



SINCE 1966

Introduction

HMA Flow & Industrial is a division of the HMA Group and initially comprised of two companies. Valveco and Select Transmission & Motors Australia (STMA) were integrated to offer a complete range of flow and industrial solutions.

We supply to the water and waste, cement and quarry industries, all process and manufacturing industries including power generation, oil and gas, mining and minerals, marine, food and pharmaceutical. Our flow and industrial solutions are suitable for greenfield developments, plant upgrades, plant extensions or process improvements.

Part of the HMA Group, the Flow & Industrial team pride themselves on their technical knowledge, flexibility and responsiveness to clients. HMA Flow & Industrial's objective is to provide cost effective solutions to industry by supplying the most advanced technology available in the world.

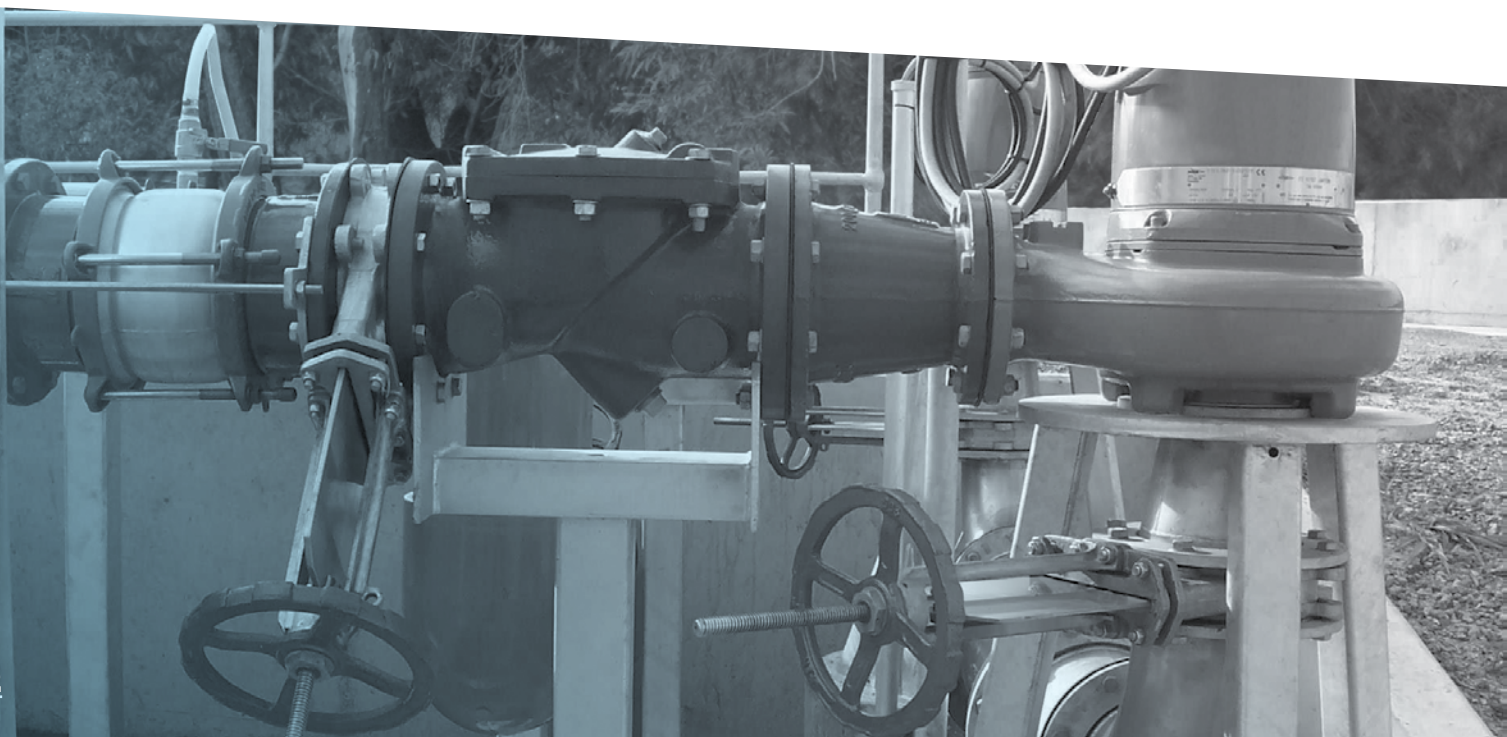
We regard quality customer service and products as our prime objectives. Our markets extend from Australasia through the Pacific Rim to Asia and Africa. We have local offices in Australia, New Zealand, Indonesia and South Africa.

