



# White International

## DOMESTIC PUMP SOLUTIONS

TRUST PARTNERSHIPS GROWTH  
**Working** RELATIONSHIP  
and Winning SUCCESS  
SUPPORT TEAM **Together** FAMILY  
PEOPLE



# JANUARY 2020

NEW ZEALAND EDITION



# THE WHITE<sup>®</sup> WAY INTERNATIONAL

## WINNING SOLUTIONS, QUALITY BRANDS

White International is a family business built on a foundation of long term relationships with both our partners and our team.

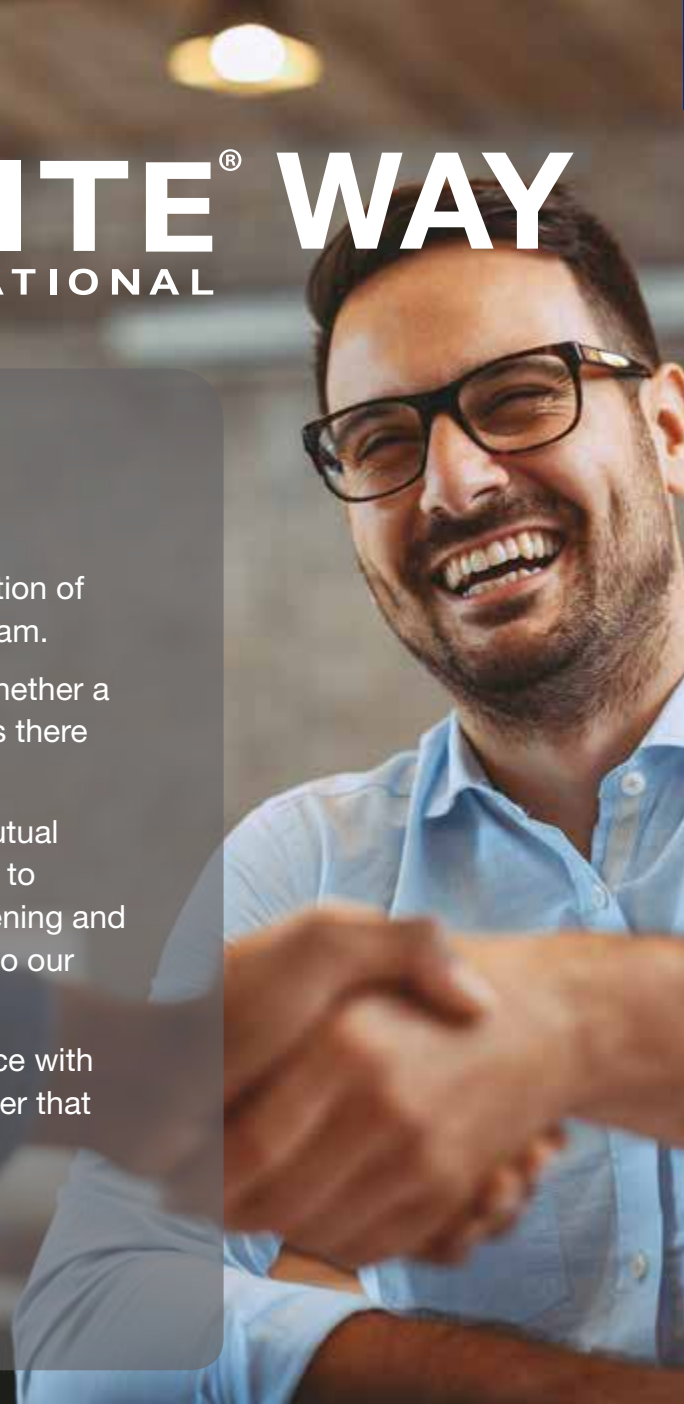
Win-win partnerships are a commitment to each other whether a supplier, distributor or a team member. If it is win-win, it's there for the long term.

Every partnership is an essential building block of our mutual long-term success. Creating positive outcomes that lead to trusting and enduring personal relationships through listening and understanding, being supportive of, and being adaptive to our customers needs is at the core of everything that we do.

Our business is committed to providing exceptional service with high quality, innovative products and solutions in a manner that makes us easy to deal with.

We call it 'working and winning' together.

**Tony Ryba & Team**  
Group Managing Director



Having access to the White International "My Account" gives you improved visibility and access to real-time information! Saving you unnecessary phone calls and time, My Account is available 24/7, 365 days a year, giving you access to the important information you need in your time!

## Register or Login to have easy access to...

- **Quick way to check your purchase price for any item online.** This includes promotional prices available to you.
- See if an item is **"In Stock"** or **"Out of Stock"**.
- **Placing your orders** when and where it suits you (even outside business hours)
- View your **order history** and retrieve previous invoices
- Track your deliveries. Powered by our freight providers **Track & Trace**
- Create **order templates** that are shared between your staff members logins.
- Enquire on your **account balance** with the ability to request statements or outstanding invoices
- **Securely pay your invoices** online using your credit card.
- Access **product images** either high resolution or web ready via our image library.
- Generate a **Net Price File** in excel that includes Barcodes, RRP & your store Buy Prices. Ideal for a simple way to maintain your system data.



## MY ACCOUNT

"Your online business experience"



## Making payments through your 'My Account'

### Account Customers

You have the option to pay your account online. Account payments can be made on our website via a Secure Credit Card Payment Gateway.

### Secure and Easy

Our portal uses Secure SSL Encryption to protect your information.



All credit card payments made on our site are through the e-WAY Payment Gateway. This means that your payment details go straight through the PCI Compliant Gateway, so White International does not see or store your credit card details.



### Invoices and Statements

Ideal for your accounts staff to access all previous invoices via your 'Order History' and generate account statements with options to download in Excel.

## How to Register

### Step 1

Visit [www.whiteint.co.nz/join](http://www.whiteint.co.nz/join)

### Step 2

Fill out the registration form and click 'Register'



## Your account manager is:

## Your My Account Login is:

**Email Address:**

**Password:**

*To reset your password go to [whiteint.co.nz/forgot-password](http://whiteint.co.nz/forgot-password)*

TO ORDER: [www.whiteint.co.nz](http://www.whiteint.co.nz) | 0800 509 506 | (09) 579 9777 | [sales@whiteint.co.nz](mailto:sales@whiteint.co.nz)



E.SyLine



E.Syline is a complete line of electronic booster pump solutions that redefine the rules of residential water pressurisation. E.Syline includes a series of fully integrated pump systems and accessories.

Designed to create a modular and flexible pump solution that meets a wide range of requirements for residential and light commercial water delivery.

iSolar powered by DAB & Bianco iCON harvest sunlight to provide high performance pumping solutions.

Solar powered pumping systems are a cost-effective alternative to fuel powered pumps where electricity is not readily available and are ideal for remote area water supply. Pumping water using the iSolar technology is simple, reliable, and requires less maintenance than traditional pumping solutions.



Bianco Pumpz deliver dependable, innovative, quality, engineered performance pumps that are energy efficient for today's requirements.

Bianco Pumpz product range includes:

- Irrigation markets (water pump solutions)
- Residential markets (household pump systems and rain harvesting)
- Commercial markets (water pump and drainage solutions)
- Industrial markets (wastewater and sewer solutions)



DAB offers a complete line of pumping solutions that meet even the most specific requirements, while ensuring the highest degree of reliability and local technical support.

DAB offers technological solutions capable of ensuring reliability and efficiency, and to optimise energy consumption for applications such as:

- Residential
- Commercial
- Agricultural
- Irrigation



The iCON range of intelligent controllers are suitable for installation in various Industrial and Domestic applications.

Controllers are generally used in pumping applications where control of single or multiple pumps are required. Using various controller types iCON intelligent controllers can deliver constant pressure using VDF's or out of the box solutions for drainage, pressure boosting and water transfer.



water solutions

Zenit offer a range of submersible pumps made to high industry standards with energy efficient pumps for the following applications:

- Submersible electric pumps
- Mixers and Bottom diffusers
- Lifting stations, Remote controllers, Accessories



Reflex Pressure Tanks store energy in the form of pressurised water extending the life of your pump. Suitable for horizontal and vertical applications in markets from domestic to commercial.



Rainsaver is a changeover device for mains water and is designed for rainwater harvesting in domestic and semi-commercial applications.



**DOMESTIC & HOUSEHOLD**  
 Pressure Systems | Controllers  
 Pressure Tanks | Circulators | Accessories

Discount \_\_\_\_\_ %



**WASTE WATER & DRAINAGE**  
 Drainage | Vortex | Grinder  
 Light Construction | Septic | AWTS

Discount \_\_\_\_\_ %



**RAIN HARVESTING**  
 Rain Harvesting Controls | Pump Packages

Discount \_\_\_\_\_ %



**POOL**  
 Domestic Pool

Discount \_\_\_\_\_ %

For the Extended Range of White International Pumping Products, see Volume II that features Farm , Irrigation, Borehole, Solar, Building Services and Engine driven products.



