

---

# Civil, Quarrying and Mining Product Guide 2026

---



# Your Fluid Challenges Solved

At Prime Fluid Management, we know that when fluid becomes a problem your project, productivity and compliance are at risk. This guide is a practical introduction to the solutions we offer across the civil, infrastructure, quarrying and mining sectors.

Whether you're managing groundwater, planning an infrastructure solution or maintaining production at a quarry or mine, we're here to help you keep things flowing.

<b>About Us</b>	A Safe Pair of Hands	3
	Six Reasons to Choose Prime	5
	Buy, Hire or Lease	7
	Our Process	9
<b>Dewatering, Bypass and Stormwater</b>	<i>About BBA Pumps</i>	13
	Mobile Auto-Prime Pumps	17
	Trailerised Pumpsets	19
	Wellpointing	23
	High Head Pumps	29
	<i>About Grindex Submersibles</i>	31
	Drainage Submersibles	33
	Drainage and Sewage Submersibles	35
	Hydraulic Submersibles	37
	PTO-Driven Pumps	39
	Trash, Diaphragm and Flexi-Drive	41
	Self-Priming Pumps	43
<b>Sand, Sludge and Slurry</b>	Air-Operated Slurry Pumps	47
	Air-Operated Diaphragm Pumps	49
	Sludge Submersibles	51
	Sand and Slurry Submersibles	53
	Dredge Pumps	55
	Peristaltic Pumps	59
	Process Pumps	61
	Centrifugal Slurry Transfer	63
	Auto-Prime Sludge Pumps	65
	Dredges	67
<b>Water Treatment</b>	<i>About Envirohub</i>	73
	Settling Tanks	75
	Dosing Systems and Telemetry	77
	pH Correction	79
	Concrete Washdown	81
	Sludge Bags and Sludge Bins	83
	Generators	89
	Accessories	91
	Technical Information	99

# A Safe Pair of Hands

**Prime Fluid Management is New Zealand's trusted name in fluid transfer and treatment. With decades of experience, nationwide support, and a deep understanding of site challenges, we deliver best-in-class pumping and water treatment solutions.**

Founded as a family business, we've grown to serve industries across the country – moving beyond pumps to provide integrated systems that boost productivity and meet future needs.

We stand out for our practical problem-solving, hands-on approach, and adaptable solutions.

Our people are problem-solvers.

Our products are proven.

Our service is second to none.



# Six Reasons to Choose Prime

**1**

## Experience That Counts

With roots in the industry since the 1990s, we've seen – and solved – it all.

**2**

## Service That Supports You

From planning to commissioning, we're with you every step of the way.

**3**

## Products That Perform

We only stock – or build – equipment we trust to deliver in the field.

**4**

## Systems That Scale

Whether it's a single pump or a full site solution, we've got capacity and capability.

**5**

## Innovation That Matters

Our in-house R&D team custom-builds solutions for New Zealand's conditions.

**6**

## Flexible Options

Hire, buy or lease – whatever works best for your project and budget.

## Nationwide Coverage

With six branches nationwide, a network of full-service workshops, and a strong inventory of genuine parts, we're ready to respond.



# Financial Flexibility: Buy, Hire or Lease

## Every Project is Different

That's why we offer flexible financial options to suit your business structure – whether you're allocating spend to CAPEX or managing OPEX budgets.

### Buy

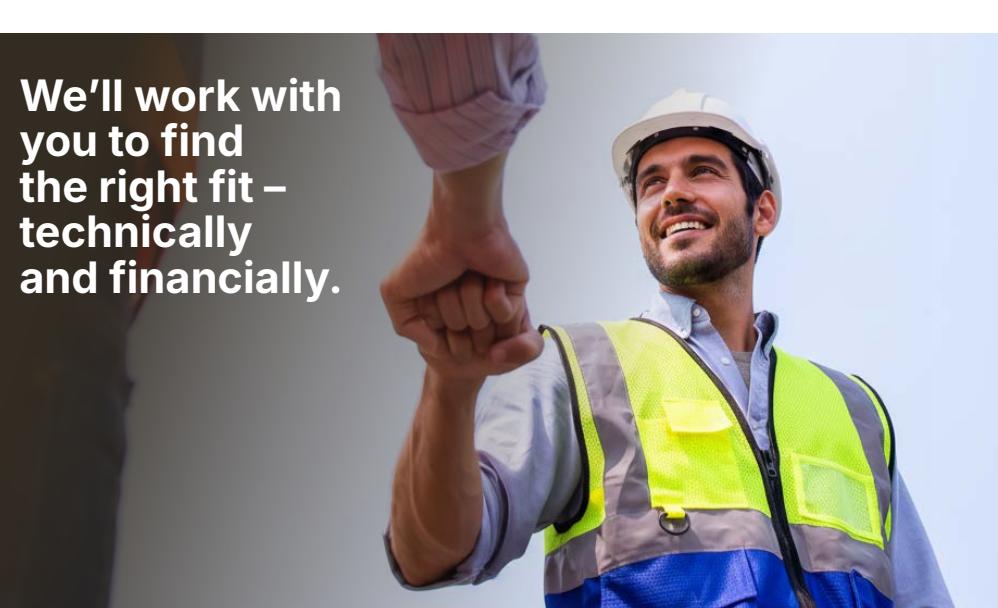
Best suited for long-term infrastructure or custom setups. We supply proven brands and engineered systems, backed by commissioning, training, and spare parts.

### Hire

Ideal for short-term projects, emergency response, or seasonal demand. Our fleet is modern, fully serviced, and ready to deploy.

### Lease

A smart middle ground. Access high-performance equipment without the upfront cost, with maintenance included and options to upgrade or purchase later.



**We'll work with you to find the right fit – technically and financially.**



# Our Process

The PRIME Project Delivery Pathway is a framework of the stages, roles, and decision points involved in delivering solutions from start to finish. It's designed to support consistency, clarity, and accountability across all projects, helping teams navigate delivery with confidence and alignment.



## Initiation and Planning

Define objectives, assess feasibility, engage stakeholders, and establish project scope.

- Site assessment
- Stakeholder alignment
- Project charter
- Risk identification



## Design and Development

Develop tailored solutions through iterative design and cost-time analysis.

- Conceptual & detailed design
- Value engineering
- Budget & schedule forecasting
- Design validation



## Execution and Implementation

Deliver the solution efficiently with minimal disruption and full compliance.

- Procurement & logistics
- Site preparation
- Installation & commissioning as required
- Quality assurance



## Operations and Support

Ensure long-term performance through proactive support and lifecycle services.

- 24/7 technical support
- Maintenance & monitoring
- Spare parts supply
- Continuous improvement

# Dewatering, Bypass and Stormwater

## **Portable pumping systems – ready when and where you need them**

From groundwater control to sewer bypass and stormwater response, we deliver fast, reliable solutions for civil projects, quarries, and mines.



# Proven Performance in Mobile Pumping

BBA Pumps manufacture surface-mounted, portable pump systems for high-volume fluid management in civil, quarrying, and mining environments. Known for their reliability, low operating costs, and forward-thinking approach to fuel technology, BBA remains the benchmark for contractors and site managers who need dewatering performance at scale.



# What They Make

BBA Pumps offers a focused range of mobile, surface-mounted pumps, designed for specific site conditions and operational needs. Use this guide to match the right pump to your job.

Pump Type	Use Cases	Key Features
<b>Auto-Priming Centrifugal Pump</b> BA Series	<ul style="list-style-type: none"> <li>Rapid, high-volume dewatering</li> <li>Temporary sewer bypass</li> <li>Stormwater diversion</li> <li>Flood response</li> </ul>	<ul style="list-style-type: none"> <li>Fast priming</li> <li>Reliable</li> <li>Handles air/water mix</li> <li>Autonomous operation</li> <li>Extended service intervals</li> </ul>
<b>Piston Pump</b> PT Series	<ul style="list-style-type: none"> <li>Wellpoint dewatering</li> <li>Long-term groundwater control</li> </ul>	<ul style="list-style-type: none"> <li>Continuous suction</li> <li>High vacuum</li> <li>Low maintenance</li> <li>Extended service intervals</li> </ul>
<b>PTO-Driven Pumps</b> Page 39	<ul style="list-style-type: none"> <li>Agriculture</li> <li>Emergency flood response</li> <li>Remote or rural pumping</li> </ul>	<ul style="list-style-type: none"> <li>Powered by tractor PTO</li> <li>No separate engine</li> <li>High volume</li> <li>Easy to deploy</li> </ul>

# Why Choose BBA?

## Flexible Configurations

Available in open or closed canopy designs, including ultra-quiet models suited to urban and residential environments.

## Fuel Cell Innovation

Evolving performance of electric drive models; active development of methanol, hydrogen, battery-electric, and other low-emission technologies.

## Built for Deployment

All units are mobile and designed for rapid setup in challenging conditions.

## Lower Operating Costs

Reduced fuel use and extended service intervals mean fewer stoppages and lower maintenance spend.

## Global Trust

Used in flood control, sewer bypass, and mine dewatering projects across Europe, Africa, and beyond.

## Backed by Experience

With over 70 years of pump innovation, BBA combines proven engineering with practical insight.



# Mobile Auto-Prime Pumps

[HIRE ME](#)

## Flexibility Without Compromise

The BA Series from BBA Pumps delivers portable, dependable, high-flow pumps renowned for their low maintenance, long service intervals, and fuel economy. Use for: sewer bypass, flood response, overpumping and site dewatering.