AREAS OF EXPERTISE

- Valves
- Valve actuation and controls
- Gearboxes
- Electric motors
- Conveyor products
- Screw jacks and power transmission
- Engineered products for water treatment, condenser tubes, pipe expansion and filters
- Steam products

We can design and manufacture standard or customised products and offer complete packages covering all flow and industrial requirements through our exclusive portfolio of innovative international brands.

Through our team of locally certified and factory trained technicians we can provide lifetime support on all products.



Industries

Whatever the size of your operation, HMA Flow & Industrial has a solution for you. Our expertise can assist in generating, producing or extracting it more efficiently, safely and in a more environmentally friendly manner.

We provide flow and industrial solutions across the entire range of industries. Our team of engineers and service technicians are factory trained, making them specialists in their field. Our focus is on providing solutions that protect your people, assets and environmental reputation.

- **WATER & WASTE**
- **CEMENT & QUARRY**
- **POWER GENERATION**
- **OIL & GAS**
- **PROCESS INDUSTRY**
- **PULP & PAPER**
- **MINING & MINERALS**
- **PHARMACEUTICAL, FOOD & BEVERAGE**
- **RAIL & TRANSPORT**
- **CIVIL & INFRASTRUCTURE**
- **MARINE & OFFSHORE**
- **ENVIRONMENTAL**



Valves

Knifegate

Sizes from 50mm to 1800mm with a range of actuator options including pneumatic, hydraulic and electric. Stainless steel types with options for deflection cones in Nihard or Polyurethane.

Technegate Heavy Duty types, sleeved bi-directional slurry valves for off-on applications in mining, mineral processing and power industries.

Hardened tool steel vee orifice types for severe service throttling applications.

Customised versions including ceramic lined also available



Butterfly

Sizes ranging from 50mm to 2,200mm, in wafer, lugged and double flanged styles.

Rubber lined on-centre disc, offset seal-on-disc and high performance types.

Pressure classes include PN10, 16, 21 and 35.

Actuator options include manual lever or gearbox, pneumatic or electric.



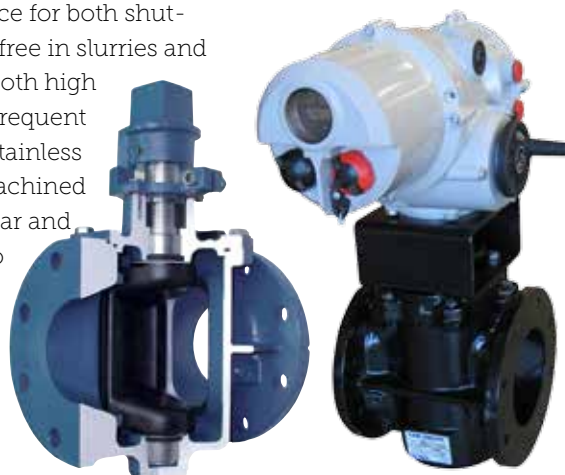
Air

Supplier for the Val-Matic range of air valves with solutions for a variety of air related concerns in water, sewage and slurry pipelines. Air valves increase pipeline conveyancing efficiency and provide vacuum, surge and water column separation protection.