**BOREHOLE & SOLAR**  
 Borehole | Solar Powered  
 Variable Frequency Borehole

Discount \_\_\_\_\_ %



**BUILDING SERVICES**  
 Submersible and accessories | Pump  
 Stations Controllers and Variable  
 Frequency Drives

Discount \_\_\_\_\_ %



**FARM & IRRIGATION**  
 Shallow Well | Deep Well  
 Centrifugal | Pressure Systems

Discount \_\_\_\_\_ %



**ENGINE DRIVEN**  
 Fire | Water Transfer | Accessories

Discount \_\_\_\_\_ %

# TABLE OF CONTENTS

## HOUSEHOLD & DOMESTIC PUMPING SOLUTIONS

### DAB E.SYLINE RANGE 10

E.SYBOX MINI3 11

E.SYBOX 12

E.SYLINE MUTI PUMP SOLUTIONS 13

E.SYTANK

E.SYLINE ACCESSORIES

### DAB SUBMERSIBLE HOUSEHOLD PRESSURE SYSTEMS 14

Divertron 1200 range

Divertron Accessories

### BIANCO SURFACE MOUNTED PRESSURE SYSTEMS 15

BIANCO Cast Iron Jet Pump with auto controller

BIANCO Stainless Steel Jet Pumps with auto controller

BIANCO Stainless Steel Horizontal Multistage Pumps with controller

### DAB SURFACE MOUNTED PRESSURE SYSTEMS 16

#### DAB JETCOM Range 16

DAB JETCOM Technopolymer Jet Pumps, bare pump

DAB JETCOM Technopolymer Jet Pumps with auto controller

DAB JETCOM Technopolymer Jet Pumps with iPRESS Pro

#### DAB JET Range 17

DAB JET Cast Iron Jet Pumps, bare pump

DAB JET Cast Iron Jet Pumps with auto controller

DAB JET Cast Iron Jet Pumps with iPRESS Pro

#### DAB JETINOX Range 18

DAB JETINOX Stainless Steel Jet Pumps, bare pump

DAB JETINOX Stainless Steel Jet Pumps with controller

DAB JETINOX Stainless Steel Jet Pumps with iPRESS Pro

#### DAB EUROINOX Range 19

DAB EUROINOX Stainless Steel Jet Pumps, bare pump

DAB EUROINOX Stainless Steel Jet Pumps with controller

DAB EUROINOX Stainless Steel Jet Pumps with iPRESS Pro

### DELUX AND ELITE COMPLETE PUMP BOX PACKAGES 22

DAB Elite all-in-one pump box  
JINOX 132 plus UV and filtration

DAB Delux all-in-one pump box  
E.SYBOX plus UV and filtration

DAB Delux all-in-one pump box  
E.SYBOX Mini3 plus UV and filtration

### BIANCO PERIPHERAL TURBINE PRESSURE SYSTEMS 23

BIANCO Peripheral Turbine pumps, bare pump

BIANCO Peripheral Turbine pump with controller

### CIRCULATOR PUMPS

BIANCO Stainless Steel Circulator Pumps 24

BIANCO Hot Water Booster Pump

DAB Cast Iron Circulator Pumps 25

DAB Bronze Circulator Pump

DAB Circulator Accessories

### WHITE INTERNATIONAL PUMP CONTROLLERS 26

### REFLEX PRESSURE TANKS 29

DE Series Vertical bladder tanks

DC Series Vertical diaphragm tanks

HW Series Vertical diaphragm tanks

REFLEX Tank Accessories

REFLEX Applications 30

### WHITE INTERNATIONAL PUMP ACCESSORIES 31

Mechanical Pressure Switches

Pressure Gauges

Brass Unions & Tee's

Brass Non-return valves

Float Switches

Floating intakes

Pump Cover

### DAB SPARE PARTS 32

Mechanical Spares 32

Jet & Venturi 33

Impellers 34

Impellers 35

Capacitors 36

Bearings 37

O Rings 38

## WASTEWATER & DRAINAGE PUMPING SOLUTIONS

### DAB SUBMERSIBLE MULTISTAGE 5" CLEAN WATER PUMPS 41

#### BIANCO DRAINAGE PUMPS

BIANCO Polymer Drainage Pumps	42
BIANCO High Head Submersible Clean Water Pump	

### DAB TECHNOPOLYMER DRAINAGE PUMPS 43

DAB Nova	
DAB Vertynova Puddle Pump	

### ZENIT DRAINAGE PUMPS

ZENIT DR Stainless Steel Drainage Pumps	44
ZENIT DR Blue Professional Cast Iron Drainage Pumps	45
ZENIT AP Blue Professional Cast Iron High Head Drainage Pumps	46

### VORTEX PUMPS 47

BIANCO Polymer Vortex Pump	
BIANCO Stainless Steel Vortex Pump	
DAB FEKA Vortex Pump	
DAB BVP Vortex Pump	

#### DAB FEKA VS Stainless Steel Vortex Pumps 48

#### ZENIT DG Stainless Steel Vortex Pumps 49

#### BIANCO Cast Iron Vortex Pumps 49

#### ZENIT DG Blue Professional Cast Iron Vortex Pumps 50

#### BIANCO SEWERAGE PUMPS

BIANCO Cutter Grinder Pump	51
BIANCO PDG High Pressure Grinder Pumps	51

#### ZENIT GR Blue Professional Cast Iron Grinder Pumps 52

#### BIANCO Light Construction Pumps 53

### WASTE WATER AERATION PRODUCTS 54

NOVAIR Aeration Pumps	
ZENIT Oxyplates	
ZENIT AWTS Air Blower	

#### NOVABOX Lifting Station 55

#### GENIX Macerator Pump 56

#### ZENIT blueBOX Lifting Stations 58

### ICON PUMP CONTROLLERS 60

iCON Single Pump Controllers	
iCON DUAL Pump Controllers	
iPROTECT Pump Controller	
iCON Liquid Level	
iCON Controller Cover	

### ZENIT SUBMERSIBLE PUMP ACCESSORIES 61

Pump Couplers	
Ball Type Non-Return valves	
Power Cables	
Adaptors for other couplers	

## RAINSAVER

Rainsaver Mk 6 Submersible Pump Packages	64
Rainsaver Mk 6 Surface Mounted Pump Packages	65
Rainsaver Mk 4E Surface Mounted Pump Packages	66
Rainsaver Mk 4E Submersible Pump Packages	67

## POOLPUMPS

DAB E.SWIN Electronic Pool Pump	70
DAB Euroswim Pool Pumps	

### HANDY INFORMATION 72

### TERMS & CONDITIONS 74

# CERTIFICATIONS & APPROVALS

White International distribute over products for use in a variety of industries such as agriculture, building services, HVAC, sewerage and waste water.

We ensure that the products that we distribute hold product certifications, guaranteeing that product has passed quality assurance and performance tests in order to meet the necessary local, national or international quality standards relevant to the market or product set they serve.

Our focus on premium quality, tried and tested products that hold industry recognised certifications, ensure that the products we distribute are reliable and will last the distance.



Pumps that carry the **AS/NZ4020 Drinking Water Approval** demonstrate compliance with requirements of Australia & New Zealand Standards of products that come into contact with water intended for human consumption. This approval also ensures that the water coming from the pump will not be contaminated by toxic materials or metals. It also means the water will not support the growth of micro-organisms and will not cause a change in taste or appearance.



The **WaterMark** certification scheme is a mandatory certification scheme for plumbing and drainage products to ensure they are fit for purpose and appropriately authorised for use in plumbing and drainage installations.



The **Water Regulations Advisory Scheme (WRAS)** is a conformance mark for whole products such as valves, boilers & showers which undergo mechanical and water quality testing. This type of approval demonstrates compliance with requirements of the regulations and bylaws, provided the fitting is installed according to any conditions given with the approval.



The **"Attestation de conformité sanitaire" (ACS)** is the French drinking water certification which demonstrates the suitability of products to come into contact with water intended for human consumption.



**CE** marking is a certification mark that indicates conformity with health, safety, and environment. The CE marking represents a manufacturer's declaration that products comply with the EU's New Approach Directives. These directives not only apply to products within the EU but also for products that are manufactured in or designed to be sold in the EEA.



**SAA Approvals** is accredited by the Joint Accreditation Service of Australia and New Zealand (JAS-ANZ) as a third party certification body to issue of Certificates of Approval for declared and non-declared electrical equipment that has proven to comply with the safety requirements of the applicable Australian Standard.



**IECEX** is a voluntary system which provides an internationally accepted means of proving compliance with IEC standards. IEC standards are used in many national approval schemes and as such, **IECEX certification** and can be used to support national compliance, therefore negating the need in most cases for additional testing. Applicable for Zone 2 hazardous areas.



