



ALLFLO
PUMPS & EQUIPMENT

Industrial Fluid Handling Product Overview



1800 333 424 | www.allflo.com.au

Innovative Solutions for Industry

Originally formed as a family business, Allflo Pumps & Equipment have been actively involved in the pump industry for over 70 years.

Our product knowledge enables us to offer a full range of services from the initial consultancy through to final commissioning. Furthermore our fully equipped workshop and spare parts department offers a complete maintenance and reconditioning service for a wide variety of applications.

Creating Solutions for Heavy Industrial Pumping Requirements

Striving to be the best takes determination and a desire for excellence.

Trusted Reputation and Proven Performance

Allflo Pumps & Equipment has had years of research and development expertise. We have been meeting the challenging needs of our clients for many years by making sure they have the right equipment to satisfy their requirements.

Allflo Pumps & Equipment is the solution for all aspects of the food and beverage industry, industrial manufacturing, mining, waste water and environmental pumping needs.

Customer Support

Our friendly, trained sales and service teams, with combined experience, work hard to ensure our customers receive the highest standards of support and service.

Quality Guaranteed

Products are subject to stringent testing and re-testing requirements, using up-to-date technology and quality materials. We guarantee to provide the performance, quality and satisfaction that is required.

Service and Back Up

Allflo Pumps & Equipment products are supported by an extensive range of spare parts, accessories and a fully equipped workshop to ensure your equipment is performing to its best.



ALLFLO

PUMPS & EQUIPMENT

Contents

Self Priming, Solids Handling Pumps	4
Submersible Pumps	5
Air Operated Diaphragm Pumps & Pulsation Dampeners	6
Drum and Pallecon Unloader System	7
Piston/High Pressure Pumps	8
Multistage Pumps & Booster Systems	9
Cantilever Column Pump	10
Electric Diaphragm Pump	11
End Suction Centrifugal Pumps	12
Split Case Centrifugal Pumps	13
Magdrive Pumps	14
Peripheral Turbine Pumps	15
Liquid Ring Vacuum Pumps & Blowers	16
Helical Rotor (Progressive Cavity) Pumps	17
Lobe Pumps	18
Peristaltic Pumps	19
Gear Pumps	20
Dosing Pumps	21
Stainless Steel Centrifugal Pumps	22
Hygienic Centrifugal Pumps	23
Filter Vessels & Filter Bags	24
Mixers & Agitators	25
Submersible Mixers / Aerators	26
Eccentric Disc Pump	27
Slurry Pumps	28
Screw Centrifugal Pumps (Non-Clog)	29
Accessories	30
Spare Parts and Backup Support	31



ALLFLO
PUMPS & EQUIPMENT

SELF-PRIMING, SOLIDS HANDLING PUMPS

FEATURES AND BENEFITS

- Self-priming up to 7.6 meters static lift
- Externally adjustable wear plate
- Up to 76mm solids handling capability's
- Up to 165L/sec maximum flow (per pump)
- Up to 62 meters shut off pressure
- Available in cast iron, 316 stainless steel and CD4MCu construction
- Capability to dry run without damaging seal due to oil lubricated bearing and seal arrangement.
- Up to 250mm ports
- Complete pump-sets, bare pumps or spares available

APPLICATIONS

- » Trade waste
- » Dewatering
- » Solids handling applications
- » Sewerage
- » Water transfer



SUBMERSIBLE PUMPS

FEATURES AND BENEFITS

- Heavy duty construction
- 240/415 and 1000 volt options
- Solids handling models
- Oil lubricated mechanical seal for potential dry run protection
- Designed for harsh mining and construction conditions
- Suitable for low water level
- Run dry capabilities
- Various installation options
- Complete 31655 versions

APPLICATIONS

- » Solids handling applications
- » Wet well or dry well applications
- » Water transfer
- » Trade waste
- » Dewatering
- » Sewerage





ALLFLO
PUMPS & EQUIPMENT

AIR OPERATED DIAPHRAGM PUMPS & PULSATION DAMPENERS

FEATURES AND BENEFITS

- 0.25 inch to 3 inch pumps available
- Aluminium, stainless, polypropylene, Teflon and Kynar casing material available.
- Various elastomers available.
- Reliable continuous performance
- Simplest air motor design - All-Flo
- Non-stall, non-freeze air system
- Many different materials available
- Corrosion resistant
- Solids handling models available
- ATEX certified

