



Est. 1967

THINKING OUTSIDE THE BOX WITHOUT LIMITATIONS

55+ Years of
experience.

Infinite success
stories.



[We are Metaval]

Metaval is a leading Australian company that provides engineered products to major industries across the country. Established in 1967, the company initially served the paper industry but has since expanded its product range to include all types of valves and actuators, piping products, flow measurement, instrumentation, temperature, level, water technology, flame arresters, mixers, strainers, heat exchangers, steam heaters, direct in line pumping, bin aeration, and proximity sensors. Representing leading global companies in their respective fields, Metaval has a strong installed base across various industries such as agribusiness, water and wastewater, cement and quarry, chemical, food and beverage, defence utilities, mining, oil and gas, paint and coatings, process refining, food & beverage and pulp and paper.

What's more?

Our team of highly specialised industry veterans with over 55+ years of experience ensure that only the best products pass our extremely strict quality checks.

CORE DIVISIONS

WATER QUALITY

FILTERS & MIXERS

SAFETY

WATER AND SEWER TECHNOLOGY

SPECIALIST PRODUCTS DIVISION

INDUSTRY APPLICATIONS



OIL & GAS
REFINERIES



WATER, WATER
TREATMENT
& SEWAGE



POWER
GENERATION



CHEMICAL
PROCESSING



METAL
MINING



HVAC
SYSTEMS



AGRICULTURE



PAPER & PULP



DEFENCE INDUSTRY



FOOD & BEVERAGE
INDUSTRY



NUCLEAR
INDUSTRIES



FERTILIZER



MARINE INDUSTRY



FIRE PROTECTION
SYSTEMS



WASTE
MANAGEMENT

Why choose us?

- Trusted & globally recognised partners
- High-quality products
- Customisation as per request
- Fast turn around time
- Competitive pricing
- 55+ years of experience

Products Overview

WATER QUALITY, FILTERS, PROCESS & SAFETY

- Filter & Strainers
- Flame Arresters
- Heaters- Direct Steam
- Heat Exchangers
- Static Mixers
- Tanks Accessories
- Water Quality Technologies

SPECIALIST PRODUCTS

- Actuators
- Bin Aeration
- Level Controls
- Proximity Sensors
- Pressure & Flow
- Specialist Valves

WATER AND SEWER TECHNOLOGY

- Valves
- Water Management Systems
- Direct-In-Line Pumps for Sewer Lift Stations
- Turbines and Hydraulic Steel Structures

WATER QUALITY PRODUCTS

cleanwater¹

PAX AND TANK SHARK MIXERS

The PAX Water Mixer is a powerful active mixer that improves water quality in water storage tanks. The mixer's unique impeller creates a powerful vortex flow pattern to thoroughly circulate the entire tank volume while using very little energy. PAX Water Mixers are easy to install and maintain. The mixer can be easily lowered through the tank hatch or installed by a diver. It eliminates thermal stratification, creates uniform disinfectant residuals, lowers biofilm growth and prevents short-circuiting in tanks.

The Tank Shark* Mixing System provides for a homogeneous mixture within the reservoir, eliminating thermal and residual stratification with no moving parts or electrical equipment within the reservoir.



PAX THM REMOVAL SYSTEM

The Trichloromethane (THM) Removal System is a custom-designed aeration system to reduce THM levels in drinking water storage tanks and reservoirs. TRS is not a single technology but a portfolio of aeration technologies: sprayers, surface aerators, mixers. The system is designed to be cost and energy optimised specific for each tank.

PSI MICROCLOR[®]

Microclor[®] OSHG is the next generation OSHG. It was purposefully designed to be safe, reliable and easily maintained. Using only salt and electricity, the Microclor[®] OSHG brings simplicity and safety to the water disinfection process.

The combined benefits of the following unique features make Microclor[®] OSHG the most resilient and durable system available today:

- Vertical Cell Arrangement
- Multiple Cell Configuration
- Direct Hydrogen Management
- Continuous Process Control
- Full-Wave DC Power
- Compact Cell Design
- High-Velocity Electrolyte Circulation



Monoclor® RCS

Chloramine Residual Control System

The Monoclor chloramine management system generates a constant and reliable chloramine residual within the reservoir by creating a homogeneous mixture, introducing chemicals rationally and monitoring the equilibrium with control logic in real time.

Monoclor® System Features:

- Smart chemical introduction - only introduce ammonia and or chlorine when needed
- Real time monitoring
- Homogeneous tank equilibrium
- Ease of maintenance
- Eliminates Nitrification
- Available spares and service
- Reduces Flushing



Polymer Activation System I Polyblend®, Dynablend™

The most comprehensive line of both hydraulic (Dynablend) and mechanical (Polyblend) polymer activation methods. The systems are designed to optimise polymer performance by using a two stage mixing process with the highest energy applied first at the moment of initial wetting followed by slow mixing zone allowing to fully activate the polymers without breaking up the polymer chain.



[FILTERS & MIXERS]

STF

FILTROS

EATON

Powering Business Worldwide

Metaval provides filtration equipment for any liquid applications. We cover all types of particle filtration, including bags, cartridges and range of self cleaning filters. The self cleaning filter range includes mechanical self cleaning and tubular backwashing types.