**ATEX** is the name commonly given to the two European Directives for controlling explosive atmospheres: 1) Directive 99/92/EC (also known as 'ATEX 137' or the 'ATEX Workplace Directive') on minimum requirements for improving the health and safety protection of workers potentially at risk from explosive atmospheres. Applicable for Zone 1 hazardous areas.





# Household & Domestic Pumping Solutions



# e.sybox

## FEATURES & BENEFITS E.SYBOX & E.SYBOX MINI<sup>3</sup>



### OPTIMAL ENERGY USE

Inverter technology allows the E.sybox & Mini<sup>3</sup> to find the best operating point of the pump, saving energy and money



### EASY TO READ DISPLAY

A 70 X 40mm LCD display allows for the easy customisation of settings



### IMPROVED MOTOR FUNCTION

Now water cooled, the motor is even quieter with the elimination of traditional cooling fans



### FLEXIBLE INSTALLATION

Horizontal or vertical, E.sybox can be installed virtually anywhere inside the home



### NON-RETURN VALVE AT THE DELIVERY

Used in both horizontal and vertical installations, it is easily removed to support easy maintenance



### EASY ACCESS TO MAINTENANCE POINTS

Remove the enclosure door to access air vessel loading and non-return valves easily



### EXPANSION VESSEL

A 2L capacity (E.sybox) & 1L capacity (Mini<sup>3</sup>) vessel that is guaranteed for 5 years & drinking water certified



### ANTI-VIBRATION FEET

Moulded to absorb vibration and noise from the e.sybox & Mini<sup>3</sup>, making them quieter than ever



### FLOW AND PRESSURE SENSORS

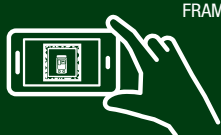
Seamlessly integrated electronic pressure and transducer & flow sensor at the delivery



### EXTERNAL CONNECTIONS

Select optimised system inlets and outlets based on the installation

**e.sy** app



DOWNLOAD THE APP,  
FRAME AND DISCOVER  
THE AUGMENTED  
REALITY

Available on the iPhone  
**App Store**

ANDROID APP ON  
**Google play**



View the E.sybox  
Promotional Video  
on youtube:



# E.SYBOX MINI<sup>3</sup>

**NEW & IMPROVED DESIGN**

Now with 3 impellers for better performance and lower speed motor for quieter performance down to 45 dB

## e.sybox mini<sup>3</sup>

E.SYBOX MINI<sup>3</sup> is the DAB compact automatic pressurisation system for the water supply of a single dwelling. E.SYBOX MINI<sup>3</sup> guarantees the comfort of constant pressure (Pressure Set Point adjustable from 1 up to 5.5 bar) inside the system, and energy savings thanks to the inverter technology.

Suitable for use in domestic systems with drinking water and in gardening applications. E.SYBOX MINI<sup>3</sup> does not require any additional components for its installation.



### Operating Conditions

Maximum System Pressure	7.5 Bar (750 kPa)
Maximum Operating Pressure	5.5 Bar (550 kPa)
Liquid Temperature	0° to + 40° C
Maximum Ambient Temperature	+50° C

### Electrical Data

Voltage	240 V
Protection Level	IP X4
Insulation Class	F

Part Number	Item Code	P1	1 ph In	Water Temp	Connections		Weight	Dimensions			List
					Inlet	Outlet		W	D	H	
DAB-E.SYBOXMINI <sup>3</sup>	805406	0.85	4.8	40	1" BSPF	1" BSPF	14.6	236	263	439	\$1595

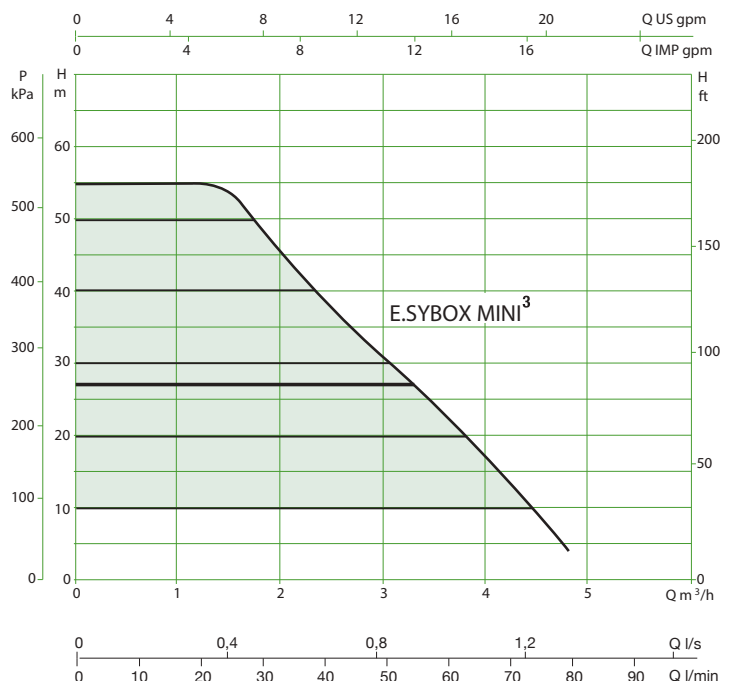
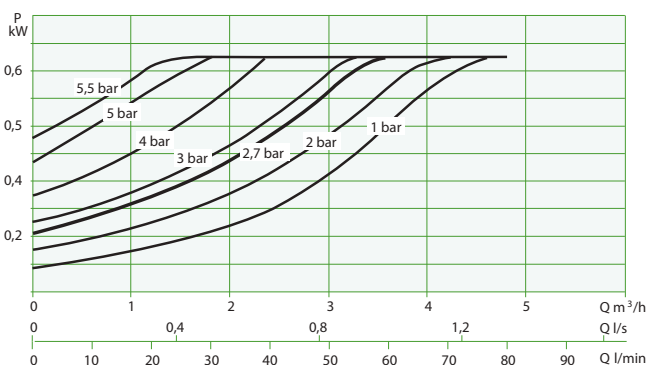
### Construction

Materials

- Composite outer casing
- Stainless steel shaft
- Technopolymer impeller and diffusers



**ANTI-FREEZE PROTECTION**



# E.SYBOX

# e.sybox

Leading the way in electronic pump technology, the E.SYBOX is a new solution in domestic water supply. It is ideal for water pressure boosting in domestic and light commercial applications.

The E.SYBOX is a revolutionary and innovative all-in-one pump solution comprising of:

- A self-priming multistage pump
- Variable frequency drive
- Electronics for control and management
- Pressure and flow sensors
- High-resolution LCD display
- 2 Litre integrated expansion vessel
- Flexible installation - can be installed horizontally or vertically



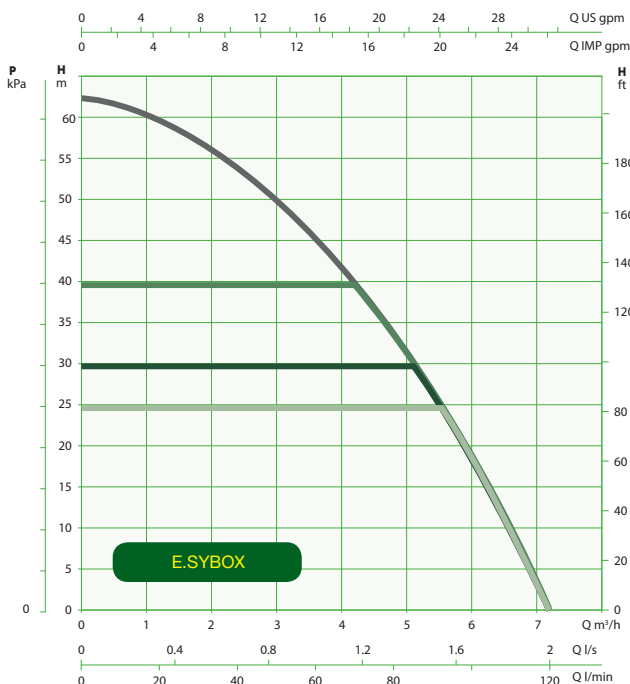
Operating Conditions		Electrical Data	
Maximum System Pressure	Max. 8 bar ( kPa)	Voltage	1 x 240V, 50 - 60 Hz
Maximum Operating Pressure	6 Bar ( kPa)	Protection Level	IP X4
Liquid Temperature	0°C to +40°C	Insulation Class	F
Maximum Ambient Temperature	+50°C		

Construction	
Materials	<ul style="list-style-type: none"> <li>• Composite outer casing</li> <li>• Stainless steel shaft</li> <li>• Technopolymer impeller and diffusers</li> </ul>