APPLICATIONS

- » Self priming applications
- » Dewatering
- » Sludge removal
- » Solids handling applications
- » Paint, oils, fuel transfer and other process applications
- » For operation in potential high explosive areas



DRUM & PALLECON UNLOADER SYSTEM

FEATURES AND BENEFITS

- Diaphragm or Piston pumps available
- 1:1, 6:1; and 12:1 Air Motor Ratio's available
- Various elastomers and rubber available
- Can unload product from drums of pallecons
- Simple air motor design
- Can unload from 20 or 200 Litre drums
- Non-stall, non-freeze air system
- Many different materials available
- Corrosion resistant
- Solids handling models available
- Can be supplied in sanitary design
- Advanced control available – Data Track

APPLICATIONS

- >> Pump up to 1,000,000 cPs viscosity
- >> Up to 82 bar (1200psi)
- >> Air operated
- >> Up to 98% evacuation of drums
- >> Sanitary design available for pumping food and pharmaceutical products
- >> Silicones and adhesives
- >> Paint, oils, fuel transfer and other process applications
- >> Thick paint bases,
- >> For operation in potential high explosive areas





ALLFLO
PUMPS & EQUIPMENT

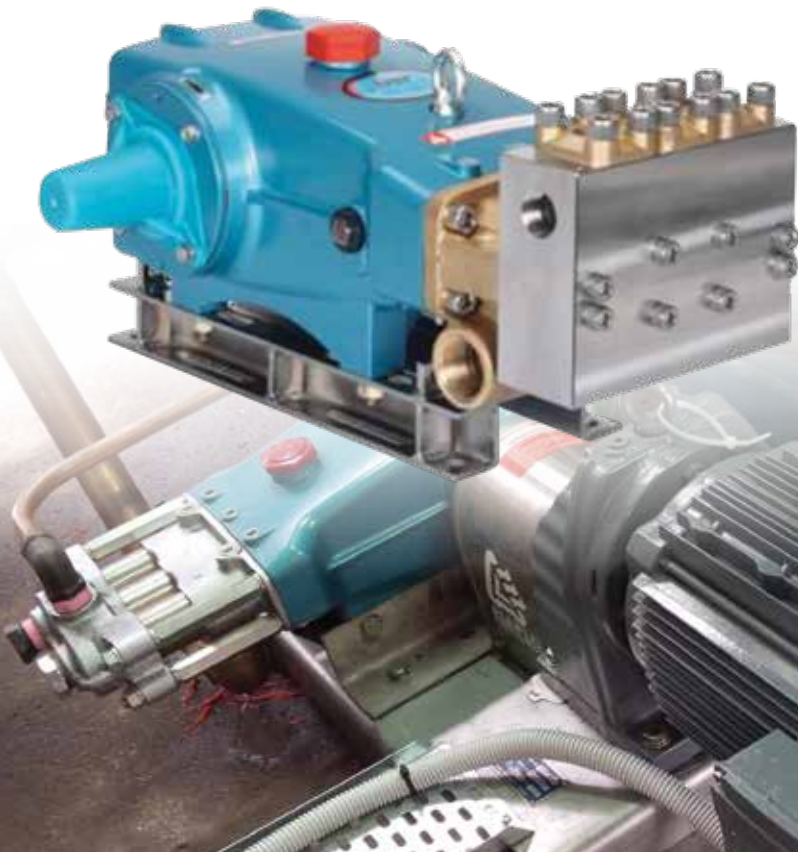
PISTON / HIGH PRESSURE PUMPS

FEATURES AND BENEFITS

- Direct or belt drive for performance flexibility
- Bell Housing / flange mount designs available
- Various power drive options available
- Custom built systems available
- Many different materials available
- Pressures of up to 689 BAR / 10,000 PSI
- Flow 0.5 to 908L/minute
- Liquid temperature: -10°C to +115°C

APPLICATIONS

- » Vehicle cleaning
- » Liquid misting
- » SW-RO / desalination
- » Equipment cleaning
- » High pressure hot water process
- » Agriculture spraying
- » For operation in potential high explosive areas



MULTISTAGE PUMPS & BOOSTER SYSTEMS

FEATURES AND BENEFITS

- Combined duties of up to 200L/second
- High Efficiency
- Simple operation
- Can be controlled on pressure or flow
- Reliable continuous performance
- Easy to Install
- Full stainless systems available
- Optional VFD control
- Up to 40 bar pressure
- Small footprint
- Inline design
- Horizontal or vertical design
- Full Integrated systems available
- Cartridge style mechanical seal

