



# WATER & WASTEWATER INDUSTRY CAPABILITIES



## Company Profile



Dynapumps has branches Australia wide to allow us to service all clients nationally and worldwide with all pump requirements. All offices can supply the complete range of the Dynapumps products and services. We have an extensive team of engineers to provide technical back up for all offices as well as a large manufacturing base for pump products and vacuum systems.

Our vision is to supply our clients with on time, high quality, recognised pump products as packaged equipment to their specifications with excellent after sales service and spares.

Dynapumps have decades of experience providing pump products for the Water and Wastewater industry. We deliver on efficiency, a reduction on high power consumption and to provide water at the lowest possible cost. Dynapumps manufactures FLO-MAX® Turbine and Submersible Pumps in Australia for the water and waste water industry along with other specialty products and services.

### Our Water & Wastewater Product Range:

- Vertical Turbines
- Self Priming Pumps
- Submersible Pumps
- Split Case Pumps
- Centrifugal Pumpsets
- Helical Rotor Pumps
- Rotary Lobe
- Dosing / Metering Pumps
- Peristaltic
- Rotary Lobe Pumps
- Dry Claw Compressors
- Dry Claw & Rotary Vane
- Vacuum Pumps
- Air Blowers



## Scope of Services provided



Dynapumps offers through our engineering and sales departments the following services:

### Project Development

- Technical Economic Feasibility Studies
- Preliminary Cost Estimates
- Evaluation of Technology Alternatives
- Preparation of Project Duty Specifications

### Design Engineering

- Structural
- Piping & Valves
- Instrumentation
- Electrical

### Commissioning and Training

- On site commissioning
- Operator Training
- Maintenance Training

### Procurement

- Tender Submissions
- Contract Review
- Certified Suppliers

### Manufacturing and Testing

- 2D & 3D Drawing Packages
- Welders Certified to AS1554, AWS D1.1, AS3992 & ASME IX
- In house assembly and testing to API 610, 675, 676, AS2417 or specified
- Client inspections are welcomed

### Quality

- Preparation of Quality Plan & ITP
- Document Index and Progress Reporting
- Manufacturing Procedure Qualifications
- Lessons learnt

### Safety

- Use of Take 5 system for risk analysis
- Preparation of Job Safety Analysis (JSA)
- Use of Safe Work Method Statements (SWMS)

### Workshop and Repairs

- Qualified and experienced welders and fitters
- Welding to Australian & International standards
- High pressure cleaning of pumps and parts
- Strip down with full report and photos
- Use genuine or re-engineered parts
- Failure analysis with Non Destructive Examination
- Rebuild to manufacturer's tolerances
- Laser align couplings
- Hydrostatic and/or performance testing
- Quote with Strip down photos
- Emergency repairs
- Contract price for regular service calls
- Pump and system audits
- Helium leak detection services
- System design support
- Installation/maintenance services



## Pump Range

### GRUNDFOS

Dynapumps have been distributing Grundfos products for many years. It is their mission to successfully develop, produce and sell high quality pumps and pumping systems world-wide, contributing to a better quality of life and a healthy environment. With an annual production of more than 16 million pump units, Grundfos is one of the world's leading pump manufacturers. Circulator pumps (UP), submersible pumps (SP), and centrifugal pumps (CR) are the three major product groups.



**Dynapumps®**  
DYNAMIC PUMP SOLUTIONS



#### Products

- Dosing
- Submersible Wastewater Pumps
- Mixers
- End Suction
- Multi-Pump Systems
- Vertical Multistage
- Renewable (Solar)
- Boosting Systems

### FLO-MAX

FLO-MAX pumps are manufactured in Australia, offering a wide range of vertical turbine and submersible borehole pumps. Sizes for the turbine pump range from 5" (125mm) through to 32" (800mm) sizes plus an extended range of axial flow pumps and larger turbines up to 54" (1400mm) are also available. Submersible sewage and dewatering pumps are available up to 22 kW size. Vertical (Direct driven) and Cantilever pumps (V-belt driven) with dry motors are manufactured for waste sumps in mining, oil & gas, power and general industry. All pumps are available in standard cast iron, gunmetal bronze for normal applications and exotic materials available such as duplex stainless steel and zinc free bronzes for more specialised applications.



#### Products

- Vertical Turbine
- Submersible

#### Specification Flow and Head (max.)

- < 10,800 m3/h
- < 500 metres

## Pump Range

### PACO

PACO Pump is proud to emphasize, quality, durability, and low life cycle cost in the development of each product line. PACO maintain a successful tradition of products from General Service, Sewage/Non-Clog, Effluent/Sump, Systems, Special Service, and Multistage product offerings.