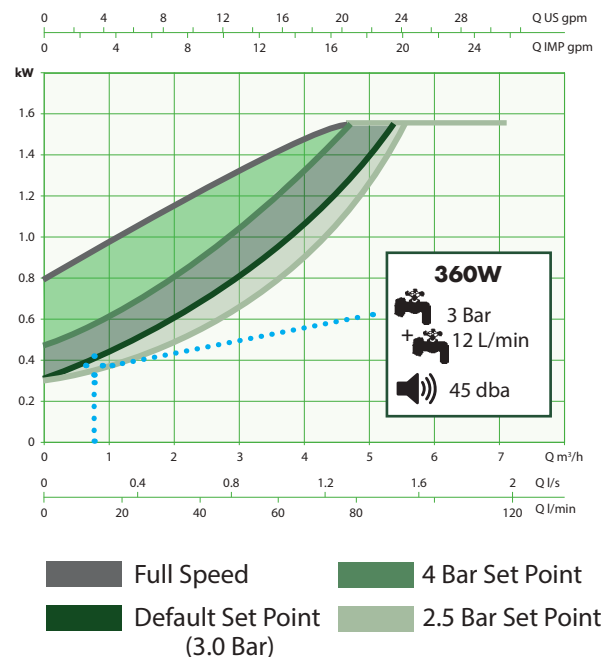
**HANDY TIP**  
Get the DAB-E.SYDOCK to dock and un-dock the E.SYBOX in seconds

Part Number	Item Code	P2 kW	1 ph In A	Water Temp °C	Connections		Weight kg	Dimensions mm			List
					Inlet	Outlet		W	D	H	
DAB-E.SYBOX	800621	1.55	10	0/40	1" BSPF	1" BSPF	27	263	362	564	\$2350

Performance Curve:



Energy Saving Curve:



# E.SYLINE MULTI PUMP & E.SYTANK OPTIONS

Part Number	Item Code	Description	List
1 DAB-KITESYTWIN	805158	Kit comprising 2 x E.SYBOX, 1 x E.SYTWIN for heads to 61m, flows to 210L/m. Can be set up as duty assist or duty standby*	\$5,695
2 DAB-KITESYTRIPLE	805170	Kit comprising 3 x E.SYBOX, 3 x E.SYDOCK, 2 x manifolds for heads to 61m, flows to 315L/m. Can be set up as duty assist, duty standby or a mixture of both*	\$8,850
3 DAB-KITESYQUAD	805159	Kit comprising 4 x E.SYBOX, 2 x E.SYTWIN, 1 x manifold for heads to 61m, flows to 420L/m. Can be set up as duty assist, duty standby or a mixture of both*	\$11,630
4 DAB-ESYTANK	805121	E.SYTANK is designed as a break tank between mains and E.SYBOX. It has a net capacity of 480 litres and is suitable for drinking water. It has a valve for filling from the mains with a float and an overflow system. The tank is complete with an E.SYDOCK, a suction pipe with footvalve, and a delivery pipe. <b>Pump sold separately</b>	\$2,500

\* E.sy Kits do not ship assembled



## E.SYLINE ACCESSORIES

Part Number	Item Code	Description	List	Image
DAB-ESYDOCK	801120	Docking station for DAB-E.SYBOX. The E.SYDOCK is a robust docking station complete with inlet and outlet connections plus instructions. The DAB-E.SYBOX can be docked and un-docked in a matter of seconds. <b>NOT SUITABLE FOR E.SYBOX MINI<sup>3</sup></b>	\$440	
DAB-ESYTWIN	801121	Twin docking station for DAB-E.SYBOX. The E.SYTWIN is a robust twin pump docking station complete with inlet and outlet connections plus instructions. It allows two DAB DAB-E.SYBOX pumps to be set up as duty/assist or duty/standby and is ideal for larger residential or light commercial installations. The DAB-E.SYBOXs can be docked and un-docked in a matter of seconds. <b>NOT SUITABLE FOR E.SYBOX MINI<sup>3</sup></b>	\$995	
DAB-ESYWALL	801122	Wall mounting bracket for DAB-E.SYBOX. The E.SYWALL is a fitting kit that allows the DAB DAB-E.SYBOX and E.SYBOX MINI <sup>3</sup> pumps to be mounted directly to a wall and is supplied with instructions.	\$145	
DAB-ESYLINKKIT	802435	Wireless connection for DAB-E.SYBOX. One E.SYLINK will communicate with a group of DAB-E.SYBOX pumps. Easily upgradeable via a computer. Enclosure supplied. LED for status indication and alarms. Includes E.SYLINK, USB cable, electrical box 8DIN, power supply and 3 cable gland. <b>NOT SUITABLE FOR E.SYBOX MINI<sup>3</sup></b>	\$700	
DAB-ESYTANKCOUPLING	805781	For connecting two E.SYTANKs	\$195	
DABUNIONMPCA	702733	Brass Union for E.SYBOX, ESYBOXMINI <sup>3</sup>	\$27	



# SUBMERSIBLE HOUSEHOLD PRESSURE SYSTEMS

## DIVERTON 1200 Submersible Pressure System

Ideal pump for tank installations. Simple to install, quiet and dependable.

- Incorporates an electronic automatic restart pump control with dry run protection
- Fully automatic operation
- In-built non-return valve and flow sensor
- Supplied wired and ready to install
- 240V single phase motor with in-built auto reset thermal overload
- 15m power cable
- 2 Year DAB Warranty
- DAB pumps designed in Italy
- AS/NZS 4020 Standards Approved for Drinking Water



Rainwater tank suction hose & float kit.

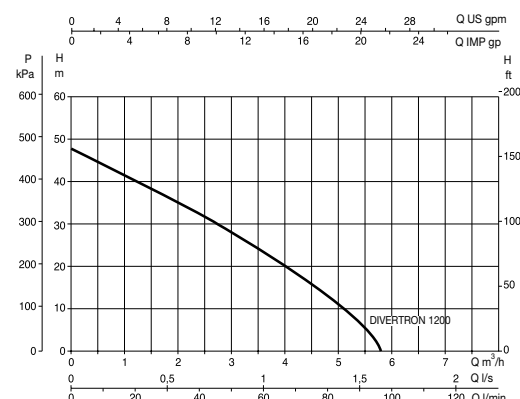


Part Number	Item	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Power Cable (m)	Ports	List
DAB-DIVERTRON1200	701505	0.75	1.0	240	48	95	15	1" BSPF Out	\$1220
DAB-DIVERTRON1200X	701506	0.75	1.0	240	48	95	15	1" BSPF Out	\$1320
<i>Diverton 1X pump fitted with a solid stainless steel intake ring and 1" BSPF inlet to suit a floating intake.</i>									
BIA-TSHKITA	701034	Rainwater tank suction hose & float kit.							\$98
BIA-TSHKITA-1.5M	804721	Rainwater tank suction hose & float kit 1.5M.							\$112

To extend the life of the pump and minimize pump starts, we recommend using a 2-18L pressure tank

# Submersible Pressure Systems




- Quiet operation
- Simple installation
- Ideal for dense urban areas
- Does not require external pump control











PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SURFACE MOUNTED HOUSEHOLD PRESSURE SYSTEMS</b>				
<b>BIANCO SERIES 2.0 CAST IRON JET PUMP WITH ELECTRONIC PUMP CONTROLLER</b>				
<p><b>A PRESSURE TANK is recommended for use with a Press Control.</b>  <b>Pressure Tanks sold separately.</b>                      Suitable for water supply applications with suction wells, water supply and boosting of domestic systems, agricultural and gardening applications.                      2 Year BIANCO Pumpz Warranty</p>				 <div style="text-align: right;">    </div>
<b>BIA-FERRO60MPCX</b>	<b>802793</b>	Cast Iron Jet Pump, 240V 0.60KW, Max Head 45m, Max Flow 58L/m with Auto Pump control 2.2 Bar, Ports 1" BSPF / 1" BSPM.	<b>\$625</b>	
<b>BIANCO SERIES 2.0 STAINLESS STEEL JET PUMP WITH ELECTRONIC PUMP CONTROLLER</b>				
<p>Suitable for garden and rainwater applications including high suction lifts.                      2 Year Bianco Pumpz Warranty</p>				 <div style="text-align: right;">    </div>
<b>BIA-INOX45S2MPCX</b>	<b>804913</b>	0.45kW, 0.6hp, 240V, max hd 38m, max flow 50L/m, 4 taps. Ports 1" BSPF in, 1" BSPM Out, 2.2 bar controller.	<b>\$499</b>	
<b>BIA-INOX60S2MPCX</b>	<b>802801</b>	0.6kW, 0.8hp, 240V, Max Head 42m, Max Flow 57L/m, 5 taps. Ports 1" BSPF In, 1" BSPM Out. 2.2 bar controller.	<b>\$560</b>	
<b>BIA-INOX90S2MPCX</b>	<b>802802</b>	0.75kW, 1.0hp, 240V, Max Head 46m, Max Flow 68L/m, 6 taps. Ports 1" BSPF In, 1" BSPM Out, 2.2 bar controller.	<b>\$595</b>	
<p>Note: Taps calculated at 10 L/m</p>				
<b>BIANCO SERIES 2.0 STAINLESS STEEL HORIZONTAL MULTISTAGE PUMP WITH ELECTRONIC PUMP CONTROLLER</b>				
<p>Suitable for domestic water supply for medium to large homes.                      Pump supplied ready to go out-of-the-box , pre-wired, assembled with a Stainless Steel union and WHI-SK20PPHS2 controller with a cut in pressure of 2.2Bar.                      2 Year BIANCO PUMPZ Warranty</p>				 <div style="text-align: right;">  </div>
<b>BIA-BHM3-4MPCX</b>	<b>802436</b>	0.55kW, 0.75hp, 240V, Max Head 36m, Max Flow 72L/m Ports 1" BSPF In, 1" BSPM Out	<b>\$765</b>	
<b>BIA-BHM3-6MPCX</b>	<b>802437</b>	0.75kW, 1.0hp, 240V, Max Head 56m, Max Flow 72L/m Ports 1" BSPF In, 1" BSPM Out	<b>\$895</b>	
<b>BIA-BHM5-4MPCX</b>	<b>802438</b>	1.0kW, 1.3hp, 240V, Max Head 38m, Max Flow 105L/m Ports 1-1/4" BSPF In, 1" BSPM Out	<b>\$845</b>	
<b>BIA-BHM5-6MPCX</b>	<b>802439</b>	1.3kW, 1.7hp, 240V, Max Head 56m, Max Flow 105L/m Ports 1-1/4" BSPF In, 1" BSPM Out	<b>\$1060</b>	






PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SURFACE MOUNTED JET PUMPS</b>				
<b>DAB JETCOM SELF PRIMING JET PUMP - BARE PUMP</b>				  
Suitable for water supply in domestic installations, small-scale agriculture and gardening. 2 Year DAB Pumps Warranty				
<b>DAB-JETCOM62M</b>	<b>800424</b>	0.44kW, 0.6hp, 240V, Max Head 42m, Max Flow 45L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$525</b>	
<b>DAB-JETCOM82M</b>	<b>800425</b>	0.60kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$545</b>	
<b>DAB-JETCOM102M</b>	<b>800426</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$640</b>	
<b>DAB-JETCOM132M</b>	<b>800427</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$675</b>	




<b>DAB JETCOM SELF PRIMING JET PUMP - WITH ELECTRONIC PUMP CONTROLLER</b>				  
<p><b>A PRESSURE TANK is recommended for use with a Press Control. (Pressure Tanks sold separately)</b></p> Suitable for water supply applications with suction wells, water supply and boosting of domestic systems, agricultural and gardening applications. MPCX versions supplied with WHI-SK10AXHS2 Controller, Cut in pressure 1.5 Bar, Plug & Play leads & DAB-UNIONMPCA, Brass Union (needs assembly). 2 Year DAB Pumps Warranty				
<b>DAB-JETCOM62MPCX</b>	<b>701571</b>	0.44kW, 0.6hp, 240V, Max Head 42m, Max Flow 45L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$680</b>	
<b>DAB-JETCOM82MPCX</b>	<b>701576</b>	0.60kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$699</b>	
<b>DAB-JETCOM102MPCX</b>	<b>701566</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$795</b>	
<b>DAB-JETCOM132MPCX</b>	<b>800079</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$830</b>	




<b>DAB JETCOM SELF PRIMING JET PUMP - WITH ELECTRONIC IPRESS PRO CONTROLLER</b>				  
<p><b>A PRESSURE TANK is recommended for use with the iPRESS in Mode 1 and essential for an iPRESS in Mode 2. (Pressure Tanks sold separately)</b></p> 2 Year DAB Pump Warranty - MPCX versions supplied with BIA-iPRESSPRO Controller, Adj cut- in pressure 0.5-6 Bar Mode 1. Adj cut-in 0.5-6 Bar & cut-out pressure 0.8-9.8 Bar in Mode 2, Plug & Play leads & DAB-UNIONMPCA, Brass Union (needs assembly).				
<b>DAB-JETCOM62MPCI</b>	<b>804782</b>	0.44kW, 0.6hp, 240V, Max Head 42m, Max Flow 45L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$720</b>	
<b>DAB-JETCOM82MPCI</b>	<b>804855</b>	0.60kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$740</b>	
<b>DAB-JETCOM102MPCI</b>	<b>804783</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$835</b>	
<b>DAB-JETCOM132MPCI</b>	<b>805036</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m.	<b>\$870</b>	











PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SURFACE MOUNTED JET PUMPS</b>				
<b>DAB JET CAST IRON SELF PRIMING JET PUMP - BARE PUMP</b>				   
Suitable for water supply in domestic installations, small-scale agriculture and gardening. 2 Year DAB Pumps Warranty				
<b>DAB-62M</b>	<b>701433</b>	0.44kW, 0.6hp, 240V, Max Head 42m, Max Flow 45L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$535</b>	
<b>DAB-82M</b>	<b>701444</b>	0.60kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$540</b>	
<b>DAB-102M</b>	<b>701375</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$630</b>	
<b>DAB-132M</b>	<b>701383</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$680</b>	




<b>DAB JET CAST IRON SELF PRIMING JET PUMP - WITH ELECTRONIC PUMP CONTROLLER</b>				   
<p><b>A PRESSURE TANK is recommended for use with a Press Control. (Pressure Tanks sold separately)</b>                      Suitable for water supply applications with suction wells, water supply and boosting of domestic systems, agricultural and gardening applications. MPCX versions supplied with WHI-SK10AXHS2 Controller, Cut in pressure 1.5 Bar, Plug &amp; Play leads &amp; DAB-UNIONMPCA, Brass Union (needs assembly).                      2 Year DAB Pumps Warranty</p>				
<b>DAB-62MPCX</b>	<b>701437</b>	0.44kW, 0.6hp, 240V, Max Head 42m, Max Flow 45L/m.	<b>\$690</b>	
<b>DAB-82MPCX</b>	<b>701449</b>	0.60kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m.	<b>\$695</b>	
<b>DAB-102MPCX</b>	<b>701377</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m.	<b>\$785</b>	
<b>DAB-132MPCX</b>	<b>701385</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m.	<b>\$835</b>	

<b>DAB JET CAST IRON SELF PRIMING JET PUMP - WITH ELECTRONIC IPRESS PRO CONTROLLER</b>				   
<p><b>A PRESSURE TANK is recommended for use with the iPRESS in Mode 1 and essential for an iPRESS in Mode 2. (Pressure Tanks sold separately)</b>                      MPCI versions supplied with BIA-iPRESSPRO Controller, Adj cut- in pressure 0.5-6 Bar Mode 1. Adj cut-in 0.5-6 Bar &amp; cut-out pressure 0.8-9.8 Bar in Mode 2, Plug &amp; Play leads &amp; DAB-UNIONMPCA, Brass Union (needs assembly). 2 Year DAB Pump Warranty.</p>				
<b>DAB-62MPCI</b>	<b>804784</b>	0.44kW, 0.6hp, 240V, Max Head 42m, Max Flow 45L/m.	<b>\$740</b>	
<b>DAB-82MPCI</b>	<b>804856</b>	0.60kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m.	<b>\$745</b>	
<b>DAB-102MPCI</b>	<b>804785</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m.	<b>\$825</b>	
<b>DAB-132MPCI</b>	<b>804786</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m.	<b>\$875</b>	









PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SURFACE MOUNTED JET PUMPS</b>				
<b>DAB JETINOX S/STEEL SELF PRIMING JET PUMP - BARE PUMP</b>				  
Suitable for water supply in domestic installations, small-scale agriculture and gardening. 2 Year DAB Pumps Warranty				
<b>DAB-JINOX82M</b>	<b>701603</b>	0.6kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$655</b>	
<b>DAB-JINOX102M</b>	<b>701580</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$755</b>	
<b>DAB-JINOX112M</b>	<b>701587</b>	1.0kW, 1.36hp, 240V, Max Head 61m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$790</b>	
<b>DAB-JINOX132M</b>	<b>701591</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$790</b>	