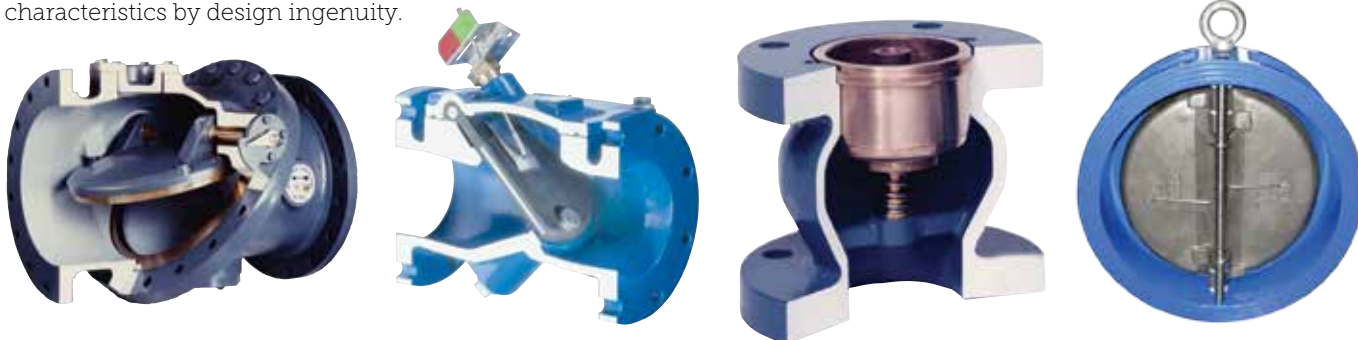
Eccentric Plug

Val-Matic Cam-Centric eccentric type plug valves in sizes ranging from 25mm to 900mm. Proven in both water and wastewater applications. Long service life with low or no maintenance for both shut-off and throttling duties. Clog free in slurries and sewage. Excellent choice for both high frequency service and rare infrequent operation, large surface area stainless steel bearings do not seize, machined nickel seat-in-body resists wear and rectangular port is forgiving to plug alignment and bearing/shaft wear, ensuring positive shut-off time after time.



Check

Val-Matic is a leading manufacturer of check valves for water, waste-water, sewage, industrial and building applications whilst Proco offers a range of rubber check valves. Types include dual disc, swing flex check, the very dynamic silent check, tilting disc, rubber duckbill and perforated plate with options for both wafer and double flanged. Many feature inherent slam resistant characteristics by design ingenuity.



Ball

Available in a range of stainless steel materials, full and reduced port versions with BSP, NPT, BW, SW and flanged end connections.



Deluge

Inbal Valves are high quality, pressure operated, axial flowing type valves. Designed to function as a control valve in fire protection. Able to withstand pressure surges and resistant to false tripping. Smooth quick opening, virtually eliminating water hammer. Rated to 21 bar, available in sizes 40 mm to 300 mm.



Resilient Seated Gate

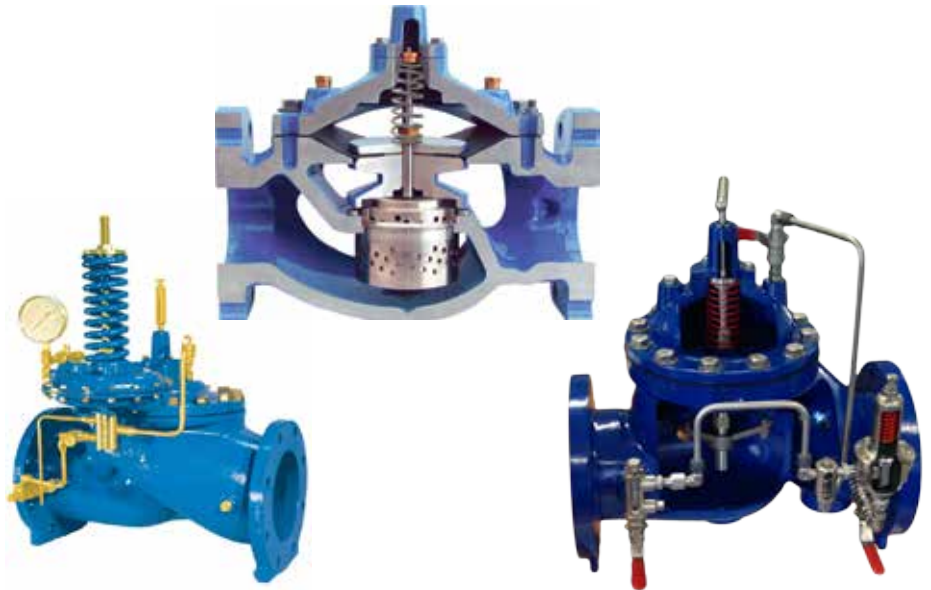
Quality resilient seated gate valves, AS2638.2 compliant, Class 16 with metal seated Class 35 options, choice of closing rotation, valve cap or handwheel operated. A popular isolation valve in water and sewage applications.