**Efficient and Low OPEX**  
Hydraulic design and modern engines deliver fuel consumption as low as 0.6 L/hour, and 85% pump efficiency.



**Flexible Drive Options**  
Available in diesel, electric and battery-electric configurations – supporting emissions targets.



**4-year BBA Limited Factory Warranty**  
Peace of mind with service and support based in New Zealand.



**Low Maintenance**  
Mechanical priming system (no oil, no electronics) and service intervals up to 1,500 hours reduce downtime and servicing costs.



**Deployment Versatility**  
Choose from silenced canopy, open frame, or trailer-mounted units. Optional float control enables unattended operation.

## What is Auto-Prime?

Auto-priming centrifugal vacuum pumps combine vacuum assistance with high-efficiency hydraulics – allowing fast, reliable priming even in mixed air/water conditions, without manual intervention.

## Specifications

**Max Flow** 3,200m<sup>3</sup>/hr

**Max Head** 48m

**Solids** 42mm – 115mm

**Drive** Electric, diesel, battery-electric

**BA55E D220 Battery Electric**



**BA100k D193 Diesel**



**BA150E D285 Diesel**



**BA180E D328 Diesel**



**BA180E Electric**



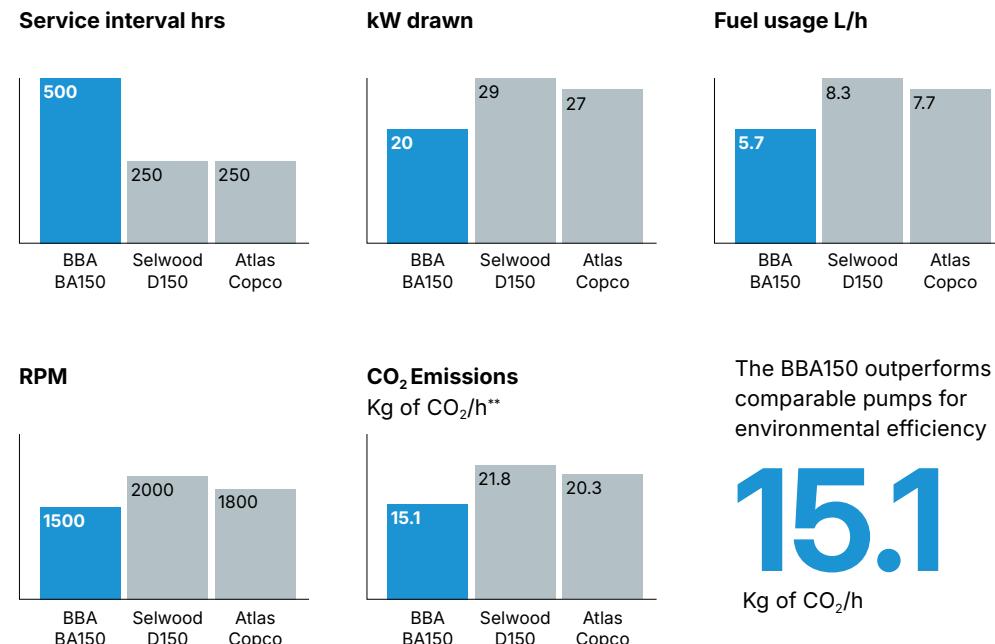
**BA400G D540 Diesel**



# Performance Comparison

## 6-Inch Pumps Compared\*

Comparing 6-inch dewatering pumps for performance efficiency and emissions based on a flow rate of 360m<sup>3</sup>/hr and head of 15mwc. The pumps compared were the BBA BA150, Atlas Copco PAS 150MF 250 and the Selwood D150. The BBA pump outperforms across the board.



\* Data sourced from publicly available specifications sheets and performance curves for each model.

\*\* Calculated using actual fuel consumption in L/hour x 2640 grams ÷ 1000 = CO<sub>2</sub> kg/hour.

# Trailered Pumpsets

[HIRE ME](#)

## Ready When it Matters Most

A custom Prime solution developed in response to Cyclone Gabrielle, these trailer-mounted units are built for fast deployment and long-term reliability. Designed to securely house silenced-canopy BBA pumps, hoses, pipes and fittings, they make for easy towing and storage.



### 3" to 8" Pump Sizes

Select pump size based on flow rates and needs.



### Towable by Ute / Light Truck

No special transport required – move quickly when time matters.



### Easy Access to Hoses and Couplings

Secure, practical storage for hoses and fittings.



### Built for Long-Term Storage

Durable, weather-resistant and ready for emergency use.

# Western Trunk Sewer Main

**Contractor** Pipeworks

**Location** Lower Hutt

A 24/7 bypass system moved 350L/s of raw sewage over 900m using BA180 pumps and remote monitoring – delivered with zero downtime over two weeks.



# Wellpointing

[HIRE ME](#)

## Groundwater Management – Whatever Lies Beneath

The PT-Series from BBA Pumps provides reliable suction in unpredictable ground conditions. These piston pumps are ideal for wellpointing, trenching, and general groundwater control, especially where inflow is low or variable.



**Efficient and Low OPEX**  
Fuel use as low as 0.7L/hr and extended service intervals that deliver significant savings.



**Low Maintenance**  
1,500 hours service intervals – six times longer than standard piston pumps with fewer consumables and less wear.



**Run-dry Capable**  
No damage, no drama – ideal for fluctuating inflow.



**Compact and Quiet**  
Compact, sound-attenuated canopies suit the PT Series to tight or urban sites.



**Flexible Drive Options**  
Available in battery-electric, diesel, electric, and hybrid configurations.



**4-year BBA Limited Factory Warranty**  
Peace of mind with service and support based in New Zealand.

### What is a Piston Pump?

Piston pumps use mechanical suction to move water and air through a sealed chamber. They're ideal for wellpointing because they maintain vacuum even with low or fluctuating inflow – making them dependable in unstable soils.

### Specifications

**Max flow** 90m<sup>3</sup>/hr

**Max head** 20m

**Sound** 48dB @10m (Diesel)

**"Prime has been a vital partner in the construction of a WWPS with their well-pointing equipment. It's quality equipment and parts alongside excellent customer service."**

Sam Dews, Sierra Delta Civil Ltd

**BBA PT90 Hybrid**



**BBA PT100 Battery-electric DPU**

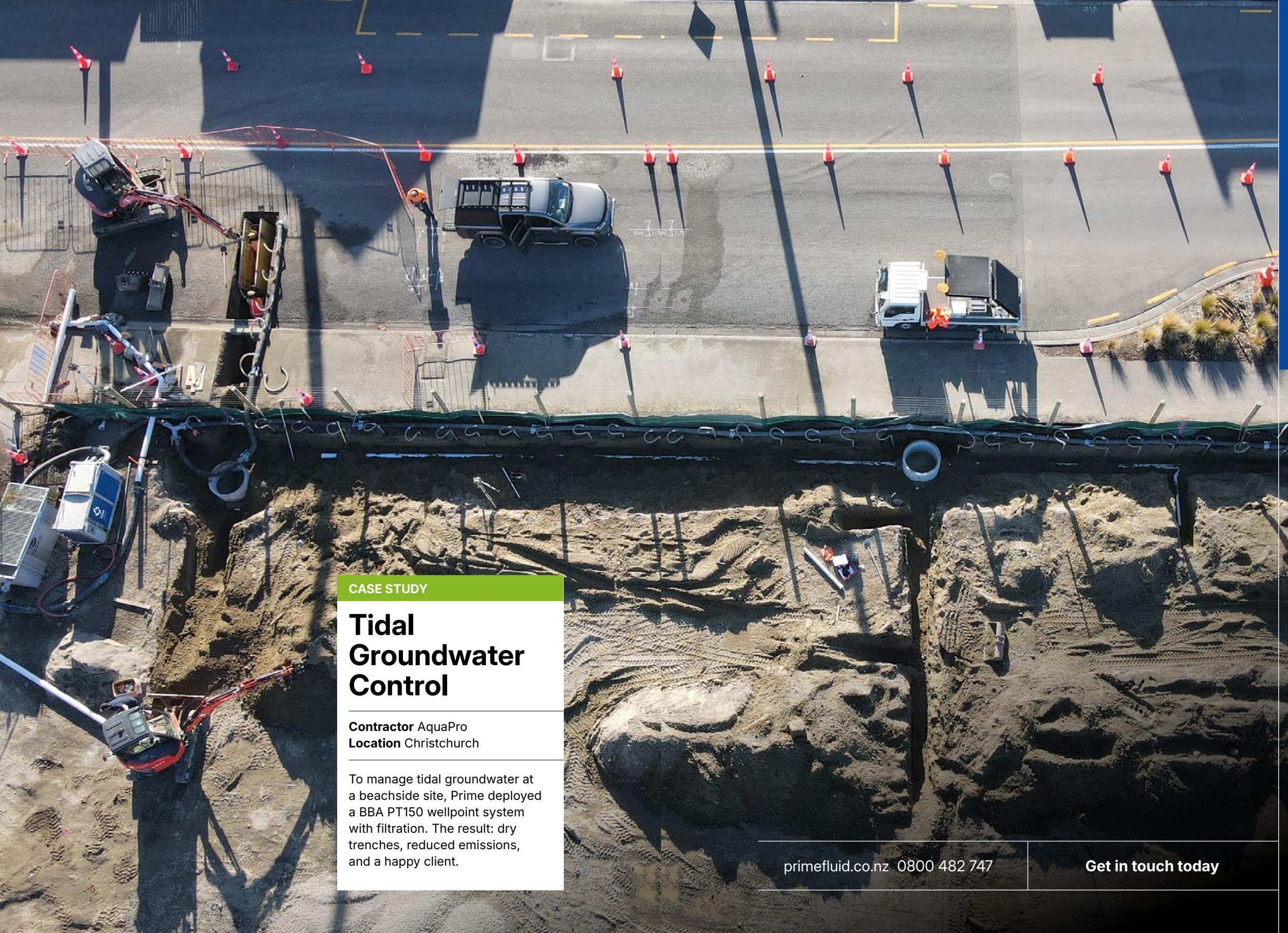


**BBA PT100 Battery Electric**



**BBA PT150 Diesel**



**CASE STUDY**

## Tidal Groundwater Control

**Contractor** AquaPro  
**Location** Christchurch

To manage tidal groundwater at a beachside site, Prime deployed a BBA PT150 wellpoint system with filtration. The result: dry trenches, reduced emissions, and a happy client.