<b>DAB JETINOX S/STEEL SELF PRIMING JET PUMP - WITH ELECTRONIC PUMP CONTROLLER</b>				  
<p><b>A PRESSURE TANK is recommended for use with a Press Control. (Pressure Tanks sold separately)</b></p> <p>Suitable for water supply applications with suction wells, water supply and boosting of domestic systems, agricultural and gardening applications. MPCX versions supplied with WHI-SK10AXHS2 Controller, Cut in pressure 1.5 Bar, Plug &amp; Play leads &amp; DAB-UNIONMPCA, Brass Union (needs assembly). 2 Year DAB Pumps Warranty</p>				
<b>DAB-JINOX82MPCX</b>	<b>701608</b>	0.6kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$810</b>	
<b>DAB-JINOX102MPCX</b>	<b>701585</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$910</b>	
<b>DAB-JINOX112MPCX</b>	<b>701590</b>	1.0kW, 1.36hp, 240V, Max Head 61m, Max Flow 60L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$945</b>	
<b>DAB-JINOX132MPCX</b>	<b>701595</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$945</b>	

<b>DAB JETINOX S/STEEL SELF PRIMING JET PUMP - WITH ELECTRONIC IPRESS PRO CONTROLLER</b>				  
<p><b>A PRESSURE TANK is recommended for use with the iPRESS in Mode 1 and essential for an iPRESS in Mode 2. (Pressure Tanks sold separately)</b></p> <p>MPCI versions supplied with BIA-iPRESSPRO Controller, Adj cut-in pressure 0.5-6 Bar Mode 1. Adj cut-in 0.5-6 Bar &amp; cut-out pressure 0.8-9.8 Bar in Mode 2, Plug &amp; Play leads &amp; DAB-UNIONMPCA, Brass Union (needs assembly). 2 Year DAB Pump Warranty.</p>				
<b>DAB-JINOX82MPCI</b>	<b>804857</b>	0.6kW, 0.8hp, 240V, Max Head 47m, Max Flow 60L/m, 6 taps Ports 1" BSPF In, 1" BSPM Out.	<b>\$845</b>	
<b>DAB-JINOX102MPCI</b>	<b>804775</b>	0.75kW, 1.0hp, 240V, Max Head 53.8m, Max Flow 60L/m, 6 taps, Ports 1" BSPF In, 1" BSPM Out.	<b>\$945</b>	
<b>DAB-JINOX112MPCI</b>	<b>804854</b>	1.0kW, 1.36hp, 240V, Max Head 61m, Max Flow 60L/m, 6 taps Ports 1" BSPF In, 1" BSPM Out.	<b>\$985</b>	
<b>DAB-JINOX132MPCI</b>	<b>804776</b>	1.0kW, 1.36hp, 240V, Max Head 48m, Max Flow 80L/m 8 taps Ports 1" BSPF In, 1" BSPM Out.	<b>\$985</b>	



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SURFACE MOUNTED HORIZONTAL MULTISTAGE PUMPS</b>				
<b>DAB EUROINOX S/STEEL SELF PRIMING JET PUMP - BARE PUMP</b>				   
Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general. 2 Year DAB Pumps Warranty				
<b>DAB-EUROINOX30/50M</b>	<b>701530</b>	0.55kW, 0.75hp, 240V, Max Head 42m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$1,025</b>	
<b>DAB-EUROINOX40/50M</b>	<b>701536</b>	0.80kW, 1.1hp, 240V, Max Head 57.7m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$1,180</b>	
<b>DAB-EUROINOX50/50M</b>	<b>600223</b>	1.0kW, 1.36hp, 240V, Max Head 72m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$1,240</b>	
<b>DAB-EUROINOX40/80M</b>	<b>701542</b>	1.0kW, 1.36hp, 240V, Max Head 59m, Max Flow 120L/m Ports 1" BSPF In, 1" BSPF Out.	<b>\$1,365</b>	

<b>DAB EUROINOX S/STEEL SELF PRIMING JET PUMP - WITH ELECTRONIC PUMP CONTROLLER</b>				   
<p><b>A PRESSURE TANK is recommended for use with a Press Control. (Pressure Tanks sold separately)</b></p> Ideal for long suction and large homes. Suitable for high density urban applications. MPCX versions supplied with WHI-SK10AXHS2 Controller, Cut in pressure 1.5 Bar, Plug & Play leads & DAB-UNIONMPCA, Brass Union (needs assembly). 2 Year DAB Pumps Warranty				
<b>DAB-EUROINOX40/50MPCX</b>	<b>701540</b>	0.80kW, 1.1hp, 240V, Max Head 57.7m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$1,335</b>	
<b>DAB-EUROINOX50/50MPCX</b>	<b>600225</b>	1.0kW, 1.36hp, 240V, Max Head 72m, Max Flow 80L/m Ports 1" BSPF In, 1" BSPM Out.	<b>\$1,395</b>	
<b>DAB-EUROINOX40/80MPCX</b>	<b>701547</b>	1.0kW, 1.36hp, 240V, Max Head 59m, Max Flow 120L/m Ports 1" BSPF In, 1" BSPM Out. Includes WHI-SK13BA Controller	<b>\$1,510</b>	

<b>DAB EUROINOX S/STEEL SELF PRIMING JET PUMP - WITH ELECTRONIC IPRESS PRO CONTROLLER</b>				   
<p><b>A PRESSURE TANK is recommended for use with the iPRESS in Mode 1 and essential for an iPRESS in Mode 2. (Pressure Tanks sold separately)</b></p> 2 Year DAB Pump Warranty - MPCX versions supplied with BIA-iPRESSPRO Controller, Adj cut- in pressure 0.5-6 Bar Mode 1. Adj cut-in 0.5-6 Bar & cut-out pressure 0.8-9.8 Bar in Mode 2, Plug & Play leads & DAB-UNIONMPCA, Brass Union (needs assembly).				
<b>DAB-EUROINOX40/50MPCI</b>	<b>804778</b>	0.80kW, 1.1hp, 240V, Max Head 57.7m, Max Flow 80L/m, 8 taps.	<b>\$1,375</b>	
<b>DAB-EUROINOX50/50MPCI</b>	<b>805038</b>	1.0kW, 1.36hp, 240V, Max Head 72m, Max Flow 80L/m, 8 taps.	<b>\$1,435</b>	
<b>DAB-EUROINOX40/80MPCI</b>	<b>804788</b>	1.0kW, 1.36hp, 240V, Max Head 59m, Max Flow 120L/m, 12 taps.	<b>\$1,555</b>	

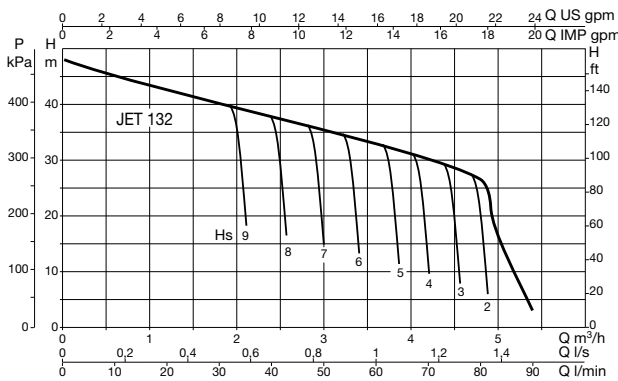
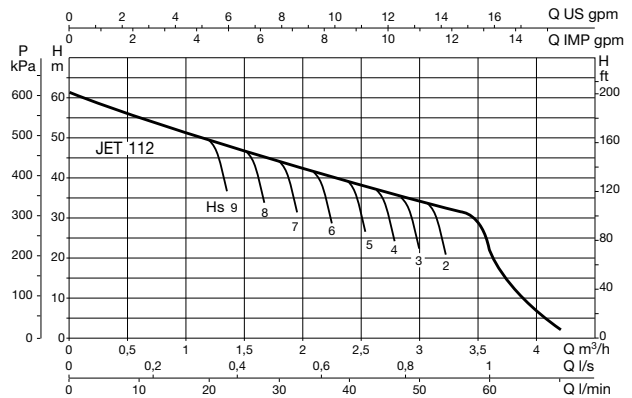
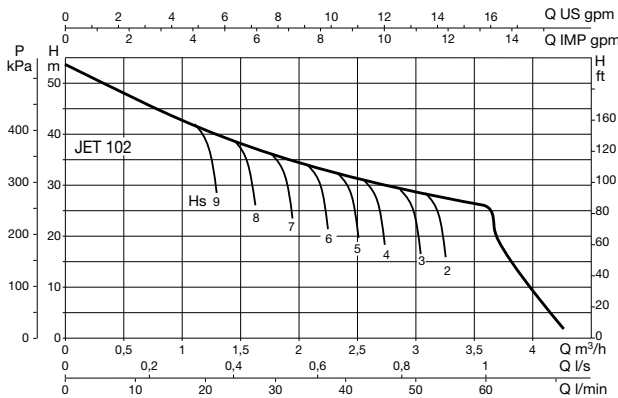
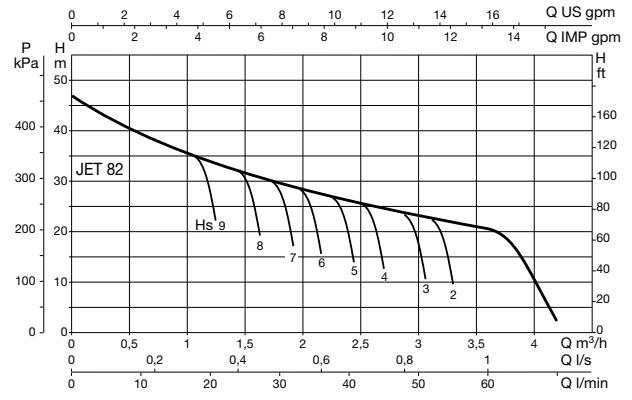
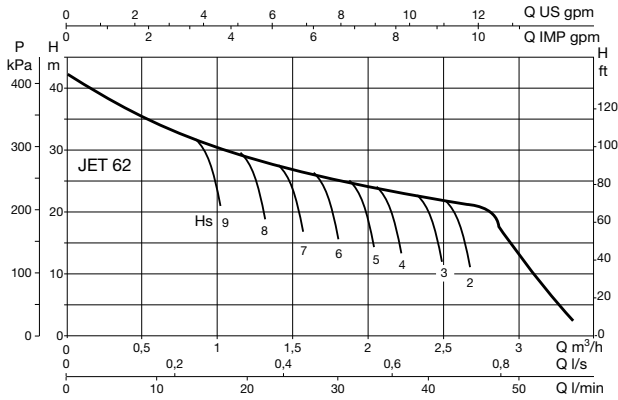
Prices in Blue, stock comes from Sydney or supplier