PACO Pump has been designing, manufacturing, and distributing high quality pump products since 1907. PACO Pumps provides a wide range of products, with a vast array of models, sizes, and hydraulic lines to best suit your pumping application. The PACO line of pumps are one of the world's finest and most complete lines of centrifugal pumps and pumping systems and is manufactured and marketed by Grundfos CBS Inc.



**Dynapumps®**  
DYNAMIC PUMP SOLUTIONS



#### Products

- End Suction Pumps
- Split Case Pumps
- Submersible

#### Specification Flow and Head (max.)

- < 14,000 m3/h
- < 30 bar

### ARGAL CHEMICAL PUMPS

Argal has been designing and manufacturing pumps for chemicals made of thermoplastic polymers for 30 years. The Company delivers a large variety of pumps to address different industrial applications where temperature ranges from -40°C to 120°C, flow up to 1200 m3/h and head up to 150 metre.

From intake pumps to distribution pumps, there are many water processes, and Argal offers pumps that execute from minor to major operations such as filtration, draining, cleaning, recirculation and many more. Argal fibreglass pumps are perfect for running these processes thanks to their performance, high corrosion resistance and reliability.



#### Products

- Chemical Pumps
- Plastic Construction

#### Specification Flow and Head (max.)

- < 1200 m3/h
- < 150 metres

## Pump Range



### PIONEER PUMP

Pioneer Pump is a leading edge manufacturing company specializing in High Performance and Premium Quality Centrifugal Pumps. These pumps include Vacuum Assisted, Standard Centrifugal, Self Priming, Hydraulic Submersible, and Wellpointing. Pioneer's High Performance Pumps start with Superior Design Engineering. From Hydraulic Design to Materials Specification to Complete Package Layouts, Pioneer's Engineering Team utilizes the latest computer technology to engineer a superior product. Once designed Pioneer Pumps are put to the test in our complete pump testing lab, thoroughly tested to assure a quality and reliability.



#### Products

- Dewatering Pumps

#### Specification Flow and Head (max.)

- 1110lps -225m



### BOERGER

Boerger is synonymous for Rotary Lobe Pumps. The simple and ingenious principle of a self-priming, valveless positive displacement pump has found its market in all industries. In the last 20 years Boerger has developed worldwide leading products with representations on all five continents. Their products are designed for ease of maintenance and repair on site by your own staff. All replaceable parts are extremely tough, durable and very inexpensive. The extraordinary low Life Cycle Costs of Boerger Rotary Lobe Pumps are achieved by high efficiencies, inexpensive, high quality spare parts and by minimizing downtime through maintenance-friendly construction. Boerger Rotary Lobe Pumps are operated in all major industries. The modular design of the Boerger pump enables an individual approach to each application.

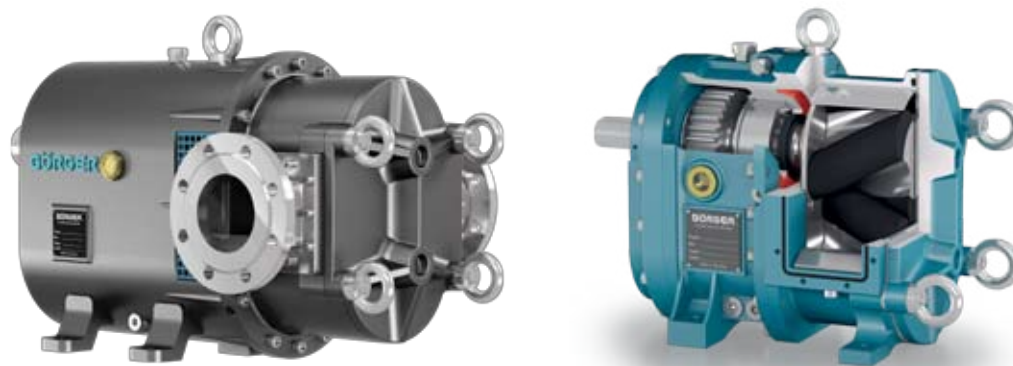


#### Products

- Rotary Lobe Pumps

#### Specification Flow and Head (max.)

- < 1 -1500 m3/h
- < 12 bar



## Pump Range



### VICTOR PUMPS

German company, Victor Pumps is a leading producer of Self-priming centrifugal pumps with open impeller for industrial waste water called S-Pump and the Rotary internal gear pumps for viscous products called R-Pump. Victor Pumps specialise in industrial applications, support end users and OEM's worldwide as their special design makes them suitable for abrasive liquids.