[primefluid.co.nz](http://primefluid.co.nz) 0800 482 747

Get in touch today

# Proven OPEX Savings

## We Compare the BBA PT150 vs a Clasal ZD900

Over a 4,900-hour operating period, the BBA PT150 piston pump delivers major savings in both servicing and fuel. Here's how it stacks up against a comparable competitor pump.

Model	BBA PT150	Clasal ZD900
Service intervals (hrs)	1500	250
No. of services	3.3	19.6
Service cost*	\$3,135	\$18,620
Fuel usage (L)	1.2	2.1
Total fuel used (L)	5,880	10,290
Cost per litre at time of comparison	\$2	\$2
Total fuel cost	\$11,760	\$20,580
<b>Servicing cost savings</b>	<b>\$15,485</b>	
<b>Fuel savings</b>	<b>\$8,820</b>	
<b>TOTAL SAVINGS</b>	<b>\$24,305</b>	

\*Assumption: average servicing cost is \$950



# High Head Pumps

[HIRE ME](#)

## When You Need Pressure, Not Problems

Some jobs need more than standard pressure. Whether you're pumping uphill, over long distances, or through complex pipework, Prime Fluid Management has an extensive range of high-head pumps, from surface- and trolley-mounted to submersibles.



### BBA BA-Series Auto Prime

<b>Size</b>	3" – 4"
<b>Max Flow</b>	420m <sup>3</sup> /hr
<b>Max Head</b>	115m
<b>Max Solids</b>	80mm
<b>Drive</b>	Diesel or electric
<b>Options</b>	Skid, trailer, canopy, float switch, telemetry
<b>Application</b>	Drainage, high pressure transfer, sewage

### Grindex High Head Submersibles

<b>Size</b>	4" – 6"
<b>Max Flow</b>	65L/s
<b>Max Head</b>	210m
<b>Max Solids</b>	12mm
<b>Drive</b>	Electric (submersible)
<b>Materials</b>	Aluminium, cast iron, stainless steel
<b>Application</b>	Drainage, high pressure supply

## Need help choosing the right pump?

We'll help you configure the pump and set-up to suit your site conditions – and back it with servicing and support.



### Axis Diesel High Head

<b>Size</b>	75 – 400mm
<b>Max Flow</b>	3250m <sup>3</sup> /hr
<b>Max Head</b>	115mwc
<b>Max Solids</b>	75mm
<b>Drive</b>	Diesel
<b>Options</b>	Skid, canopy, float switch, telemetry
<b>Application</b>	For significant suction lifts and discharge pressure

### Axis Self-Priming High-Pressure Jetting Pump

<b>Size</b>	75mm
<b>Max Flow</b>	23L/s
<b>Max Head</b>	70m
<b>Drive</b>	Honda V-Twin (electric start)
<b>Application</b>	High pressure jetting, washdown, irrigation



# Proven Performance in Mobile Pumping

Grindex pumps are built for the kind of jobs where failure isn't an option – deep pits, flooded tunnels, corrosive water, and abrasive slurry. For over 80 years, this Swedish brand has focused on one thing: making submersible pumps that survive the harshest conditions and keep working when others don't.

Whether you're dewatering a mine, bypassing stormwater, or managing groundwater on a construction site, Grindex pumps are trusted worldwide for their rugged reliability and smart design.



## Why Choose Grindex?

### Run-Dry Capability

Patented air valve lets pumps run dry without damage.

### Modular, Service-Friendly Design

Easy access to components. No special tools required. Fewer service hours.

### Built for Abuse

Hard Iron™ impellers, corrosion-resistant options, and zinc anodes available for saltwater and low pH.

### Plug and Pump

Most models start without external control gear. Fewer parts, faster setup.

### SMART Motor Protection

Built-in system monitors temperature, phase failure, and water ingress. No external panel needed.

### Energy Efficient

Uses up to 30% less power than comparable pumps – lower running costs over time.



# Drainage Submersibles

[HIRE ME](#)

## Drainage Pumps That Don't Quit

Grindex drainage pumps are made for moving dirty water fast, even when it's full of grit, sand, or suspended solids. They're used in places where water is a problem and time is short: construction sites, mines, tunnels, and emergency dewatering.



### Handles Abrasive Solids

Pumps raw or spillage water with sand, silt, or solids up to 12mm.



### Swivel Discharge

Fits into tight or awkward setups.



### No Control Panel Needed

Up to the Matador model, just plug in and pump.



### Corrosion-Resistant Options

Stainless steel builds and zinc anodes available.



### Run-Dry Without Damage

Patented air valve allows dry running without damage, backed by a two-year run-dry warranty on most models.

## Grindex Drainage Series Overview

Models	Micro, Milli, Mini, Minex, Minette, Minor, Major, Master, Matador, Magnum, Mega
Size	2" – 10"
Flow	6 – 350L/s
Head	15 – 150m
Max Solids	12mm
Power	0.6 – 95kW

## Accessories

- Tandem connections
- Zinc anodes
- Low suction collars
- Level regulators
- Phase shifters
- Cables

Mini



Minette



Minor



Matador



Mega



primefluid.co.nz 0800 482 747

[View the full range](#)



# Drainage and Sewage Submersibles

[HIRE ME](#)

## Low-Fuss Dependability

PRORIL submersible pumps are a no-fuss option for moving water and waste on tough sites. Built for continuous use and easy servicing, they're used widely in civil construction, quarrying and mining – and they're a favourite in our hire fleet.



### Full Range

From nuisance water to raw sewage.



### Biodegradable Lubricant

Reduces risk of harm if spilled on site.



### Tough Build

Chrome steel impellers, polyurethane cables.



### Easy to Maintain

Designed for quick, on-site servicing.

## Pump Types

### Drainage

For clean or dirty water with grit. Reliable in tough conditions.

### Cutter Sewage (GoCut)

Shreds fibrous waste like rags and wipes. Great for bypass jobs.

### Vortex Sewage (GoVox)

Moves solids and sludge without clogging. Low wear, long life.

### Single Channel Sewage (GoMax)

Closed impeller pump for solids-laden wastewater. For commercial and industrial applications.

SmartLite 400



TANK 380 Slim



TANK



GoCut



GoMax



GoVox



Specifications	Drainage	Sewage
Size	2" – 8"	2" – 6"
Max Flow	110L/s	100L/s
Max Head	90m	42m
Max Solids	35mm	76mm
Power	0.4 – 45kW	0.4 – 22kW
Materials	Cast iron, stainless steel	Cast iron, stainless steel

primefluid.co.nz 0800 482 747

[View the full range](#)



# Hydraulic Submersibles

## For Confined Spaces and Wet Environments

DOA's range of compact hydraulic submersible pumps is built for tough drainage jobs where electric or engine-driven pumps aren't practical – like confined spaces, wet environments, or remote sites. Powered by portable hydraulic power packs that are compact enough to carry by hand.

These pumps suit trench and shaft dewatering, tunnel drainage, emergency flood response, and pumping from manholes or pits. They're ideal for remote sites without power, and some models can handle hot fluids when fitted with Viton seals.



### Run-Dry

Can run dry indefinitely without damage – no need to monitor constantly.



### Lightweight and Compact

Easy to carry and deploy.



### Simple, Robust Design

Minimal maintenance across the range.



### Tool-Free Access

For inspection and cleaning.

## Specifications

Size	2" – 8"
Max Flow	170L/s
Max Head	75m
Max Solids	50mm
Weight	8 – 52kg



SP20

SP35



SP45

SP55



# PTO-Driven Pumps

[HIRE ME](#)

## Fast, Flexible, and Built for Large Volumes

When there's a tractor onsite, PTO-driven pumps are a cost-effective way to move large volumes of water quickly. Use for: flood response, irrigation, emergency fluid bypass.



### Fast to Deploy

Ideal for emergency response or seasonal use.



### No Additional Engine Maintenance

Uses your existing tractor.



### Compact Footprint

Easy to store and transport.



### Backed by Service

Set-up and servicing support. Available for hire.

## BBA Models

Choose from semi-open, enclosed and mixed-flow impeller models depending on your application. Vacuum-assist or dry-prime centrifugal available.

