



awma

Water Control Solutions

PENSTOCKS

STOPBOARDS

BULKHEADS

FLOODGATES



INSTALLATION



COMMISSIONING



TRAINING



CONSULTATION



DESIGN



MANUFACTURE



SPECIALISED WATER CONTROL INFRASTRUCTURE

Operating on a worldwide scale, AWMA service all industries with engineered, purpose built, water control equipment and solutions.

AWMA specialise in the design, manufacture, installation and automation of customised water control infrastructure including gates, screens, barriers, baulks and lifting devices. All equipment is supplied under our ISO 9001 accredited quality system, ensuring compliance with all applicable international standards, regulations and project specific requirements.

Our unique approach to design ensures that sustainable solutions are developed in partnership with our clients, resulting in superior operational performance and reduced whole of life costs.

When discussing your next water project, consider AWMA's design consulting services for assistance with specification development, equipment selection and automation systems including integration to SCADA networks.



Brett Kelly
Managing Director





ULF PENSTOCK

AWMA's ULF Penstock range consists of undershot regulating penstocks for flow regulation, diversion, level control or isolation. The ULF Penstocks are also known as Sluice Gates, Slide Gates, Sluice Valves, Stop Gates or Water Gates.



TLF-P PENSTOCK

AWMA's TLF-P is a full perimeter sealing penstock that provides economical isolation for small diameter applications.



TLF PENSTOCK

AWMA's TLF Penstock range consists of an undershot gate with a full perimeter seal, providing flow isolation for fully submerged on or off seating applications.



DLF PENSTOCK

AWMA's DLF Penstock range consists of downwards opening, decant weirs.



DECANT GATE

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

WLF PENSTOCK

AWMA's WLF Penstock range consists of a sluice type top sealing penstock featuring a wedge lock seal, designed for high head applications.



STOPLOGS

AWMA's Stoplog range consists of fabricated modular segments of any size, joined to effectively isolate flows for maintenance, re-direction or containment.



ROUND BOTTOM BULKHEAD

AWMA's Round Bottom Bulkhead is custom engineered for isolating benched profiles, incorporating integral equalisation valves, specialising in high head applications.

BULKHEADS & ROLLER GATES

AWMA's range of Bulkheads and Roller Gates significantly reduce friction associated issues of in-flow insertion and containment for high head isolation applications.





FLAP GATE

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



RADIAL GATE

AWMA's Radial (Tainter) Gate is a rounded water control gate with long radial arms, usually fully automated.



SELF-REGULATING TIDAL GATE

AWMA's Self-Regulating Tidal Gate operates via floatation to autonomously manage storm, flood and/or tidal water intrusion.

SEGMENTED STOPBOARDS

AWMA's Segmented Stopboard range consists of fabricated modular segments of any size, joined to effectively isolate flows for regulation, redirection or containment.



LAYFLAT GATE

AWMA's LayFlat (Tilting Weir) Gate range incorporates downwards opening tilt gates for accurate regulation and isolation of flows.



COMBINATION GATE

AWMA's Combination Gate range is a dual leaf or multiple leaf gate design consisting of overshot and undershot gates in the one frame.



MULTIBAY LAYFLAT GATES

AWMA's MultiBay LayFlat (Tilting Weir) Gate range incorporates multiple downward opening tilt gates, fabricated into a single structure for accurate regulation and isolation of flows.



SIDEWINDER

AWMA's SideWinder is a horizontal opening slide gate.



HEAD & DISCHARGE GATE

AWMA's Head & Discharge Gate range is a dual leaf gate design consisting of overshot and undershot gates in the one frame.



CONCEALED FLOOD BARRIER

FLOODFREE

AWMA's Concealed Flood Barrier is a self-actuating barrier concealed below ground level that harnesses rising waters to automatically deploy via flotation.



FLOODFREE

TILTING FLOOD BARRIER

AWMA's Tilting Flood Barrier is permanently installed, it self-deploys, rising to a vertical position ahead of flood waters to isolate access areas.



Travelling Screen



Cylinder Screen



Cone Screen

FISH & DEBRIS SCREENS

AWMA offer a range of Australian manufactured Cone Screens, Cylinder Screens and Travelling Screens for gravity and pumped offtakes, to protect native fish and irrigation equipment.



FLOODFREE

RETRACTABLE FLOOD BARRIER

AWMA's Retractable Flood Barrier is a sliding barrier designed specifically to isolate large openings as part of a total flood mitigation system.



FLOODFREE

DEMOUNTABLE FLOOD BARRIER

AWMA's Demountable Flood Barriers allow property and asset owners to manually deploy their own protection barrier to isolate flood and storm waters in and around existing infrastructure.



CUSTOM FLOOD GATES

AWMA manufacture a range of purpose-engineered flood defence gates and automation solutions that are specifically designed, manufactured and installed to meet site and operational requirements.



TRASH SCREENS

AWMA's Mechanical Trash Screens remove bulk debris from waterways, often protecting downstream systems and minimising OH&S risks.



SPECIALISED WATER CONTROL GATES

AWMA specialise in engineering one-off products for site specific water, effluent and odour control.



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