# DOMESTIC PUMP CURVES

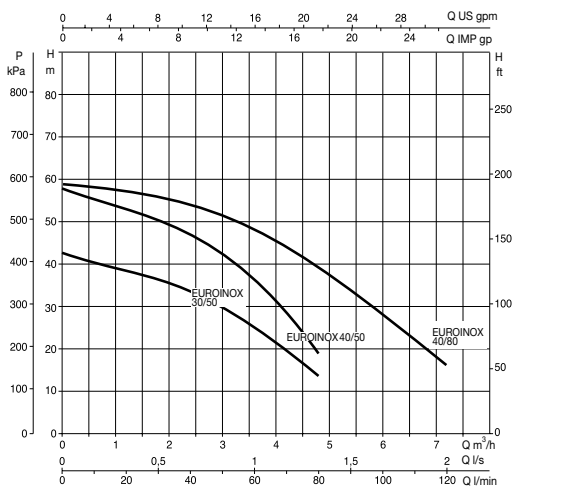


## DAB JETCOM JET & JETINOX SERIES 62 – 132 Pages 16 to 18

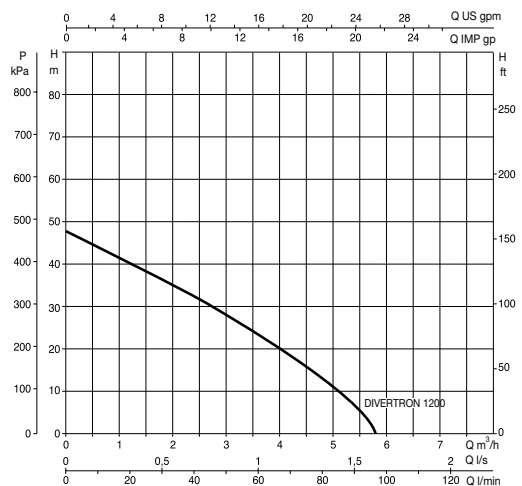


## DAB EUROINOX SERIES Page 19

Not all models available



## DAB DIVERTRON Page 14



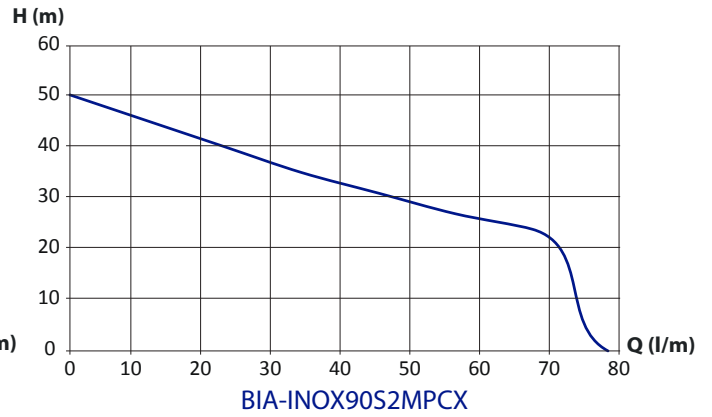
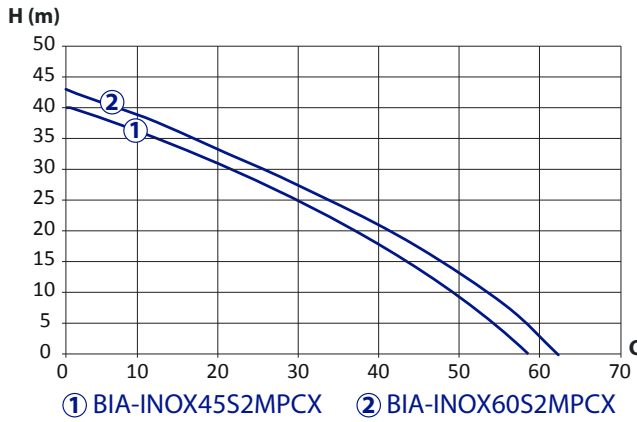


# DOMESTIC PUMP CURVES

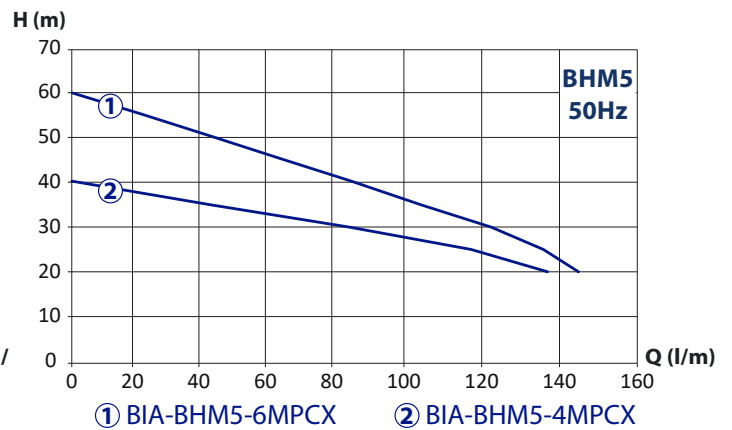
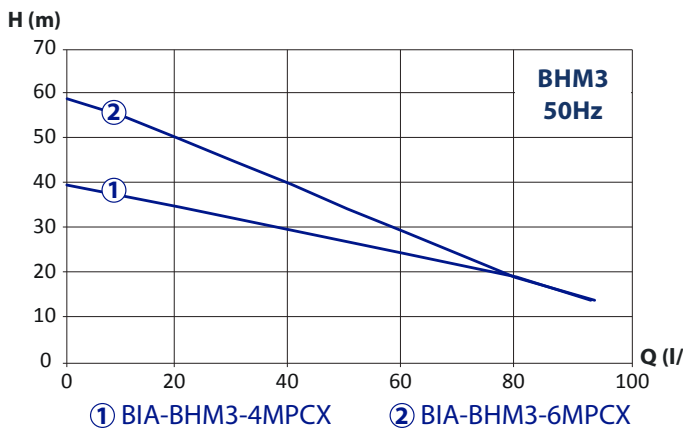


DOMESTIC & HOUSEHOLD

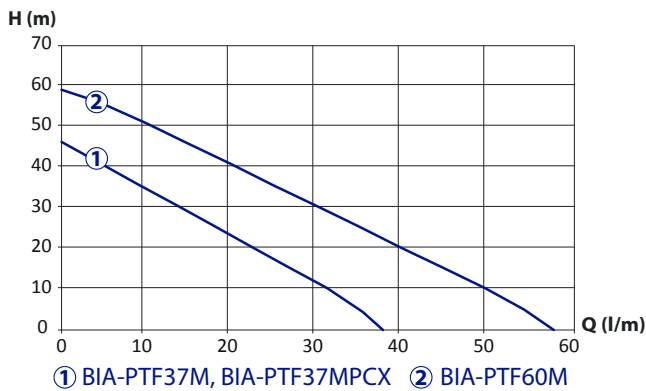
## BIANCO INOX JET SERIES Page 15



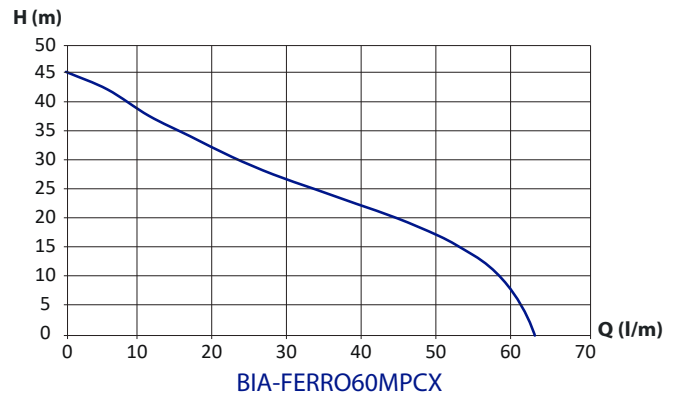
## BIANCO Horizontal Multistage Pressure Systems Page 15