**Size** 6" - 16"

**Max Flow** 3,000m<sup>3</sup>/hr

**Max Head** 38m

**Max Solids** 100mm

**Application** Flood control, dirty water, emergency pumping

## Veneroni ETR Propellor Pumps with Hydraulic Rotation

Highly efficiency double-propellor pump requiring low power to achieve high flow/ high head. Hydraulically adjustable delivery pipe.

**Size** 250 - 500mm

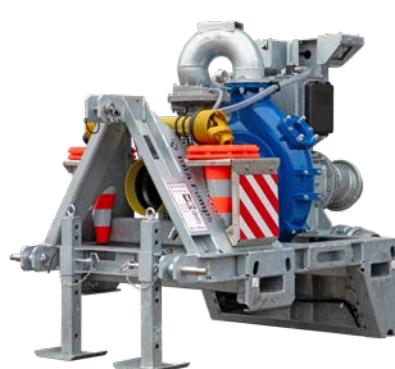
**Max Flow** 3,600m<sup>3</sup>/h (1,000 L/s)

**Max Head** 11.6m

**Max Solids** Not designed for solids

**Application** Irrigation, emergency pumping water transfer

BBA BA160L



BBA BA400



Veneroni ETR Series



primefluid.co.nz 0800 482 747

**Get in touch today**

# Trash, Diaphragm and Flexi-Drive

[HIRE ME](#)

## Deal to Intermittent or Small-Scale Problems

When water, sludge or slurry turns up in the wrong place – trenches, pits, footings or low spots – these portable pumps are a handy fix. Use when dewatering is intermittent, or when volumes are low but still need shifting.

Prime holds high stock levels nationwide, so we are ready to go when you are.

### Caffini and Honda Trash

Great for shifting dirty water with grit. They're petrol or diesel powered, self-priming, and easy to move – ideal for site drainage, washdown pits, and stormwater.

#### Specifications

<b>Size</b>	3" or 4"
<b>Max Flow</b>	40L/s
<b>Max Head</b>	32m
<b>Max Solids</b>	40mm
<b>Drive</b>	Diesel, petrol
<b>Options</b>	Carry frame



### Caffini Diaphragm

Handles thick, sludgy water with solids. They can run dry without damage and are suited to seepage pits, sediment ponds, and slurry.

#### Specifications

<b>Size</b>	2" – 6"
<b>Max Flow</b>	14L/s
<b>Max Head</b>	15m
<b>Max Solids</b>	60mm
<b>Drive</b>	Electric, petrol
<b>Options</b>	Carry frame, trolley



### Flexi-Drive

Designed for shallow water and tight spots. A petrol or diesel engine powers a flexible shaft, making them ideal for footings, manholes, and trenches – no priming needed.

#### Specifications

<b>Size</b>	2" or 3"
<b>Max Flow</b>	18.5L/s
<b>Max Head</b>	26m
<b>Drive</b>	Diesel, petrol



# Self-Priming Pumps

## High Solids, Abrasive Water Transfer

Varisco J-Series pumps provide rapid self-priming and reliable performance when water contains sand, silt, mud, and solids up to 75mm. Built for continuous operation and easy maintenance, they work well in quarry dewatering, stormwater bypass, and bentonite transfer applications.



### Rapid Self-Priming

Starts pumping without foot valves or manual priming.



### Configurable

Available in open or canopy sets for noise and environmental control.



### Durable Construction

Heavy-duty design with replaceable wear parts for long service life.



### Handles Large Solids

Passes solids up to 75mm in abrasive or contaminated water.



### High Output

Flow rates up to 330L/s and heads up to 110m.

## Varisco J-Series Overview

<b>Size</b>	1" – 12"
<b>Max Flow</b>	330L/s
<b>Max Head</b>	110m
<b>Max Solids</b>	75mm
<b>Drive Options</b>	Diesel, electric, hydraulic

JP Series Hydraulic



JS Bareshaft



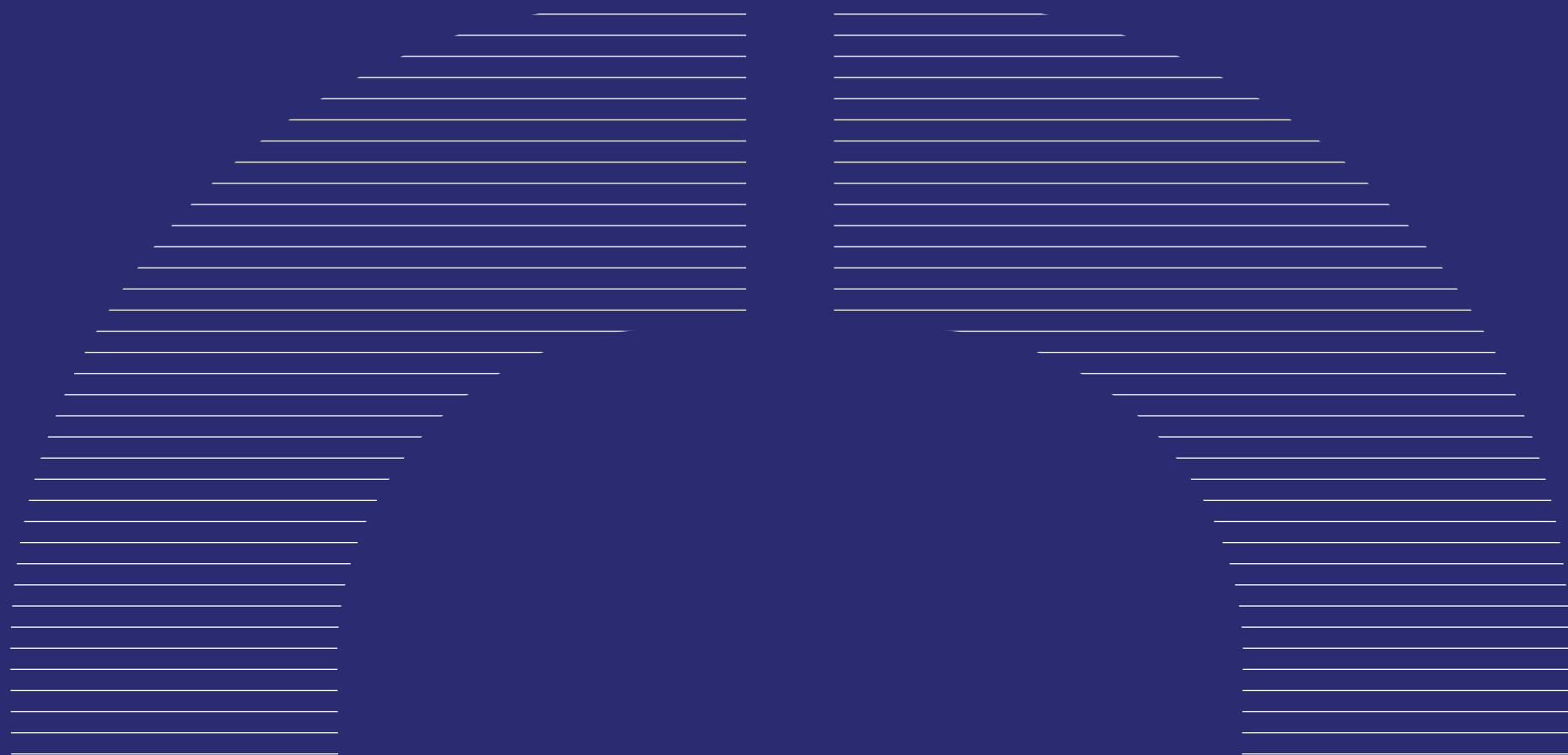
JE Series Close-Coupled



# Sand, Sludge and Slurry

## Practical pumping for solids-heavy jobs

Built for abrasive, solids-heavy flows, our pumps handle everything from pond desludging to sand and slurry transfer. We match materials and configurations to the job, backed by hands-on expertise and practical support to keep your system running reliably.



# Air-Operated Slurry Pumps

[HIRE ME](#)

## Solids Recovery When Other Pumps Fail

SolidsVac pumps are engineered for high-performance solids recovery in the toughest conditions. These air-operated vacuum systems move abrasive, corrosive, and heavy slurry where conventional pumps fail – making them ideal for mining, industrial, and hazardous environments.



### Intrinsically Safe

Air-operated – no electrical components near the fluid.



### Compact and Mobile

Lightweight designs available in site-cart or skid-mounted formats.



### For High-Density Solids

Pumps thick sludge, slurry, and solids up to 80mm with minimal wear.



### Low Air Consumption

Up to 30% more efficient than comparable systems.



### Corrosion-Resistant Build

316 stainless steel construction for aggressive fluids and environments.



### Flexible Operation

Adjustable load/discharge cycles and Jetpack options.

## Range Overview

<b>Max Flow</b>	16.5L/s
<b>Max Head</b>	70mwc
<b>Max Solids</b>	80mm
<b>Weight</b>	15 – 1,000kg
<b>Configurations</b>	Site cart, skid frame

## Accessories

- Dewatering box
- Drop box
- Float switch
- Heads – duck bill, vacuum
- Hoses – vacuum, discharge
- In-line annular
- Level sensor
- Strainers
- Surface skimmer
- SV800 carousel
- 38mm vacuum / 50mm suction wands

SV20



SV70-SPDK



SV150-CVCD



Dewatering Box



Vac Pack



Duck Bill and Vacuum Head



# Air-Operated Diaphragm Pumps

## Pumps 2000 Yellow Series

These diaphragm pumps handle abrasive, solid-laden, and corrosive fluids in mining, tunnelling, and industrial drainage applications. The air-operated units outperform heavier metal pumps with lightweight, non-corroding construction and low air consumption – making them ideal for confined spaces, remote sites, and hazardous zones.



