



PUMP & VALVE

SPECIALTIES LTD

Providing Pumping Solutions

Water, Waste and Reticulation



Water, Waste and Reticulation

Pump & Valve Specialties are proud to be actively involved in the Water, Waste & Reticulation industry in New Zealand.

As a supplier of quality pumps and valving products we are fully acquainted with what's important to you in ensuring efficient, trouble-free, reliability in your Water and Waste water operation.

Our vast range of innovative products and long service history to your industry will give you peace of mind when looking to upgrade or expand the equipment in your facility, from our extensive commitment to spares stock to our team of in-house engineers, we are totally committed to your industry and the contribution it makes to this country.

We are able to offer full technical support for all products with our fully equipped in-house engineering facility, giving us the ability to provide quick turn-around service for both new equipment and refurbishment and maintenance on existing plant.

Our engineers have considerable experience and understanding that proves invaluable when those challenging applications come along, whether it be partnering with you on plant design or to bring greater efficiency and reliability to your existing operation – we are here to provide the technical support you deserve.

With four branches nationwide we offer full on-site application assistance and commissioning to ensure your process is at its full potential.



MAG Drive Pumps are designed for chemical transfer.

Progressive Cavity Pumps

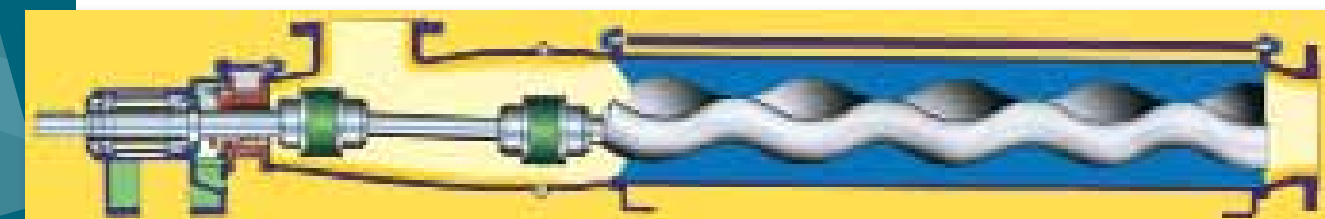


APPLICATIONS:

Sewage treatment plants for sludge transfer and polymer dosing.

FEATURES/SPECS:

- Self priming capability
- Cost effective
- Non-clogging
- Low internal velocity
- Reversible
- Able to handle solids laden liquids
- Flows to 345 m3/hr
- Pressures to 48Bar
- kW range 0.18kW – 75kW



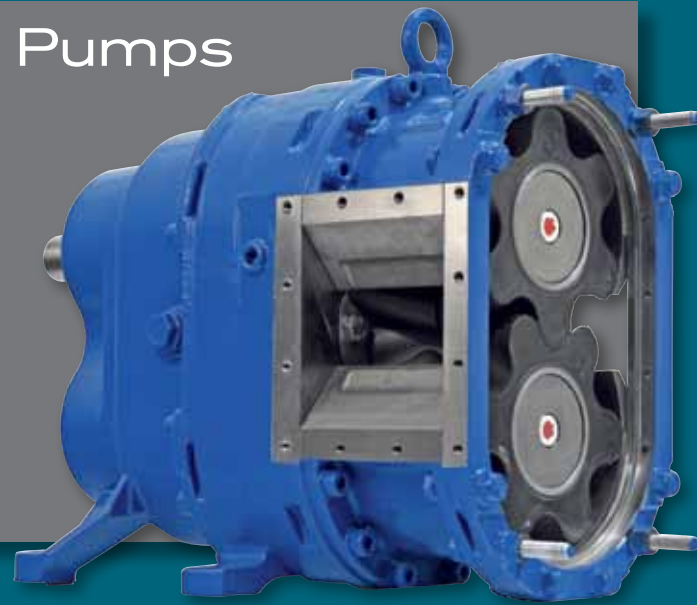
Rotary Rubber Lobe Pumps

APPLICATIONS:

Sludge transfer

FEATURES/SPECS:

- Run dry capability
- Rapid self priming,
- Easy maintenance
- Large solids handling capability
- Can handle high and low viscosities
- Flows to 1000m³/Hr.
- Pressures to 16Bar



Rota-Cut

APPLICATIONS:

Maceration of sewage, abattoir waste and by-products.

