- Spigot or pipe mount options available.



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