**Handle Large Solids**  
 Pass suspended solids up to 75mm.



**Self-Priming and Lubrication-Free**  
 No oil required.  
 Can run dry without damage.



**Low Air Consumption**  
 Efficient operation reduces energy use and frees up air for other equipment.



**Lightweight and Impact-Resistant**  
 Nylon blend housing is tough but easy to handle.



**ATEX Certified**  
 Safe for explosive atmospheres (M2 rating).



**Flexible Operation**  
 Hytrel elastomers and engineered plastics suit saltwater and low pH fluids.

## Range Overview

<b>Size</b>	½" – 4"
<b>Max Flow</b>	540gpm / 34.1L/s
<b>Max Solids</b>	75mm
<b>Weight</b>	7 – 139kg
<b>Configurations</b>	Portable, high volume, site cart

## Accessories

- Air hose kits
- Strainers
- Discharge hose
- Vacuum hose
- Float switches
- Jetpack boosters
- Mounting frames

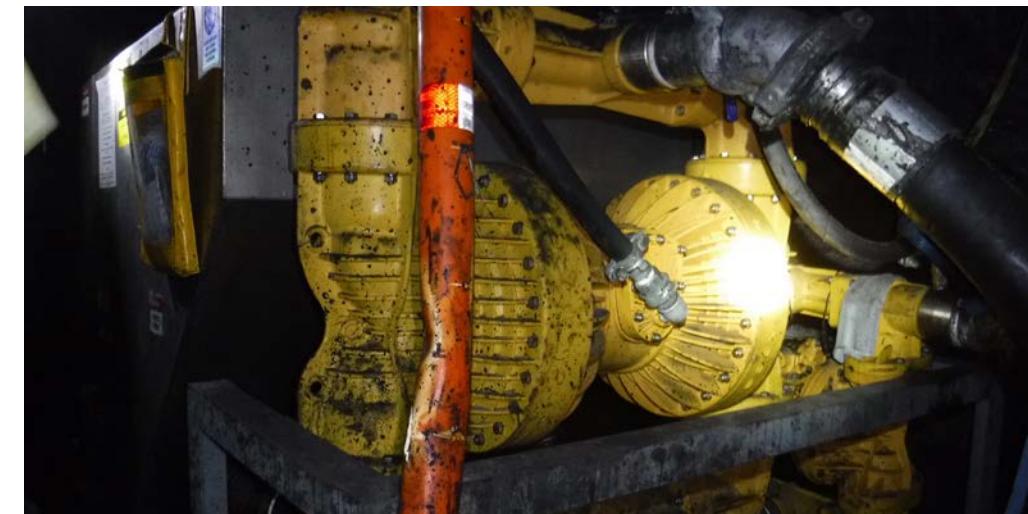
P40BY (Ball Valve)



HV75BY (Ball Valve)



HV100SY (Slurry Valve)



# Sludge Submersibles

[HIRE ME](#)

## For Sludge with Solids – No Compromises

Grindex sludge pumps move thick fluids containing solids. From site runoff with coarse debris to bentonite or drill cuttings, these pumps move material others can't, without clogging, overheating, or wearing out prematurely.



### Run-Dry Protection

Patented air valve system allows dry running without damage. Most models include a two-year run-dry warranty.



### Single and 3-Phase Options

Configurations to suit site power setups. Smaller models are plug in and pump.



### INOX Stainless Steel Versions

Handling fluids with pH 2-11, the INOX stainless steel range uses AISI316 or better for all parts in contact with liquid.



### Modular Design

Shared components across models simplify servicing and reduce downtime.



### Lightweight

Durable and easy to handle. Ideal for mobile setups and confined spaces.

## Series Overview

<b>Models</b>	Solid, Salvador, Sandy, INOX
<b>Size</b>	2" – 4"
<b>Max Flow</b>	24L/s
<b>Max Head</b>	40m
<b>Max Solids</b>	80mm
<b>Power</b>	0.9 – 5.6kW
<b>Max Depth</b>	20m
<b>Weight</b>	17 – 56kg

## Accessories

- Zinc anodes
- Pump pontoons
- Starter boxes and phase shifters
- Level regulators and cables
- Spare parts kits

**Solid**
**Senior INOX**

**Salvador**
**Sandy**

[primefluid.co.nz](http://primefluid.co.nz) 0800 482 747

[View the full range](#)


# Sand and Slurry Submersibles

[HIRE ME](#)

## Dependable Sand and Slurry Management

Proril Stormy pumps are a practical choice for operators who need dependable equipment that works hard, lasts well, and keeps costs under control. Built for tough slurry and sand pumping applications – from quarry pits to construction sites, they feature high chrome wear components, robust cast iron construction, and motor protection.



**High Chrome Wear Parts**  
Patented ACrS Technology applied to impellers, agitators, and wear plates for extended life in abrasive conditions.



**Eco-Friendly Lubrication**  
Food-grade lubricant reduces environmental impact.



**Double Mechanical Seals**  
Silicon carbide seals in an oil chamber for added protection and longevity.



**Hardened Cast Iron Construction**  
Durable, impact-resistant housing built for harsh environments.



**Motor Protection**  
Integrated thermal protector guards against overheating and run-dry.



**Top Discharge Cooling**  
Side-flow design cools the motor even at low water levels. Ideal for confined spaces.

## Stormy Series Overview

<b>Size</b>	3" – 8"
<b>Max Flow</b>	110L/s
<b>Max Head</b>	30m
<b>Max Solids</b>	25 – 35mm
<b>Power</b>	3.7 – 22kW
<b>Weight</b>	110 – 367kg

STORMY 337-S



STORMY 337-P



## Proril Sand and Slurry Range



primefluid.co.nz 0800 482 747

[View the full range](#)



# Dredge Pumps

[HIRE ME](#)

## Extreme-Duty Pumps for Extraction and Sludge Management

Dragflow dredge pumps are engineered for extreme-duty applications, handling abrasive slurries with high solids where other pumps fail. With decades of experience and a global reputation for reliability, Dragflow delivers proven technology for mining, construction, and industrial projects worldwide.



**High-Solids Capability**  
Handles up to 70% solids by weight and solids up to 120mm.



**Drive Options**  
Available in hydraulic and electric models to suit site requirements.



**Heavy-Duty Construction**  
High-chrome wear parts and low-speed operation reduce wear and extend service life.

### Series Overview

<b>Size</b>	3" – 14"
<b>Max Flow</b>	2,300L/s
<b>Max Head</b>	72m
<b>Max Solids</b>	120mm
<b>Drive</b>	Hydraulic, electric
<b>Power</b>	3.7 – 475kW
<b>Weight</b>	170 – 4,600kg

### Use for:

- Material extraction
- Slurry transfer
- Dewatering

[Electric Dredge Pump](#)

[Electric Sidecutters](#)

[Hydraulic Sidecutters](#)



[Hydraulic Dredge Pump](#)

[Jetring](#)



[primefluid.co.nz](http://primefluid.co.nz) 0800 482 747

[View the full range](#)





**"The Dragflow is a beast of a pump. It never let us down over the duration of the project. It's been the most reliable bit of kit we've had on site."**

# Peristaltic Pumps

## Low Maintenance, Reversible Pumping

LSM peristaltic pumps use a hose-and-roller design that eliminates seals and valves, reducing maintenance and downtime when pumping thick slurries or fluids with high solids content. They are self-priming, reversible, and can run-dry without damage. Use for: quarrying, mining, industrial processing.



**Self-Priming and Run-Dry**  
Starts without manual priming. Runs dry without damage.



**Handles Difficult Fluids**  
Suitable for viscous slurries and fluids with high solids or dry matter.



**Simple Maintenance**  
No seals, valves, or glands. Only the hose contacts the fluid.



**Reversible Operation**  
Fill and empty tanks with one pump.



**Lower Energy Use**  
Efficient design reduces power costs compared to other pump types.



**Material Options**  
Stainless steel versions available.

## Series Overview

<b>Size</b>	3/8" – 8"
<b>Max Flow</b>	83L/s
<b>Max Head</b>	50m
<b>Drive</b>	Electric
<b>Weight</b>	25 – 5,500kg

## LSM Peristaltic Pumps



# Process Pumps

## High-Density Slurry Pumps

SlurryPro pumps are built for continuous handling of abrasive, high-density slurries with minimal maintenance. Designed for mining, quarrying, recycling and industrial use, they combine robust construction with smart features to reduce downtime and extend wear life.



### Built for Abrasive Media

Handles mineral slurries, tailings, and high-density mixtures.



### Corrosion-Resistant

High-chrome or rubber linings for wear and corrosion resistance.



### Modular Construction

Interchangeable components simplify maintenance and reduce inventory complexity.



### Seal Options

Mechanical seals, packing, or centrifugal seals to suit application requirements.