Valves, Valve Actuation & Controls

Automatic Control

Singer quality Canadian automatic control valves serving waterworks, fire protection and industrial/mining markets. Range includes pressure reducing, pressure relief/sustaining, flow rate control, pump control, float operated, altitude, dual solenoid electronic interface types and many, many others. Unique rolling diaphragm design provides unequalled stable high ranging control with extreme low flow capability. Also available with anti-cavitation trims for what are usually valve destroying applications.



Valve Actuation

Includes pneumatic, electric, hydraulic with on/off and modulating duty options.



Controls

Solenoids, limit switch boxes, proximity switches, pneumatic and electro-pneumatic positioners and single loop process controllers.



Engineered Products

Couplings

Klarnflex, straight couplings, flange adapters, stepped couplings and dismantling joints in sizes 50mm to 2700mm

JW Couplings, multi-purpose pipe couplings in sizes 15mm to 2000mm
Proco, spool type wide arch rubber expansion joints

Uni-Flange international adapter flange series.



Expansion

Proco offers a complete line of rubber, Teflon lined and braided flexible metal expansion joints.



Tech Taylor

Automatic changeover check valves designed for critical areas and especially slurry process lines where standby and duty pumps are cycled to discharge into a common line. This automatic acting valve reliably and economically replaces older technology combinations of Y pieces and actuated shutoff valves.



Condenser Tube

Taprogge filtration, water circuit cleaning technologies and condenser tube cleaning systems are found in all industries, particularly in power stations, desalination plants, refrigeration and industrial applications. Specifically engineered to suit each application and ensures that your system is performing to its full capacity. Provides maximum thermal and financial benefits.



Filters

Custom-designed high value filter bags, cartridges, cages and associated products to suit most applications. Suitable for dust removal, liquid/solid separation and product recovery under various conditions such as high/low temperature, wet, dry, acid, alkaline and sticky dusts. Industrial applications include cement, chemical, mineral, feed, timber, steel, plastics, power and more.

- Dry filter materials: Polyester, PPS, Aramid, Polypropylene, PTFE, PAN and others. Surface treatments include singed, glazed, anti-static, flame retardant water and oil repellent and acid resistant.
- Wet filter bag materials: monofilament, multifilament, nylon, stainless steel, copper, polyester and polypropylene.



Water Treatment

Found in all industries, including power stations, desalination plants, refrigeration and industrial applications, Taprogge's DynamicFilter and high performance PR-BW series debris filters perform reliably for extended periods with minimal maintenance.

- DynamicFilters are suitable for water conditions with separation requirements of above 50µm and flows up to 4,000 m³/hr.
- PR-BW series is suitable for separations above 1mm, and flow conditions exceeding 100,000m³/hr.
- Terrawater technology can produce pure distillate from any water or waste water source by utilising a 90 Deg C heat source.



Gearboxes

Bevel

The Bevel Helical Gearbox is of a right angle design which offers a more compact fitment as it can run alongside the conveyor. Supplied primarily as a hollow shaft fitment direct to the conveyor head drum and with the electric motor directly coupled to the gear box the use of a primary vee belt drive is no longer necessary. Bevel Helical gearboxes are also very efficient with 94% plus not being uncommon.

Bevel Helical combines both a bevel gear set as well as a helical gear set (or sets) to obtain larger ratios with power transmission through right angles. Widely used throughout the Quarry and Mining Industry and also within conveyor applications.



Worm

The S.T.M. range of cube-shaped worm gearboxes.

This style is suitable for a wide variety of fixing possibilities and allows a better modularity of the components in stock.