FEATURES/SPECS:

- Run dry capability
- Rapid self priming
- Easy maintenance
- Flows to 750m³/Hr.
- Reliable maceration of fibrous and coarse materials
- Protection from foreign objects for all downstream components
- Fluids and suspensions are homogeneous and less viscous, requiring less power consumption by mixing and pumping equipment.
- Auto reverse in case of jamming
- Self-sharpening blades



Dosing Pumps

SMART DIGITAL DOSING PUMPS

FEATURES/SPECS:

- Powerful variable-speed stepper motor
- Internal stroke speed control
- Flow control with selective fault diagnosis
- Integrated flow measurement
- Auto flow adapt
- Auto de-aeration also during pump standby
- Batch modes (timer- or pulse-based)
- Always full stroke length – even at small flow rates
- Smooth, continuous dosing
- SlowMode function for high-viscosity liquids
- Flow to 30 l/h
- Pressure to 16 bar
- Turn-down ratio 1:3000 (7.5-16) or 1:1000



Grit Pumps

APPLICATIONS:

Grit Pumping, Sand & Gravel

FEATURES/SPECS:

- Non clogging system
- Double shaft seal
- Increased efficiency
- Extended service life by generously dimensioned shafts and bearings
- Impeller options include open, single and twin vane, closed multi vane and vortex.
- Close coupled design
- Can be dry-mounted horizontally or vertically



Peristaltic Hose Pumps

APPLICATIONS:

Lime Slurry and Chemical dosing

FEATURES/SPECS:

- Seal-less
- Can run-dry without damage
- High suction capability
- Choice of hose materials
- Suitable for very high viscosities
- Ideal for abrasive slurries
- Temperature range 0-80°C
- Up to 15Bar discharge pressure



Magnetic (MAG) Drive Pumps

APPLICATIONS:

Chemical transfer

FEATURES/SPECS:

- Easy set outer drive
- Multiple impeller diameters
- Multiple connections
- Run dry system
- Close-coupled design
- Flows to 60m³/hr
- Pressure to 90psi
- Viscosity to 150 cP
- Max temperature 90°C



Packaged Booster Sets

APPLICATIONS:

Water Boosting, Irrigation Supply, Water Reticulation

FEATURES/SPECS:

- Vertical multistage centrifugal pumps.
- Inline design
- A complete turn-key package, tailored to suit your requirements
- Economical, reliable and trouble-free
- Easy to install and connect
- Numerous control options within two main types (fixed and variable speed)
- A single inlet and outlet connection for multiple pumps means no manifolding of pipe work is required on site.
- Flows to over 270 m³/hr
- Pressure to over 20 Bar
- Temp to over 140°C



End Suction Pumps

APPLICATIONS:

Wash down areas.

FEATURES/SPECS:

- Pumps available according to ISO, DIN, or ANSI.
- Flows from 2 to 1000 m³/h
- Head from 2 to 160 m.
- Motor sizes fall in the 0.55 to 355 kW range.
- Impellers are hydraulic balanced to reduce axial thrust.
- The pumps are of the back pull-out design enabling removal of the motor, coupling, bearing bracket and impeller without disturbing the pump housing or pipework.