## Series Overview

<b>Size</b>	1.5" – 20"
<b>Max Flow</b>	4,240m <sup>3</sup> /h (≈ 1,177L/s)
<b>Max Head</b>	89m
<b>Max Solid</b>	135mm
<b>Power</b>	15 – 1,200kW
<b>Drive</b>	Electric
<b>Weight</b>	Varies by model



# Centrifugal Slurry Transfer

## High-Volume Slurry Pumps for Drilling and Site Dewatering

MCM centrifugal pumps are built for fast, efficient transfer of drilling muds, polymers, and abrasive slurries. Their high flow rates and low pressure needs reduce energy use and operating costs, making them a smart alternative to positive displacement pumps.

Available in horizontal, vertical, diesel, hydraulic, and close-coupled formats, these pumps can be packaged to suit your site layout and power source.



### Efficient Slurry Blending

Provides consistent shearing for even mixing of water, mud, and additives.



### Flexible Configurations

Choose horizontal, vertical, belt-driven, hydraulic, or diesel-powered setups.



### Built for Harsh Fluids

Handles abrasive and corrosive slurries with minimal wear.



### High Flow, Low Pressure

Delivers up to 285L/s with reduced power draw.



### Space-Saving Options

Mud Master models offer compact designs for tight installations.

## MCM Range Overview

Size	1" – 12"
Max Flow	285L/s
Max Head	105m
Rotation	Left or right hand
Drive Options	Hydraulic, diesel, belt, close-coupled

## Accessories

- Pump bases
- Shaft sleeves
- Seal kits
- Impellers
- Packing glands
- Motor mounts
- Drive belts



**"We've got a Grindex Maxi in the treatment sump that's been running solid for about four years."**

Jodi Murray, Bathurst Resources Water Engineer, Stockton Mine

# Auto-Prime Sludge Pumps

[HIRE ME](#)

## Quick-Priming Pumps for Bentonite and Abrasive Sludge

BBA Pumps' BV Series is built for bentonite and abrasive sludge applications where fast-priming and solids-handling are critical. Vacuum-assisted priming and re-priming reduces delays, and the open impeller design handles solids up to 80mm without clogging.



### Handles Bentonite and Abrasive Sludge

Passes solids up to 80mm for demanding drilling and civil works.



### Open Impeller Design

Large free passage for high-solid pumping.



### Flexible Configurations

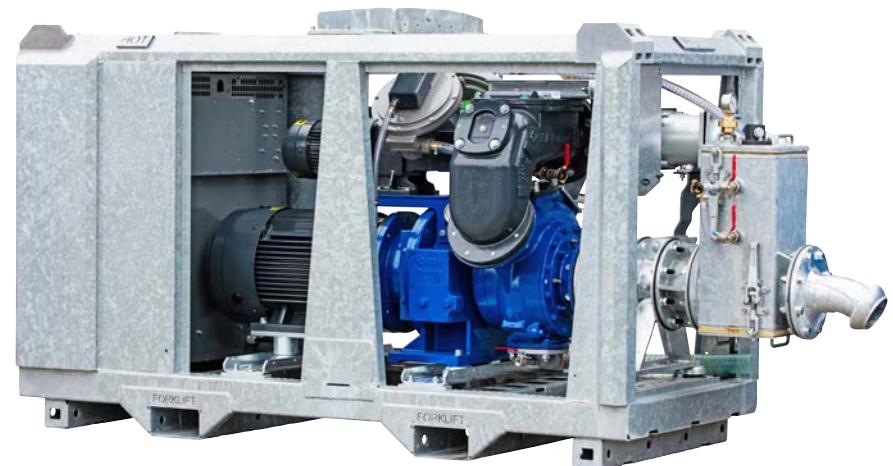
Diesel or electric drives with open or closed canopy options.



### Vacuum-Assisted Priming

Quick prime and re-prime for minimal downtime.

## BV150 D275 Bentonite



## BV150 D285 Electric with Canopy



### BV Series Overview

**Max Flow** 140L/s

**Max Head** 42m

**Max Solids** 80mm

**Drive Options** Diesel, electric

**Configurations** Open or closed canopy

### Applications:

- Bentonite pumping for drilling
- Sludge and slurry transfer
- Civil and pipeline projects

# Dredges

## Modular Dredging Solutions for NZ Sites

Dragflow dredges provide a cost-effective solution for material extraction. Their modular design and portability suit New Zealand sites, reducing setup time and replacing multiple machines. Pumping directly from the source lowers energy use, improves safety, and minimizes operational risk.

### Remote-Controlled Dredges

Compact units for narrow or shallow areas, operated safely from shore with GPS autonomy.



[Watch dredges in action](#)



### Local Expertise

Prime Fluid Management provides NZ-based design, commissioning and servicing support for Dragflow solutions.

### Mini Dredges

Compact and versatile for shallow water and low operating costs.



### Cable Dredges

For deep-water dredging up to 200m, easy to transport and assemble.



### Aquatic Harvesters

For waterway maintenance and pollutant removal without chemicals.



### Amphibious Dredges

For marshy basins, marinas, rivers, and lakes – capable of pumping long distances.



**"The DRP120 extracts sand quicker than a digger filling two dump trucks. Buying the dredge was a great idea."**

Simon Gill, Dredge Operator, Christchurch ReadyMix Concrete

**CASE STUDY**

## **Efficient Sand Extraction**

**Contractor** ReadyMix Concrete  
**Location** Christchurch

Prime deployed a remote-controlled Dragflow DRP120 dredge to cut extraction costs and improve safety, outperforming traditional digger-and-truck methods.



[primefluid.co.nz](http://primefluid.co.nz) 0800 482 747

[Read about this project](#)



# Water Treatment

## Modular Systems That Simplify Compliance

Managing water on civil and quarry sites means dealing with sediment, pH imbalance, hydrocarbons, and sludge – all while staying safe and compliant.

From basic settling tanks to telemetry and alert systems, our equipment – and our team, help you meet consent conditions with confidence. We can provide CTMPs, pre-consent drawings, on-site commissioning and monitoring.

*Now that's simpler, safer compliance.*

# Smart, Scalable Water Treatment

Prime's flagship brand for water treatment, Envirohub delivers high-performance solutions for sediment, pH, and hydrocarbon control. Adapted for New Zealand conditions by our in-house R&D team, Envirohub systems are trusted for their reliability, modularity, and ease of deployment.

## Why Choose Envirohub?

### Compact Footprint

Ideal for tight sites and high sediment loading.

### Modular Design

Scalable systems that integrate for dosing, monitoring, and sludge handling capacity.

### Self-Sufficient Operation

Solar-powered options for 24/7 performance without grid dependency.

### Compliance Made Simple

Adapted for NZ consent requirements, require minimal intervention.

## What They Make



### Lamella Clarifiers

Compact incline plate settling tanks for rapid sediment removal.



### Concrete Washdown Units

Self-contained systems for safe, concrete chute washdown and tool cleaning.



### pH Correction Tanks

Scalable, automated systems for neutralising alkaline and acidic water.



### Backed by Prime Fluid Management

Prime can partner with you from pre-consent planning to post-installation monitoring. Our field teams are available for setup, commissioning, and ongoing support for the duration of your project.

# Settling Tanks

[HIRE ME](#)

Lamella, Hybrid and Baffle Tanks

## Efficient Sediment Removal for Every Site

Our settling tanks work across a range of applications – from basic sediment control to high-performance systems for sensitive environments. All tanks are modular, customisable, and available with dosing and telemetry options.



### Solar-Powered

Lamella units are self-sufficient and solar-powered, capable of 24/7 operation with no external power.



### Compact

Tanks are stackable, portable and easy to integrate with other water treatment solutions. Custom sizes available.



### Dosing, Separation and Skimming

Hydrocarbon separators and oil skimming are standard. Batch and proportional dosing available.



### Monitoring

SCADA integration and other telemetry options available.

## Incline Plate Settling Tanks (Lamella Clarifiers)

Compact, high-capacity tanks using incline plate settling to maximise sediment removal in tight spaces.

**Size** From 2.3 x 2.1m

**Flow Rate** 20 – 50m<sup>3</sup>/hr

**Power** Solar or mains

**Operation** 24/7 self-sustaining

**Cleaning** Easy access cleaning port, removable plates

**Features** Hydrocarbon separator, oil skimmer, solar battery-pack



## Hybrid Settling Tanks

Stackable, adaptable tanks combining lamella and baffle principles.

- Stackable
- Removable lid, outlet ports for cleaning
- Pairable with chemical dosing
- Custom sizes available



## Standard Baffle Tanks

Reliable, low-cost sediment control for wellpointing and general discharge.

- Ideal sand separator
- Removable lid, oil separator
- Chemical dosing options
- Size: 4 – 20m<sup>3</sup>



[primefluid.co.nz](http://primefluid.co.nz) 0800 482 747

**Get in touch today**

# Dosing Systems

[HIRE ME](#)

## Precision Chemical Dosing for Sediment and pH Control

Our dosing systems are municipal-grade and suitable for all chemical types.

- Mounted (on tank) or standalone (inline)
- Dual dosing available
- Flow-proportional or manual control
- Solar or mains powered



Dosing Box



Dosing Shed (Fully Bunded)



# Monitoring, Reporting and Telemetry

[HIRE ME](#)

## Real-Time Compliance, Remote Visibility

Our monitoring units provide accurate, automated reporting for councils and site records.