Komax Systems manufactures multitude of in-line mixing and heating solutions, such as:

- In-line static mixers for liquids, sludge and gas
- In-line and In-tank steam injection heaters
- And desuperheaters



WAFER MIXER



TANK STEAM HEATERS

TANK STEAM HEATER

- Versatile heaters designed for direct injection of steam into tanks for heating water-compatible products.
- Operate quietly, vibration-free, and with 100% efficiency.
- Develop a strong stirring action to keep solids or particulates in suspension.
- Produce uniform temperature throughout the tank volume for accurate thermostatic control.
- In-line steam injection heater also available

DESUPERHEATER:

- Horizontal and vertical installation
- No thermal liners required
- Low pressure drop
- High turndown capacity 20:1 with appropriate control valve
- Butt weld ends or flanged to ANSI 150, 300, 600, 900, and 2500 Or DIN PIN 10, 16, 40, 64,100
- All materials of construction available



DESUPERHEATERS

SAFETY

Flame Arresters

- Europe's largest supplier of flame arresters
- Manufactures a complete range of flame arresters for in-line and end-of-line deflagration and detonation type

Valves

- Tank protection valves for pressure and vacuum
- Nitrogen blanketing valves

Tank Equipment

- Floating suction units, gauge hatches and sampling valves
- In-Tank Valves for cryogenic applications





HYDRAULIC STEEL STRUCTURES & AUTOMATED TRASH RACK CLEANERS

wiegert & bähr
Turbinen- und Stahlwasserbau



Trashracks and trashrack cleaning machines to protect the turbines from drifting debris

- Trashracks
- Trashrack cleaners
- Electromechanically powered Telescopic trashrack cleaning machines
- Electrohydraulically powered Folding-arm trashrack cleaning machines
- Electrohydraulically powered Travelling rake cleaning machines



ROLLER GATE 10mts x 5 mts

Hydraulic Steel Structures

- Roller gates, crest and slide gates for Dams and Hydropower Installation (Image below)
- Flap gates, hydraulically or cable powered
- Stoplogs
- Special constructions



Metaval in partnership with Weigert Bahr supplied an automated trash rack system and controls plus supporting structure for a project in Papua New Guinea . Automated trash rack cleaning scope was to automatically clean trash racks of 9 mts wide x 10 mts depth .



CREST GATE 16 mts wide - Backed up water level 2.5 mts

VAG, Armaturen GmbH founded In 1872 and previously known as BOPP & Reutter is a German valve manufacturer of high quality valves for dams, hydropower, power plants, pump stations and pipelines.

PLUNGER VALVE

- Superior Linear flow control behaviour
- Size range: DN 150 – 2200
- Low cavitation index
- Low noise emission
- Controlled surge (No Water Hammer)

BUTTERFLY VALVE

- VAGs energy saving H series
- Up to 40% higher energy savings due to superior Kv value
- Technological leadership
- Helping organisation achieve net zero



VAG/Metaval successfully supplied and Installed a DN 1800- Plunger valve with aeration and VAG guard valve plus VAGS dismantling joint (all DN 1800). This is the largest plunger valve to be installed and successfully operating in Australia .



DN 900 PN 25 Fixed cone discharge valve at a dam in Canberra Fixed Cone discharge valve the KSS plus manufactured size range from DN 400 to DN 2000



DN 1400 fixed cone discharge valve with hood



DN 600 Anti- Vacuum Air Valves Installed at a dam in Victoria



Double eccentric butterfly valve -Manufactured sizes from DN 150 up to DN 4000 - In pressure ratings from PN 16 to PN 40

PLATULAR® HEAT EXCHANGERS



barriquand

TECHNOLOGIES
THERMIQUES

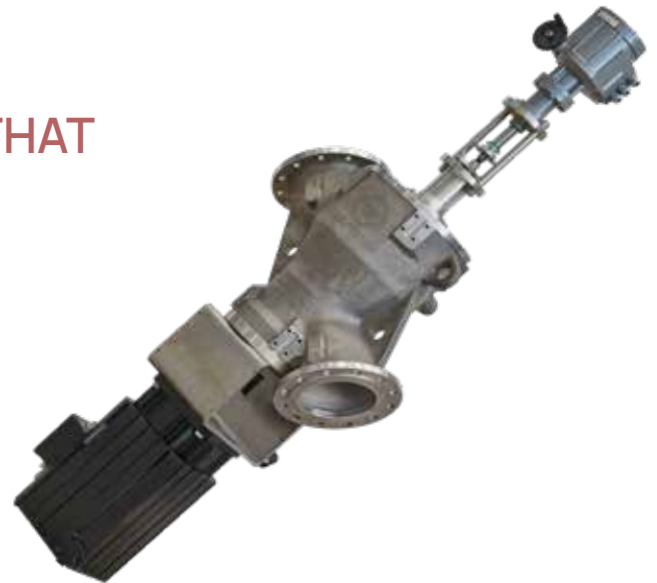
Platular smart hybrid welded plate heat exchangers is a cross between plate and tubular heat exchangers. Providing high heat transfer coefficient and compact in size.

The Platular plate heat exchanger's thermal performance and minimal temperature approach is particularly suitable for exchanges on difficult, viscous fluids or fluids charged with suspended materials, but also for the condensation of vapor under vacuum.

LOCPOWER

THE PATENTED CONTROL VALVE THAT HARVEST ENERGY!

- Axial turbine & permanent magnets (variable speed) generator allows energy harvesting even with high variability of flow rate
- Allows to combine 3 products in 1: Flow / pressure / level / temperature regulating valve
- Turbine for energy recovery
- Turbine bypass valve
- Unique solution patented in 22 countries



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