Sewage Pond Mixers

APPLICATIONS:

Sewage settlement pond stirring

FEATURES/SPECS:

- Ideally suited to effluent pond stirring to aid in the prevention of solids settling and surface crusting
- Mounting options via threaded bracked or box section slide guide
- Inbuilt motor protection via Klixon thermal cut out. Water in oil sensor, 10m cable
- Stainless steel and cast iron construction
- Stainless Steel propellers
- Triple seal system (with DI sensor)
- Highest efficiency on the market (IE3 motors)
- Solids deflection ring protects mechanical seal
- Available up to 25kW

CONTROL PANEL HAS THE FOLLOWING FEATURES

- Motor overload protection
- On/off/auto control switch with time clock for optimized energy savings
- 24 hour time clock for optimised energy savings
- Visual alarm



Odour Filters

APPLICATIONS:

Vent stacks, pump stations, air valves, receiving manholes, sewer lines, holding tanks and overflow tanks

FEATURES/SPECS

- Low operating costs
- Long media life compared to standard carbon filters
- Reduces customer complaints
- Replacement media cartridges
- Economical & effective
- Can be adapted to any pipe size
- Low maintenance costs
- Adsorbs & treats gases fast
- Quick, safe & easy to install
- Size range to suit all sites
- Easy & safe servicing
- Wind assisted fans available



AODD Plastic Pumps

APPLICATIONS:

Chemical transfer

FEATURES/SPECS:

- Positive displacement
- Can be run dry
- Various elastomers
- Anti-freeze/anti-stall and lube free air distribution systems
- Range of designs
- Self priming
- High suction lift capability



Submersible Pumps

APPLICATIONS:

For the pumping of wastewater and sewage from buildings and sites in private, commercial, industrial and municipal areas.

FEATURES/SPECS:

- NEMA Class A temperature rise.
- Premium Efficiency motors in accordance with IEC 60034-30 level IE3 with testing in accordance with IEC60034-2-1.
- Continuously rated motor suitable for submerged and non-submerged applications.
- Double mechanical seals; SiC-SiC at the medium side, SiC-C at the motor.
- All seals are independent of rotation direction and resistant to temperature shock.
- Anti-wicking cable plug solution (80C - 150E), or water-pressure-sealed connection chamber (100G - 201G).
- Hydraulic options of Contrablock and Contrablock Plus impellers for high efficiency, or vortex impellers for maximum solids handling.
- Lubricated-for-life bearings with a calculated lifetime of minimum 50,000 hrs. (80C - 150E), and 100,000 hrs. (100G - 201G).
- Stainless steel shaft. Designed with high safety factor to prevent fatigue fracture.
- Temperature monitoring by thermal sensors (140 °C) in the stator windings.
- Seal monitoring by a moisture probe (DI) in the seal chamber (80C - 150E), or dry chamber (100G - 201G), which signals an inspection alert if there is leakage at the shaft seals.
- DN 80, DN 100, DN 150 and DN 200 radial slot DIN flange discharge.
- Maximum allowable temperature of the medium for continuous operation is 40 °C.
- Maximum submergence depth of 20 m.
- Explosion-proof as standard, in accordance with international standards Ex d IIB T4 and ATEX.
- Max Flow 1800l/sec
- Max Pressure 78m



Pulsation Dampeners

APPLICATIONS:

Water treatment

FEATURES/SPECS:

- Dampeners reduce pulsation, water hammer,
- Extend life of pumps, valves and pipe work
- Creates steady flow for dosing and blending.
- Range of sizes available.
- Simple installation.
- Wide range of metals, polymers and rubbers available to suit most applications.



Waste Water Blowers

APPLICATIONS:

Aeration for treatment of municipal and industrial wastewater

FEATURES/SPECS:

- High efficiency, guaranteeing optimal life cycle costs
- Low noise: no need for additional soundproofing
- Magnetic Bearings
- Permanent magnet motor
- Very quiet
- Vibration free
- Does not need to be installed in a purpose built building.
- Air flow range 1,000–16,000 Nm³/h
- Pressure range 30–120 kPa



Environmental Solutions



Oil retention and containment

- Pump stations
- Oil retention and containment



Domestic Pump Station



Municipal/Industrial Pump Station

Service



We have a dedicated service facility with trained engineers and test facility.

Your pump is in professional, trained hands from the time it comes through our doors until it is returned to you.

Every pump – where possible – is water tested on our test rig after service has been completed – providing total confidence in our workmanship.

Spare Parts



Full range of spare parts stocked to support our product line.

Spares stocked for all common industrial pumps and valves.

Parts sourced for all products.

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