In fact, through an input coupling it is possible to connect all sizes IEC, brushless and NEMA electric motors, to enable a wide range of possible gearbox configurations, as well as to improve the overall quality by removing the fretting.

The body has been designed in order to optimize the heat dissipation and to simplify the cleaning of it, even in the most difficult environmental conditions.



Inline

The design of this range of gear units is based on one body piece casting giving increased rigidity. This allows the application of high loads without risks of deformation which might negatively affect technical performances. The particular internal shape of the body directs the oil flow in a way to reach all moving parts while reducing noise levels and improving sealing. Another new feature is the modular output flange that allows a great versatility of application.



Poulibloc

Arguably the best shaft mounted gearbox. Unique taper bush mounting system making it the most versatile for use in quarries. Can be matched to any head drum shaft. Mounting bush system allows gearbox to be drawn onto the shaft and clamped, acting as press tool eliminating drum shaft cut off.



Electric Motors

Electric

Complete range of low to high voltage, high efficiency and hazardous area motors built tough to withstand harsh industry and mining conditions.

Preferred amongst equipment manufacturers, constructors, engineering companies and major end users alike.

0.09Kw to 450 Kw



Vibrating

Used in heavy duty industrial applications such as vibrating screens, dewatering screens, conveyors, feeders, spiral elevators, grizzly feeders, vibrating fluid beds, foundry shake-outs and pre-fab moulds.

Also known as electric vibrators, offer a guarantee of long term durability and are capable of exerting forces from 68 Kg to 13000 Kg.



Motor Control

Motors need some form of control and protection whether it is DOL Starter, Soft Starter or VFD. We also offer a range of accessories including Thermister relays, shock protection relays and shaft encodes.



Conveyor Products

Rollers

We offer a quality range of conveyor products that can be designed to suit your application at competitive pricing. Our technicians will discuss speed, size, spacing and other factors with you to determine the best solutions for your application.



Pulleys

Conveyor Drums custom made to meet your requirements whether it be replacing an existing unit or manufacturing new equipment. Variety of styles of drum, shaft design and mounting systems available to meet every application.



Scrapers

Primary and Secondary Cleaners suitable for a range of applications.

Our simple, do-it-yourself installation EZP1 Rockline® Primary Cleaner has easy, visual check spring tensioning and faceted ConShear™ blade. It is compatible with Flexco fasteners and available in High-Temp with belt ranges 300 – 1800 mm (12" – 72")

The H-Type® Primary Cleaner has a unique design with segmented blades mounted on individual, pre-tensioned cushions that maintain cleaning efficiency, even as the blades wear. Ideal primary cleaner for mechanical, vulcanised conveyor belt applications with a belt range of 450 – 3000 mm (18" – 120")

For Secondary Cleaners the Y-Type™ is suitable for belt speeds up to 3M/s (600 fpm) for standard duty, up to 3.8M/s (750 fpm) for heavy duty. Its has an easy maintenance, simple design which makes changing the blades fast and easy. The 75mm (3") wide blade segments conforms to worn or damaged belts and is available in 450 - 1200mm (18" - 48") for standard duty belts, 900 - 1800mm (36" - 72") for heavy duty belts.



Screw Jack & Power Transmission

Power Transmission

Power transmission products are used extensively in virtually every industry, including manufacturing, processing and mining industries, in fact, anywhere something needs to be lifted, moved, rotated or conveyed.

We offer quality power transmission products, suitable for a wide range of applications, including high speed applications, from various manufacturers including belts, chains, couplings, pulleys, sprockets, and bushings.

Products for all your industrial or mechanical power transmission applications.



Screw Jacks

Screw Jacks are ideal for a wide variety of uses. They can be used to lift, pull, move, or align any load, even if highly unbalanced, with perfect synchronization offered by no other movement method.

Perfectly suited to positioning applications where accuracy can be guaranteed due to the mechanical nature of the screw jack system.





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HMA GROUP

MATERIALS HANDLING

WEAR SOLUTIONS

FLOW & INDUSTRIAL

INSTRUMENTATION

POWER GENERATION

GEOTECHNICAL

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