APPLICATIONS

- » Boiler feed water application
- » Washdown / cleaning applications
- » High pressure water transfer
- » High temperature water applications
- » Plant feedwater applications
- » Building services, pressure boosting.
- » High pressure, multiport fire systems
- » Heating, cooling and HVAC
- » Small footprint





ALLFLO
PUMPS & EQUIPMENT

CANTILEVER COLUMN PUMPS

FEATURES AND BENEFITS

- Submerged - eliminates priming issues
- No bearings or seals submerged in the liquid
- Can run dry indefinitely without damage
- Solids handling design available
- Vortex, open and closed impeller options available
- Various materials of construction available
- Handle high temperature liquids to 400°C
- Heads to 100m, Flows to 200 L/s

APPLICATIONS

- » Trade waste
- » Sewage pit applications
- » High temperature water applications
- » Solids handling and slurry transfer
- » Potential dry running applications
- » Sump pump out
- » Render plant applications



ELECTRIC DIAPHRAGM PUMPS

FEATURES AND BENEFITS

- Suction lifts to 7.5m
- Rapid self-priming
- Will run dry without damage
- Will operate on shore
- Will handle abrasive liquids
- Will pass solids up to 80% of port size
- Heavy duty, compact construction
- TEFC electric motors fitted as standard
- Petrol and diesel power options
- Portable lifting frames available
- Up to 76mm (3 inch) available

APPLICATIONS

- » Oil water separator systems
- » Sludge transfer / removal
- » Trade waste applications
- » Low pressure transfer
- » Gentle process required applications
- » Bilge pumping and machine sumps
- » Septic tank cleaning
- » Drum emptying
- » Dewatering excavations





ALLFLO
PUMPS & EQUIPMENT

END SUCTION CENTRIFUGAL PUMPS

FEATURES AND BENEFITS

- Duties of up to 280L/second
- Max pressure 16 bar
- Simple operation
- Reliable continuous performance
- Back pull out design
- Various construction options
- VFD control available
- Close coupled or long coupled available
- Various seal options available
- Single or multiple systems available
- Built to ISO specifications
- Full Integrated systems available



APPLICATIONS

- » Cooling tower / retort water
- » Washdown / cleaning applications
- » Plant feedwater systems
- » High temperature water applications
- » Building services pump systems
- » Pressure boosting
- » Fire systems
- » Heating, cooling and HVAC
- » Town water supply
- » Irrigation applications



SPLIT CASE CENTRIFUGAL PUMPS

FEATURES AND BENEFITS

- Duties of up to 3200 litres per second
- Pressures up to 20 bar (2000 kpa)
- Simple operation
- Reliable continuous performance
- Split case design
- Various construction options
- Multiport design available
- Various seal options
- Various construction options
- Precision cast casings for improved efficiency
- Heavy duty, low noise bearings



APPLICATIONS

- >> Cooling tower / retort water
- >> High flow applications
- >> Plant feedwater systems
- >> Building services pump systems
- >> Mid-stream flow transportation
- >> Mining and steel process applications
- >> Pressure boosting.
- >> Fire systems
- >> Heating, cooling and HVAC
- >> Town water supply
- >> Irrigation applications
- >> Pulp and paper





ALLFLO
PUMPS & EQUIPMENT

MAGDRIVE PUMPS

FEATURES AND BENEFITS

- Max operating pressure 25 bar
- High head / low flow
- Reliable continuous performance
- High torque magnetic coupling
- Various construction options
- Static seals (no leaks)
- Handle up to 20% entrained gas in liquid
- Heavy duty casing
- -50°C to +250°C temperature rating
- Balanced peripheral turbine style impeller
- Standard IEC flange mount motor



APPLICATIONS

- » Nitric ring main
- » Hazardous chemicals
- » High pressure
- » High temperature applications
- » Constant pressure systems
- » Ideal for pumping liquefied gas
- » Long pipeline chemical applications
- » Critical seal-less applications
- » Chemical circulation



PERIPHERAL TURBINE PUMPS

FEATURES AND BENEFITS

- Interchangeable with castor pumps
- Max operating pressure 25bar
- High head / low flow
- Reliable continuous performance
- High torque magnetic coupling
- Various construction options
- Static seals (no leaks)
- Handle up to 20% entrained gas in liquid
- Heavy duty casing
- -50°C to +250°C temperature rating
- Balanced peripheral turbine style impeller
- Standard IEC flange mount motor