- Measure pH, flow, turbidity, conductivity
- Cloud-based, Wi-Fi, cellular or data logger
- Text alerts
- Programmable outputs for valve control
- Solar or mains powered
- SCADA compatible



# pH Correction

[HIRE ME](#)

## Scalable Systems for Alkaline and Acidic Water

Prime offers modular solutions for continuous or batch treatment of pH-imbalanced water.

**"It's pretty simple, it just recycles our water overnight and we're set to go for another day."**

Joel Sorenson, Cirtex Industries

- Autonomous or manual control
- Cloud-based reporting
- Permanent or portable setups
- 100% site containment
- Suitable for all wastewater requiring pH correction
- Custom set ups, tailored to site requirements



## CASE STUDY

### Arsenic Removal

**Contractor** Aquaholics for Watts & Hughes  
**Location** Thames

Prime supplied a specialist solution to manage arsenic-contaminated groundwater from legacy mine tailings – supporting safe, compliant dewatering during construction.



# Concrete Washdown

[HIRE ME](#)

## Washdown, Recycle, Repeat – with Built-in Compliance

The Envirohub Concrete Washdown System is a smart, self-contained solution for managing chute washout and tool cleaning on site. Designed to neutralise high-pH water and recycle it for reuse, the system helps contractors meet discharge compliance while reducing environmental impact.

## Why Choose an Envirohub Washdown System?



### 100% Water Recycling

Reduce water use and disposal costs.



### Smart Technology

Built-in telemetry and remote monitoring.



### Compliance Made Simple

Meet discharge standards with minimal intervention.



### Portable and Stackable

Easy to move and store on site.



### Flexible Deployment

Use as a full system or standalone units.

### You can deploy the system as:

- Complete system: combine washdown and pH correction for 100% water recycling.
- Standalone units: CW-01 Washdown Unit, CT-01 pH Correction Unit



### CW-01 Washdown Unit

- Max flow: 15m<sup>3</sup>/h
- Washdown water capacity: 302L
- Compact and portable (1.5×1.2×1.4m)
- Replaceable filter bags hold up to 50 chute washouts
- Capture and filter washdown water from trucks, chutes and tools

### CT-01 pH Correction Unit

- Max flow: 15m<sup>3</sup>/h
- Total tank capacity: 0.95m<sup>3</sup>
- Compact footprint (2.1×1.2×1.9m)
- Treat alkaline washdown water for safe discharge
- Automated pH control and retractable washout hose



# Sludge Bags

## Simple, Scalable Dewatering for Sediment-Rich Wastewater

Sludge bags are a low-cost, low-maintenance solution for dehydrating sludge and sediment-heavy water. These geotextile-based systems use gravity and filtration to separate solids from liquids, reducing moisture content and making waste easier to handle.

Use alongside lamella clarifiers or as part of a staged dewatering setup. Deploy individually or in chains. They are a practical alternative to mechanical dewatering.



### Passive Dewatering

Gravity-fed filtration with no power required.



### Reusable Options

Some models can be emptied and reused.



### Compact Sludge Output

Reduce disposal volume and cost.



### Compatible with High-Sediment Loads

Suitable for quarry, construction, and remediation sites.



# Sludge Bins

[HIRE ME](#)

## Efficient Dehydration of High-Solids Sludge

Desikant sludge bins are mobile dewatering containers designed to dehydrate high-solids sludge efficiently. By removing moisture content, they produce compact, manageable waste without the need for complex presses or screens.

### Roll-off Dewatering Bin – Hook



- Max capacity: 40m³

- Models: Hook, Roll-off, Standard

- Maintenance: Removable internal basket for cleaning

- Optional features: Aeration, heating, vibration

### Roll-off Dewatering Bin



primefluid.co.nz 0800 482 747

[Get in touch today](#)

**CASE STUDY**

## Tidal Groundwater Management

**Contractor** McLatchie & Sharp  
**Location** CentrePort, Wellington

Prime deployed a compact wellpointing and treatment setup to manage tidal groundwater at 250m<sup>3</sup>/h – removing hydrocarbons and solids within 15m of the sea and achieving compliant discharge.

[primefluid.co.nz](http://primefluid.co.nz) 0800 482 747

Read about this project



# Generators and Accessories



# Generators

[HIRE ME](#)

## Reliable Power for Electric Pump Setups

Prime generators are engineered to work seamlessly with our electric pump range, delivering low operating costs and dependable performance. Each unit is built for 24/7 operation, with large fuel tanks and float switch automation to reduce manual input and downtime.



### Duty Rated

Designed to run full-time with long-range fuel tanks.



### Site-Ready Outlets

Multiple socket configurations.



### Float Start/Stop

Automates pump control to reduce labour and fuel waste.



### Low Noise, Small Footprint

Silenced canopies and compact design for urban or after-hours use.



### NZ-Specific Builds

Customised to suit local conditions and compliance.



### Remote Monitoring Capable

Optional connectivity for off-site oversight.

## Specifications

**Power** All sizes

**Outlets** Customisable

**Tank Size** up to 499L

**Noise** From 58dBA @ 10m

**Features** Float switch automation, silenced canopy, customisable outlets



GN15 with 499L Fuel Tank



GN60 with 499L Fuel Tank



# Accessories

[HIRE ME](#)

## Everything You Need to Complete Your Pumping Setup

Prime offers a range of accessories to complete your system set up.

### Booster Units

Boosters for high suction lift applications and sludge handling. Pair with any pump to move viscous materials efficiently.



### Flow Meters

Accurate flow monitoring for pump control, reporting, and compliance. Suitable for temporary or permanent setups.

#### Key Features:

- Size: from 50mm
- Power: 12/24 V or 230 V
- Adaptable fittings
- 100% site containment
- Signal outputs for telemetry or SCADA integration



## Fittings and Adapters

Prime stocks a full range of fittings and adapters, including Bauer and Camlock, for secure, leak-free connections on any pumping setup. Sizes from 2" to 12" (50 – 300 mm), with custom adapters available for mixed systems.

### Camlock adapters



### Bauer adapters



### 90° and 45° bends



### Reducers and increasers



### End caps and plugs



### T and Y junctions



### Valves



### Flanges (Bauer adapters)



### Suction strainers



## Floats

Custom-sized floats to support pipe and cable runs across water. Built to match site-specific weight, diameter, and length requirements.



## Fuel Tanks

Secure, lockable fuel tanks in a range of sizes to extend refuelling intervals and reduce downtime on site.



## Pneumatic Pipe Bung

Block or bypass pipelines up to 3,600mm with pressure-rated pneumatic bungs. Fitted with gauges and customisable for constant pressure setups.



## Hoses and Pipes

### Layflat Hose

PVC or rubber hose for discharge, ideal for temporary setups and easy handling.

**Size** 2" – 8" (50 – 200mm)

**Couplings** Quick couplings included



### Suction Hose

Heavy-duty rubber hose for suction built for tough conditions and frequent movement.

**Size** 2" – 12" (50 – 300mm)

**Length** 3 – 6m

**Couplings** Quick couplings included



### HDPE Pipe

Durable, rigid pipe for high-volume pumping. Use across rough ground where layflat may kink or fail.

**Size** 4" – 12" (100 – 300mm)

**Length** 5.8m standard

**Options** Quick couplings included



## Pump Pontoons

Floating platforms for pump deployment in quarries, rivers, and flood zones. Custom-made to your requirements, they keep pumps at ideal depth, protect from debris, and adjust to changing water levels – ideal where land setups aren't viable.



## Pump Control, Level Alarms and Telemetry

Automate pump operation with float-based alarms, remote start/stop, and SCADA-compatible controls.



## Road, Driveway and Pedestrian Ramps

No need for closures or detours. Maintain access during overpumping works with single or double ramps designed to handle up to 400L/sec without affecting flow rate. Custom fittings available.



## Sound Barriers

Portable acoustic panels for pump and equipment noise control on urban or sensitive sites. Simple to install with Velcro and eyelets, they attach easily to temporary fencing for effective noise reduction.



## Strainers

Protect pumps and maintain flow efficiency with strainers designed for specific site needs.

### Fish Screen Strainers

Preserve aquatic life while preventing debris entry. Three millimetre spacing, suited for suction sizes up to 12" (300mm). Prime Fish Strainers feature lifting points for easy handling and are self-cleaning.



### Sewage Strainers

Heavy-duty strainers for strength and open flow, ideal for handling solids in wastewater and sludge pumping without clogging.



### Hole Strainers

Robust strainers made from perforated steel plate, used in dewatering and construction to keep sediment and debris out of pumps. Available in multiple diameters and mesh sizes. *Image shows a foot valve hole strainer.*



## Wellpointing Accessories

### Steel Wells

Prime's steel wells are built in-house for fast installation and proven clean water extraction. With up to 8m length and 6" (150 mm) diameter, they arrive site-ready and reduce well-development time.



### Wellpointing System

Reliable groundwater control for excavation and trenching projects.

### Header Pipes

Lightweight HDPE pipes with quick couplings for fast setup and corrosion resistance.

### PVC Wellpoints

Slotted PVC screens for effective filtration – simple, economical, and reusable.



### Self-Jetting Wellpoints

Integrated jetting tips for rapid installation without pre-drilling, ideal for sandy soils.

# Technical Information

---



# Quality Assurance and Safety

## Certified, Compliant, and Committed to Safer Sites

We operate with a strong focus on safety, compliance, and practical risk management. Our systems and team are backed by nationally recognised certifications and active involvement in industry leadership.