The technical requirement of the German industry along with the Italian creativity and flexibility guarantee a product that can be used all over the World. Castings, machining and assembly are all carried out in Italy near Padua to take advantage of the best this area has to offer. This, combined with German components, makes Victor Pumps an Italian product with the reliability of the German technology.



#### Products

- Self Priming

#### Specification Flow and Head (max.)

- <1500 m3/h
- < 70 metres



### SEEPEX

SEEPEX is a leading, worldwide specialist in pump technology. SEEPEX provide progressive cavity pumps, macerators, systems, maintenance services and spare parts. Each pump supplied meets the specific needs of an industry, a company, an application and the product pumped.

Progressive cavity pumps convey fluids gently and reliably to provide economical pumping solutions based on low pump life-cycle costs. They can be supplied with various rotor/stator geometries (conventional, 6L and Tricam geometry) and can be used in almost all branches of industry for pumping low-viscous to highly viscous media with or without solids.

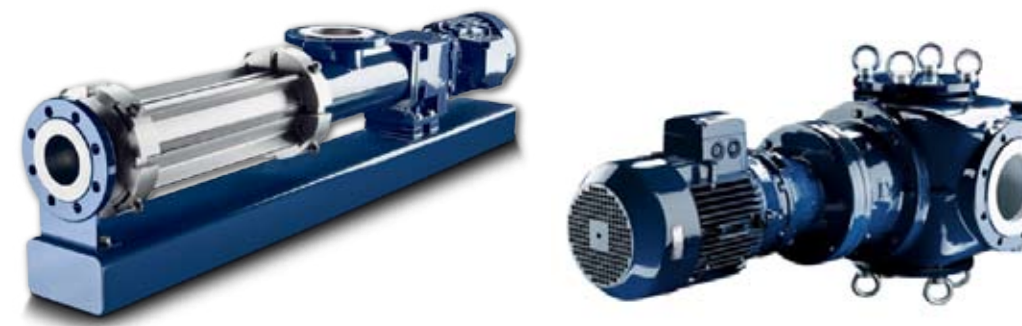


#### Products

- Helical Rotor

#### Specification Flow and Head (max.)

- < 500 m3/h
- < 48 bar



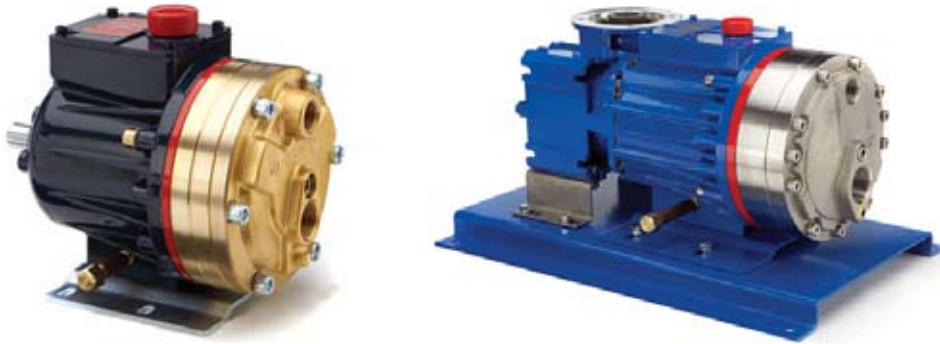


## Pump Range

### HYDRA-CELL

Hydra-Cell positive displacement pumps feature a sealless pumping chamber and hydraulically-balanced diaphragm design, enabling the pumps to provide leak-free, low-maintenance performance while processing difficult fluids over a wide range of pressures and flows.

Hydra-Cell pumps can run dry without damage and will handle abrasives and particulates (up to 500 microns) that can destroy other pumps. Multiple diaphragms minimize pulsations, so Hydra-Cell operates virtually pulse-free, often eliminating the need for expensive pulsation dampeners.



**Dynapumps®**  
DYNAMIC PUMP SOLUTIONS

**Hydra-Cell®**  
Seal-less Pumps

#### Products

- Diaphragm Pumps
- Metering Pumps

#### Specification

##### Flow and Head (max.)

- < 380 m<sup>3</sup>/h
- < 345 bar

### GRACO

Since 1926, Graco Inc. has been a leading provider of premium pumps and spray equipment for fluid handling in the construction, manufacturing, processing and maintenance industries.

Graco offers innovative products that set the quality standard for spray finishing, paint circulation, lubrication, sealant and adhesives dispensing, process application, and contractor power equipment.



**GRACO®**

#### Products

- Air Operated Double Diaphragm

#### Specification Flow and Head (max.)

- < 56 m<sup>3</sup>/h
- < 8 bar

## Pump Range

### TACMINA

TACMINA has specialised in manufacturing diaphragm metering pumps, and water treatment, disinfection, and process equipment systems.