APPLICATIONS

- » Nitric ring main
- » Hazardous chemicals
- » High pressure
- » High temperature applications
- » Constant pressure systems
- » Ideal for pumping liquefied gas
- » Long pipeline chemical applications
- » Critical seal-less applications
- » Chemical circulation





ALLFLO
PUMPS & EQUIPMENT

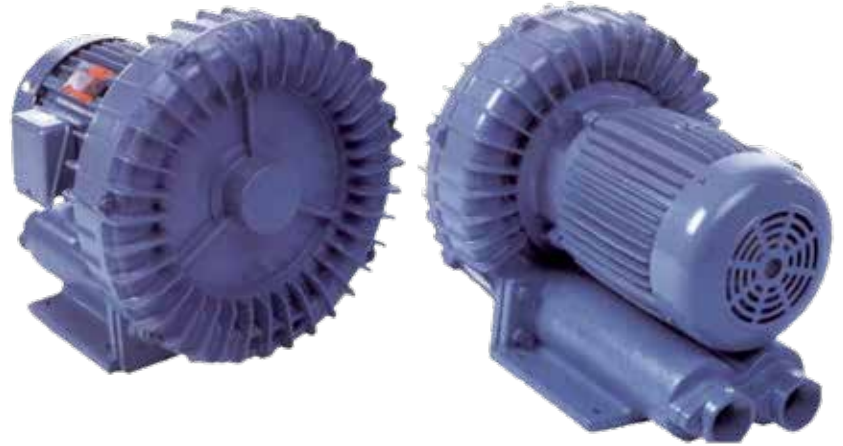
LIQUID RING VACUUM PUMPS & BLOWERS

FEATURES AND BENEFITS

- Duties of up to 10,350M³/hour
- Pressure range: 33 to 1013 mbar
- Simple operation
- Reliable continuous performance
- Single or double stage design
- Various construction options
- Close coupled or long coupled
- Various seal options
- No metallic contact of rotating parts
- Full integrated systems available

APPLICATIONS

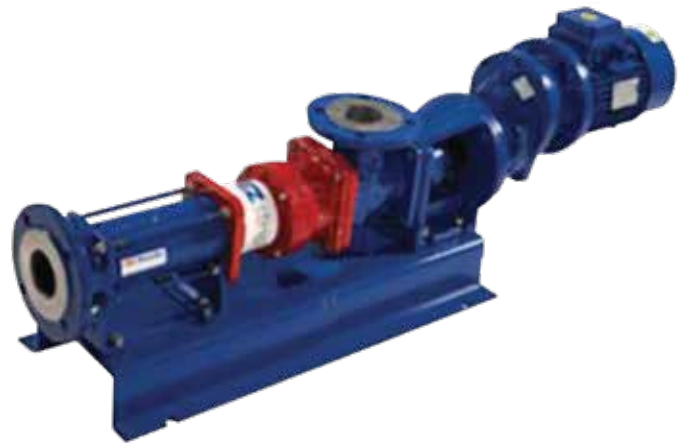
- » Handling of gases with entrained liquid
- » Chemical distilling and degassing
- » Product drying applications
- » De-orerisation
- » Sterilisation
- » Vacuum filling
- » Product transfer
- » Vapour recovery
- » Liquid priming applications
- » Central vacuum system



HELICAL ROTOR (PROGRESSIVE CAVITY) PUMPS

FEATURES AND BENEFITS

- Duties of up to 200M³/hour
- Pressure range: 1 bar – 36 bar
- Standard ports or hopper ports available
- Reliable continuous performance
- Up to 6 stage (high pressure designs)
- Various construction options
- Close coupled or long coupled
- Various seal options
- No metallic contact of rotating parts
- Sanitary or non-sanitary design
- Dry run system protection available



APPLICATIONS

- » Sludge dewatering
- » Irrigation systems
- » Viscous product transfer/process
- » Slurry transfer
- » Water treatment process
- » Abrasive product transfer/process
- » High discharge pressure process
- » Product dosing applications
- » Sanitary / food handling process
- » Capability of handling varying viscosities