## Certified for Civil Work

These certifications reflect our consistent performance in health and safety, contractor prequalification, and environmental risk management across civil and infrastructure sites.



## Industry Associations

Prime is proud to be a Civil Contractors New Zealand Major Associate, a corporate member of WaterNZ, a member of the International Erosion Control Association (IECA), and long term partner of the Stormwater Conference.



Stormwater2026

# Research and Development

## Tailored Solutions for New Zealand's Site Conditions

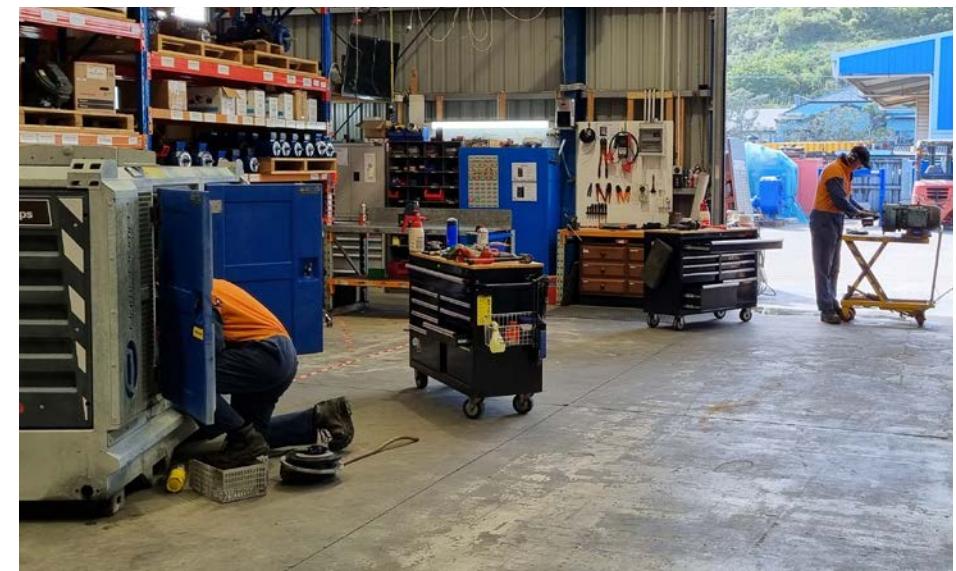
Prime's R&D team designs systems and accessories for New Zealand's unique site conditions. From small adaptations to large-scale innovations, we respond to real-world challenges with practical, fit-for-purpose solutions.

Recent developments include:

- More reliable solar-powered units for remote sites
- Water treatment system improvements to better meet New Zealand discharge requirement
- Emergency response trailers designed for fast mobilisation and NZ road conditions

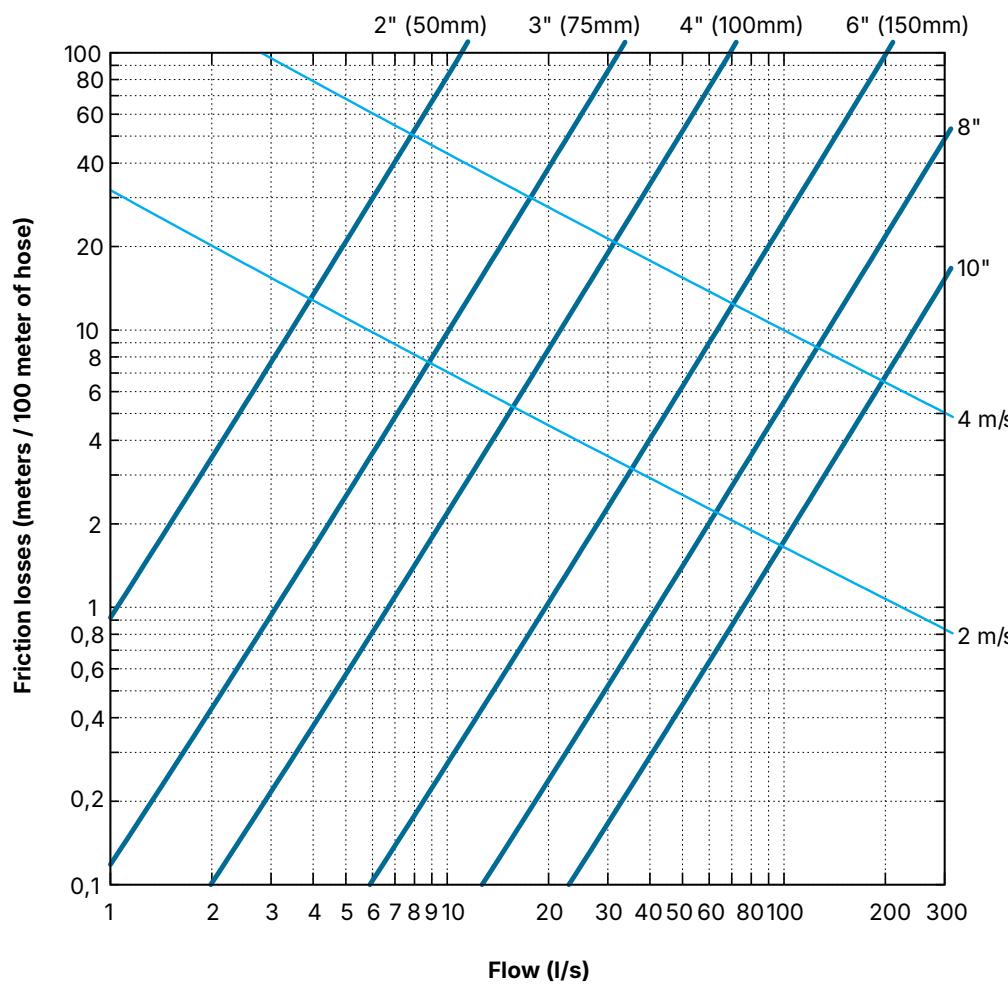
Our goal is to simplify site work, support compliance, and reduce environmental risk through smart engineering.

If you're facing a challenging site or need a tailored solution, get in touch – we'll help you find the right setup.



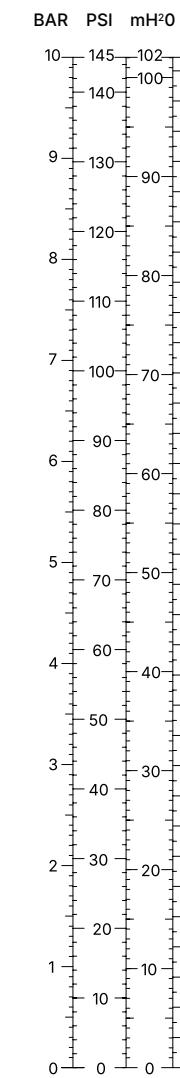
# Friction Loss Chart

All pump capacities are measured for clean water, directly at the discharge outlet. When connecting a hose you need to consider the friction losses that come from the size and length of the hose. The chart below shows this.

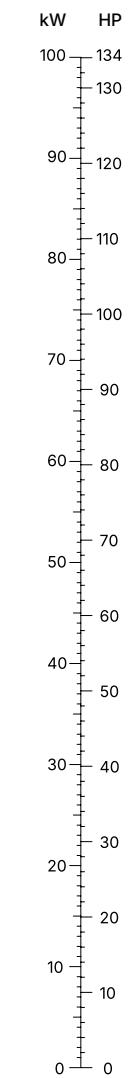


# Translation Charts

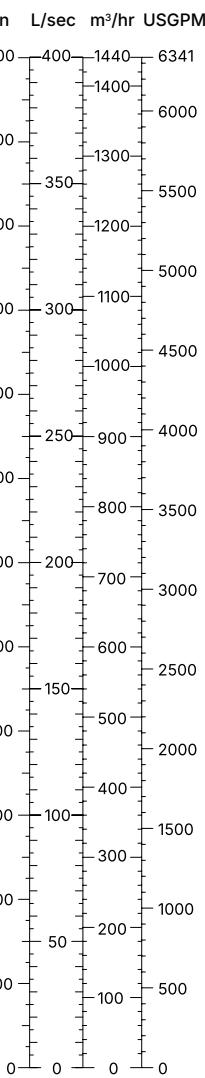
## PRESSURE



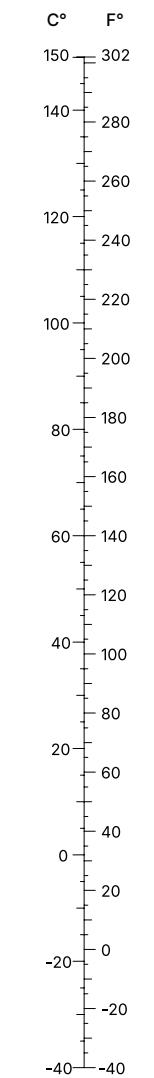
## POWER



## FLOW



## TEMPERATURE





**Greymouth**  
(Head Office)  
10 Chesterfield St

**Auckland**  
13b McLaughlins Rd  
Wiri

**Tauranga**  
43 Poturi St  
Tauriko

**Wellington**  
9 Broken Hill Rd  
Kenepuru, Porirua

**Christchurch**  
Unit C1, 198 Springs Rd  
Hornby

**Hawke's Bay**  
97 Austin St  
Onekawa, Napier

---

0800 482 747  
[info@primefluid.co.nz](mailto:info@primefluid.co.nz)  
[primefluid.co.nz](http://primefluid.co.nz)