The pump products they make are in active use worldwide in a wide range of leading-edge fields of industry-chemical plants, energy and environmental conservation, disinfection and water treatment-for the injection and transfer of hazardous chemicals, high-viscosity liquids, liquids containing slurry, and hot liquids.



**Dynapumps®**  
DYNAMIC PUMP SOLUTIONS

**TACMINA**

#### Products

- Pulseless
- Diaphragm
- Metering Pumps

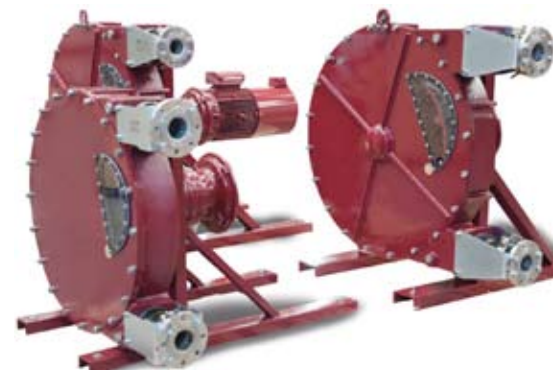
#### Specification Flow and Head (max.)

- 300 lph
- < 10 bar

### VALISI/ ASCI POMPE

Established in 1977, VALISI has been one of the first companies worldwide to develop and produce rotary peristaltic pumps and has become more and more specialized in this market segment thanks to a continuous evolution and research.

The complete range of pumps formed by three series and twenty-eight sizes, covered by patents that make the VALISI peristaltic pumps unique and inimitable. Among its straight points is the hose availability, offered in twelve different materials, that allow wide possibilities of applications in various industrial sectors.



**VALISI**

#### Products

- Peristaltic (Hose)

#### Specification Flow and Head (max.)

- < 150 m<sup>3</sup>/h
- < 15 bar



## Water Packages



### Yarra Park Recycled Water Treatment Plant

#### Application:

Rotary Lobe Pumps

- Pump Model: FL 776
- Pump Flow: 202 m<sup>3</sup>/h
- Operating Pressure: 6m
- Quantity: 2 duty / 1 standby
- Motor Power: 11kW 4 Pole



### Kwinana 120MW Open Cycle Gas Turbine Power Station

#### Application:

Vertical Turbine Pumps

- Performance Duty: 38.9 l/s @ 135 metres TDH, 75% efficiency
- Pump Supply: 2 off FLOMAX 316 SS Model 8JH 7 Stg vertical turbine pump
- Package 2 x Toshiba 75kW 4 Pole Electric Motor
- Pump Package also included performance and functional testing in accordance with AS2941-2008



### Incitec Pivot Cooling Water Pumps

#### Application:

Vertical Turbine Pumps

- Performance Duty: 3220 m<sup>3</sup>/hr @ 46 metres TDH, 85% efficiency
- Pump Supply: 4 off FLOMAX 32 H 2 stg 316 SS vertical turbine pump
- Electric Package 4 x Toshiba 520kW 6 Pole 3.3Kva HV Electric Motor according to specifications
- Pump Package also included performance and functional testing in accordance with AS2941-2008.



## Water Packages



### Ravensthorpe Nickel Mine

#### Application:

FLO-MAX Vertical Turbine pumps for main cooling water pumps for plant process water

- 7 x pumps with 315 kW, 6 pole motor
- 2398 m<sup>3</sup>/h @ 28 metres TDH
- Inlet: 762 mm
- Manufactured with corrosion resistant SAF 2507 Super Duplex Stainless Steel



### Pilot Geothermal Plant

#### Application:

Caustic Cleaning System for Geothermal Power Stations

- Centrifugal Caustic Circulating Pump
- Centrifugal Water Flush Pump
- Helical Rotor Caustic Dosing Pump
- Centrifugal Safety Shower and Eye Wash Pump
- Air Operated Diaphragm Glycol Pump
- Tanks, Valving, Instrumentation and Control Panel



### Beenyup Waste Water Treatment Plant

#### Application:

Digestor Bio-Gas Booster Pumps

- Pump Model –2 Northey3610 CWD Dry Claw Compressors
- Pump Flow –670m<sup>3</sup>/h at 200 kPa
- Motor Power –75 kW 6P Ex'dmotors suitable for continuous operation
- Pump Model –2 Northey3670 CWD Dry Claw Compressors
- Pump Flow –660m<sup>3</sup>/h at 45 kPa
- Motor Power –22 kW 6P Ex'dmotors suitable for continuous operation







**For more information and to request a quote contact  
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