ALLFLO
PUMPS & EQUIPMENT

LOBE PUMPS

FEATURES AND BENEFITS

- Flows of up to 120M³/hour
- Pressures of up to 34.5 Bar (500psi)
- Bi-lobe or tri-lobe rotors
- Non galling lobes available
- Various elastomer options
- Various sealing options
- Tri-Clover, BSM or flanged ports
- Self-draining design
- Aseptic ports optional

APPLICATIONS

- » Milk and dairy products
- » Chemical process
- » Brewing and beverage
- » Pharmaceuticals
- » Filling and metering process
- » Hygienic and sanitary applications
- » Product transfer
- » Food process
- » Meat products
- » Bakery process



PERISTALTIC PUMPS

FEATURES AND BENEFITS

- Duties of up to 90M³/hour
- Pressure range: 1bar – 16 bar
- No seals or valves within contact of process liquid
- Reliable continuous performance
- Various hose material options
- Low shear pumping action
- No metallic contact of rotating parts
- Sanitary or non-sanitary design
- Can dry run and not damage pump

APPLICATIONS

- » Paints and coatings
- » Mining industry
- » Viscous product transfer/process
- » Slurry transfer
- » Water treatment process
- » Abrasive product transfer/process
- » Anaerobic digestion and biogas
- » Product dosing applications
- » Sanitary / food handling process
- » Capability of handling varying viscosities





ALLFLO
PUMPS & EQUIPMENT

GEAR PUMPS

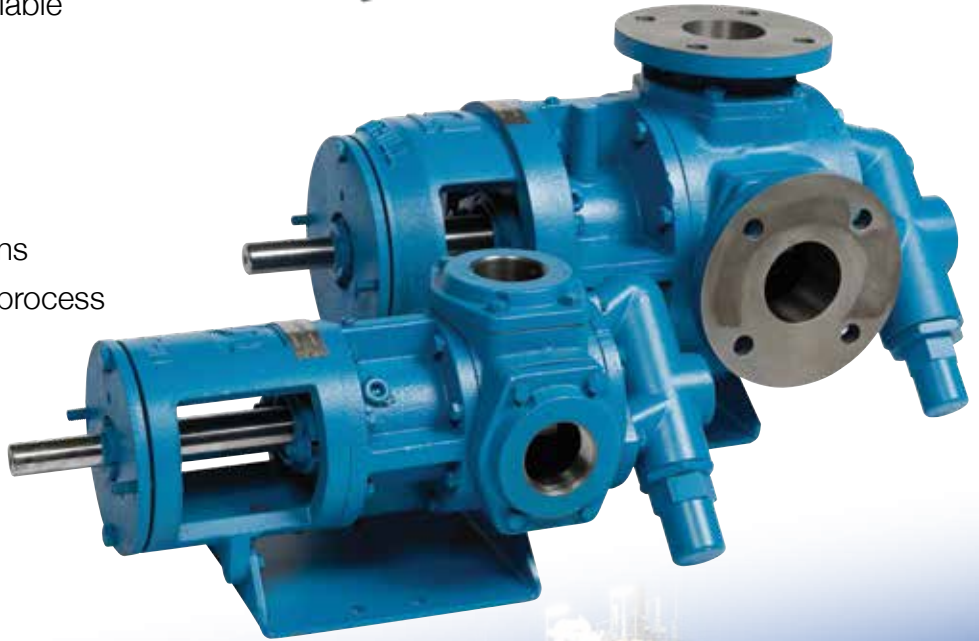
FEATURES AND BENEFITS

- Duties of up to 350M³/hour
- Pressure range: 1 – 20 bar
- Optional by-pass valve mounted on pump
- Reliable continuous performance
- Jacketed versions available
- Various construction options
- Standard or mag drive available
- Various seal options
- Heavy duty casting
- Variable port positions available
- Simple robust design



APPLICATIONS

- »» Chemical industry
- »» Resin pumping applications
- »» Viscous product transfer/process
- »» Adhesives and glues
- »» High temp applications (tar, asphalt)
- »» Soaps and detergents
- »» High discharge pressure process
- »» Paint and ink applications
- »» Foods stuffs – chocolate, oils, fat etc.
- »» Capability of handling varying viscosities



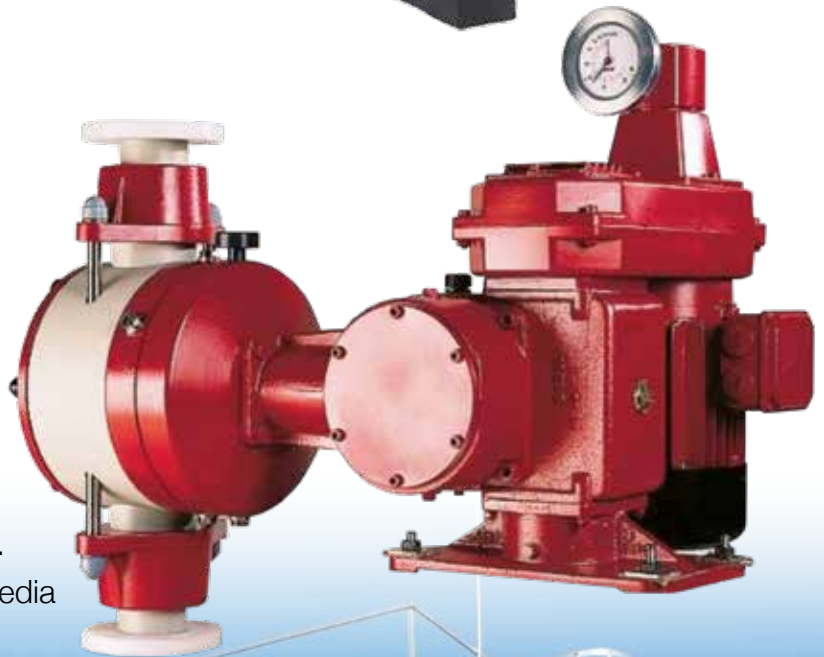
DOSING PUMPS

FEATURES AND BENEFITS

- Duties of up to 4,000 litres per hour
- Pressure range: 1 – 20bar
- Optional by-pass valve mounted on pump
- Reliable continuous performance
- Jacketed versions available
- Various construction options
- Seamless design
- 1000 : 1 turn-down ratio available
- Batch programming
- Anti-cavitation mode available for viscous fluids
- Solenoid or motor driven options

APPLICATIONS

- » Chemical industry
- » Dosing and batching applications
- » Corrosive chemical process
- » Water and waste water treatment
- » Potable water treatment systems
- » Swimming pools
- » Cleaning systems for process
- » Cooling tower water treatment
- » Foodstuffs – chocolate, oils, fat etc.
- » Suitable for toxic and aggressive media





ALLFLO
PUMPS & EQUIPMENT

STAINLESS STEEL CENTRIFUGAL PUMPS

FEATURES AND BENEFITS

- Duties of up to 200 M³/hour
- High quality – corrosion resistant
- Standard IEC motors used
- Close coupled design
- Available in kit form or complete units
- Various seal options
- Heavy duty casting
- Variable port positions
- Simple robust design
- Various seal material options

APPLICATIONS

- » Chemical industry
- » Plant services
- » Water supply system
- » Cooling water
- » Condensate return water process
- » Corrosive liquid process
- » Pressure boosting
- » Cooling and heating systems
- » Beverage processing
- » Hvac
- » Sprinkler and irrigation systems



HYGIENIC CENTRIFUGAL PUMPS

FEATURES AND BENEFITS

- Can be put in parallel for more pressure or series to get more flow
- Different material seal types available
- Multiple designs

APPLICATIONS

- » Food and beverage
- » Wines, alcohols, syrups and fruit juices
- » Evaporators
- » Decanting
- » Tank unloader
- » CIP fluids





ALLFLO
PUMPS & EQUIPMENT

FILTER VESSELS & FILTER BAGS

FEATURES AND BENEFITS

- High flow rates (up to 240M³/hour – per unit)
- Temperatures of up to 110°C
- Optimal filtration efficiency.
- Various materials of construction
- Various elastomer options
- Single or multi-bag units
- Duty stand-by designs
- Various bag materials
- Filtration from 1000 micron to 5 micron

APPLICATIONS

- » Adhesives
- » Cutting fluids
- » Juice and beverages
- » Dairy process
- » Oils and paints
- » Process water cleaning
- » Liquid sugar
- » Chemicals and resins
- » Oils



MIXERS & AGITATORS

FEATURES AND BENEFITS

- Flexible design
- Easily adjustable
- Hygienic construction
- Corrosion resistant
- Props to suit various applications
- Electric and pneumatic versions

APPLICATIONS

- » Food and beverage
- » Pharmaceuticals
- » Chemicals and explosives
- » Pulp and paper
- » Waste water treatment





ALLFLO
PUMPS & EQUIPMENT

SUBMERSIBLE MIXERS/AERATORS

FEATURES AND BENEFITS

- Guide rail mounted
- Cantilevered design
- Fast, medium and slow rotation mixers
- Low energy consumption
- High corrosion resistance
- Self-cleaning models

APPLICATIONS

- » Bioreactors
- » Activated sludge tank
- » Rain spillway basin
- » Liquid manure tank
- » Fish farms
- » Waste water lagoons



ECCENTRIC DISC PUMP

FEATURES AND BENEFITS

- Unique seal-less design - ensures long life and product purity
- Provides very high suction and discharge pressures
- Maximizes product recovery
- Clean in place (CIP) and Sterilize in place (SIP)
- Extremely accurate flow volume even at low speeds
- Consistent flow rate over a long period of time
- Can run dry for up to 5 minutes
- Extremely gentle, pulse-free flow
- Ideal for shear-sensitive products



APPLICATIONS

- » Most sanitary applications
- » Food and beverage
- » Pharmaceutical
- » Cosmetic processes
- » Moving liquid
- » Frozen meal production





ALLFLO
PUMPS & EQUIPMENT

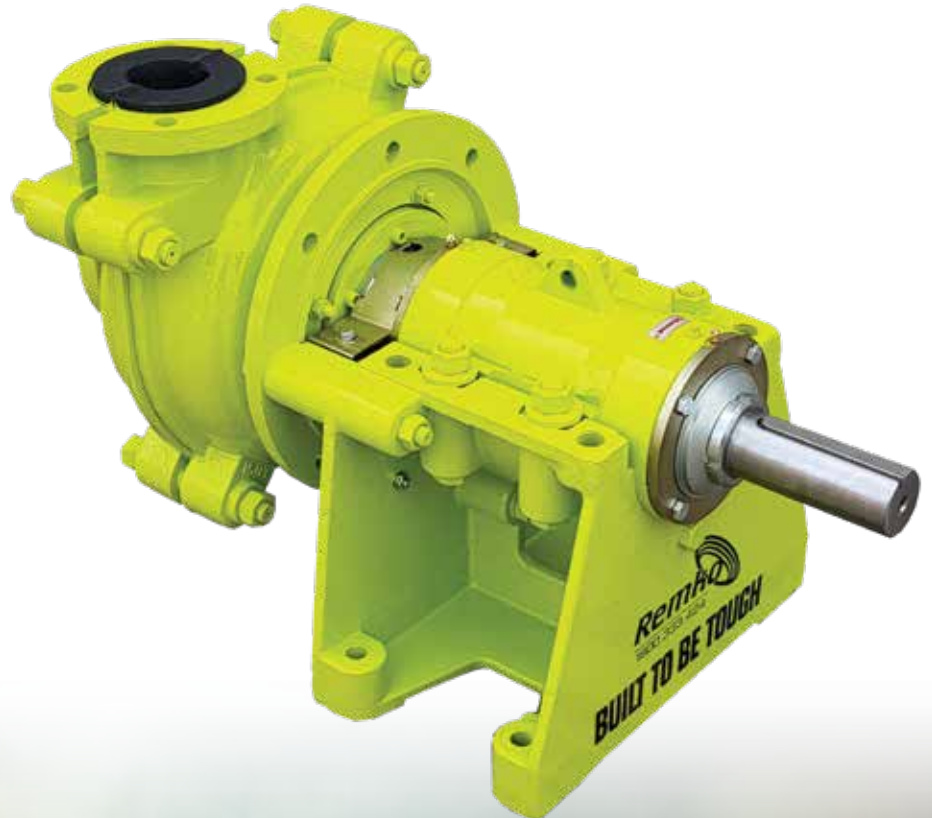
SLURRY PUMPS

FEATURES AND BENEFITS

- Rubber and metal lined pumps available
- Split casing for easy maintenance
- Moulded impeller for stronger wear resistance
- Various liner materials - metal and rubber
- Heavy duty/ rugged design

APPLICATIONS

- » Tailings
- » Mining
- » Quarries
- » Dewatering
- » Mill discharge
- » Recycling
- » Sand washing



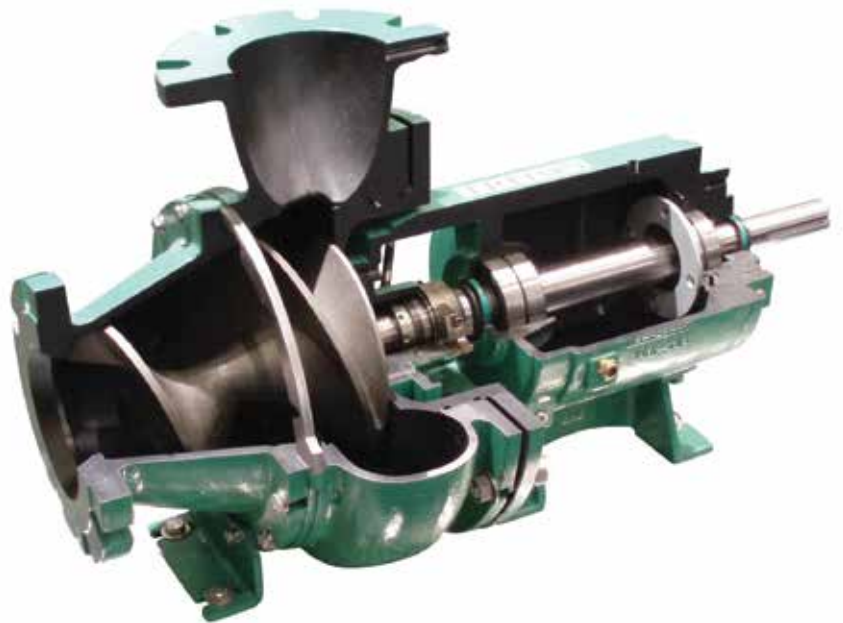
SCREW CENTRIFUGAL PUMPS (NON-CLOG)

FEATURES AND BENEFITS

- Solids handling – non clogging
- Great for viscous products
- Delicate product handling
- Low shear pumping
- Ideal for fibrous material

APPLICATIONS

- » Meat processing
- » Pulp and paper
- » Fish farming
- » Fruit and vegetable processing
- » Raw sewage applications





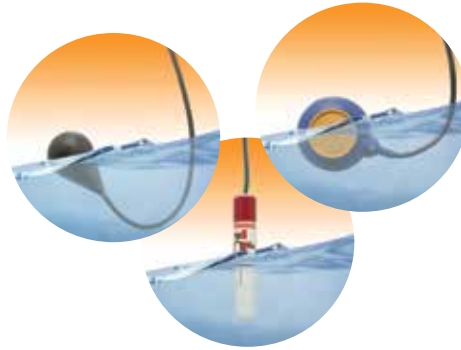
ALLFLO
PUMPS & EQUIPMENT

ACCESSORIES



PUMP CONTROLLERS

- Complete line of pump and pump system controllers, alarms and monitoring panels.



LEVEL SENSORS

- Float switches
- Process
- Ultrasonic sensors
- Level indication
- Conductivity probes



FLOW CONTROL

- Mag flow meters
- Turbine meters
- Batch controllers
- Digital read outs



SPARE PARTS

Most working equipment requires spare parts at one time or another and we have a diverse range of spares for many brands of pumps and equipment. We are confident that we can offer you all the spares you need and often next day delivery.



SEALING SOLUTIONS

- Cost effective solutions for leak free sealing of rotating equipment.
- Comprehensive range of many types of mechanical seals.
- Full reconditioning service for a wide range of seals.



VALVES & FITTINGS

- Full range of metal and plastic valves with the choice of pneumatic or electric actuators.
- Range of cam locks in different materials.
- Spray nozzle equipment.
- Flow control equipment.



OTHER PRODUCTS FROM ALLFLO PUMPS

- Diesel Back Up Pumps
- Drum Pumps
- Valves and Fittings
- Suction and Discharge Hose
- Spare Parts

SPARE PARTS AND BACKUP SUPPORT

Our dedicated customer service team consists of knowledgeable and experienced service technicians, and our support extends Australia wide.



Ask for a copy of our other brochures.



MINING



OIL & GAS



QUARRYING



CIVIL CONSTRUCTION



ALLFLO
PUMPS & EQUIPMENT

Tel: 1800 333 424

Tel: 03 5831 2220

Fax: 03 5822 4160

Email: sales@allflo.com.au

Web: www.allflo.com.au

TECHNOLOGY | EQUIPMENT | SOLUTIONS