## BIANCO Peripheral Turbine Pumps Page 23









## BIANCO Ferro Jet Pump Page 15



For more information on the Bianco domestic and household range, visit [whiteint.co.nz/bianco-pumpz](http://whiteint.co.nz/bianco-pumpz)



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>DELUX AND ELITE COMPLETE PUMP BOX PACKAGES</b>				
<b>SYSTEMS</b>				
<p>Both PUMP Boxes Contain</p> <ul style="list-style-type: none"> <li>• UV Steriliser light</li> <li>• 20 micron Gradient Density filter -takes the large particles out of your water</li> <li>• 1 micron Gradient Density filter - removes the microscopic particles out of your water</li> <li>• Filter Housings - industry standard, solid design, found in homes everywhere!</li> <li>• Flexi Hose and all attachments</li> <li>• Filter Housing Spanner</li> <li>• Lockable Storage Box - Houses your complete system - made of extremely durable materials, guaranteed for 20 years and can be stored neatly in a garage or at the side of your property.</li> <li>• Storage box colours available - dark green, dark grey and beige</li> <li>• Power Connection and Bulkhead Fittings</li> <li>• All instructions included and system comes pre-tested</li> </ul>				
<b>BIA-iJINOX132BOX</b>	<b>804667</b>	<p>ELITE All-in-one pump box contains,            701595 DAB JINOX 132MPCX pump 1.0kW 240V 48m Head / 80LPM flow            2L Reflex Tank Part No REF-DE2 806043            2 X 10" Jumbo Filter housings, 50-20um &amp; 20-1um dual gradient Polyspun filters            48W UV Lamp producing 30mj/cm2@ 70Lpm            Box size 680L x 460W x 600H</p>	<b>POA</b>	  
<b>BIA-IESYBOX</b>	<b>802667</b>	<p>DELUX ESYBOX All-in-one pump box contains,            621 DAB E.sybox pump 1.55kW 240V 65m Head / 120LPM flow            2 X 10" Jumbo Filter housings, 50-20um &amp; 20-1um dual gradient Polyspun filters            48W UV Lamp producing 30mj/cm2@ 70Lpm            Box size 1050L x 460W x 600H</p>	<b>POA</b>	  
<b>BIA-IESYBOXMINI</b>	<b>804666</b>	<p>DELUX ESYBOX MINI3 All-in-one pump box contains,            805406 DAB MINI E.sybox pump 0.85kW 240V 55m Head / 80LPM flow            2 X 10" Jumbo Filter housings, 50-20um &amp; 20-1um dual gradient Polyspun filters            48W UV Lamp producing 30mj/cm2@ 70Lpm            Box size 1050L x 460W x 600H</p>	<b>POA</b>	  



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>BIANCO PERIPHERAL TURBINE PRESSURE SYSTEMS</b>				
<b>BIANCO SURFACE MOUNTED - PERIPHERAL TURBINE PUMPS</b>				
Cast iron with cataphoresis coating, stainless steel impeller. 2 Year BIANCO Pumpz Warranty.				
<b>BIA-PTF37M</b>	<b>802788</b>	Cast Iron PT Pump 0.37kW , 40m Max Head , 40L/min Max Flow	<b>\$225</b>	
<b>BIA-PTF60M</b>	<b>802790</b>	Cast Iron PT Pump 0.60kW , 60m Max Head , 50L/min Max Flow	<b>\$325</b>	
<b>BIA-PTF37MPCX</b>	<b>802789</b>	0.37kW, 0.5hp, 240V, Max Head 40m, Max Flow 40L/m, 3 taps. Ports 1" BSPF In, 1" BSPM Out. 2.2 bar controller.	<b>\$400</b>	







Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>CIRCULATOR PUMPS</b>				
<b>BIANCO STAINLESS STEEL DOMESTIC CIRCULATORS</b>				
Pumps with stainless steel for hot water circulation in domestic systems including solar hot water and under floor heating systems. 3 Speed. maximum operating temperature 110°C. Comes complete with unions. 2 Year BIANCO PUMPZ Warranty				
<b>BIA-C2060-150</b>	<b>802778</b>	3 speed, W, 240V, Max Head 6m, Max Flow 75L/m 1-1/4" BSPM inlet & outlet, includes 1-1/4" F x 3/4" F unions. 150mm centre distance	<b>\$290</b>	   
<b>BIA-C2580-180</b>	<b>802779</b>	3 speed, 245W, 240V, Max Head 8m, Max Flow 130L/m 1 1/2" BSPM inlet & outlet, includes 1 1/2" F x 1" F unions. 180mm centre distance	<b>\$445</b>	
<b>BIA-C3280-180</b>	<b>805645</b>	3 speed, 245W, 240V, max hd 8m, max flow 130L/m 2" BSPM inlet & outlet, includes 2" F x 1 1/4" F unions. 180mm centre distance	<b>\$465</b>	
<b>BIA-iCIRC</b>	<b>802777</b>	45W, VFD operation, 5 settings, including self adapting auto, 240V, Max Head 6m, Max Flow 50L/m. 1 1/2" BSPM outlet, unions 1" BSPF included. 150mm centre distance	<b>\$550</b>	   
<b>BIANCO HOT WATER BOOSTER</b>				
Pump with stainless steel body for hot water boosting in domestic systems. Suitable for boosting pressure for gravity fed hot water systems. Single speed operation. maximum operating temperature 104oC. Comes complete with unions. 2 Year BIANCO PUMPZ Warranty				
<b>BIA-C1509-160</b>	<b>803064</b>	Single speed, Auto start-stop of booster based on water flow through hot water booster, 120W, 240V Max head 9.0m, Max Flow 30L/m. 3/4" BSPM outlet, unions 1/2" BSPM 160mm centre distance	<b>\$350</b>	   





PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION	
<b>CIRCULATOR PUMPS</b>					
<b>DAB CAST IRON DOMESTIC CIRCULATORS</b>					
Pumps with cast iron body for hot water circulation in domestic systems including solar hot water and under floor heating systems. IP44 3 Speed. maximum operating temperature 110°C. Order unions separately. VA & VAS circulators are 3 speed 2 Year DAB Pumps Warranty					
<b>DAB-VA35-130</b>	<b>702734</b>	56W, 240V, Max Head 4.3m, Max Flow 50L/m. 1 1/2" BSPM outlet 3 speed 130mm centre distance	<b>\$398</b>	  Unions purchased separately.  	
<b>DAB-VA55-130</b>	<b>702735</b>	70W, 240V, Max Head 5.4m, Max Flow 60L/m. 1 1/2" BSPM outlet 3 speed 130mm centre distance	<b>\$410</b>		
<b>DAB-VA65-130</b>	<b>702736</b>	78W, 240V, Max Head 6.0m, Max Flow 60L/m. 1 1/2" BSPM outlet 3 speed 130mm centre distance	<b>\$421</b>		
<b>DAB BRONZE DOMESTIC CIRCULATOR</b>					
Pumps with bronze body for hot water circulation in domestic systems including hot water and under floor heating systems. IP44 Single Speed. Order unions separately. 2 Year DAB Pumps Warranty					
<b>DAB-VS65-150</b>	<b>702738</b>	77W, 240V, Max Head 6.0m, Max Flow 60L/m 1 1/2" BSPM outlet 150mm centre distance	<b>\$699</b>	  Unions purchased separately.  	
<b>DAB CIRCULATOR ACCESSORIES</b>					
<b>DAB-UNION3/4</b>	<b>702730</b>	Cast Iron (pair) suit 1-1/2" port, 3/4" BSPF	<b>\$33</b>		
<b>DAB-UNION1</b>	<b>702727</b>	Cast Iron (pair) suit 1-1/2" port, 1" BSPF	<b>\$33</b>		
<b>DAB-UNION3/4B</b>	<b>702731</b>	Brass (pair) suit 1-1/2" port, 3/4" BSPF	<b>\$79</b>		
<b>DAB-UNION1B</b>	<b>702729</b>	Brass (pair) suit 1-1/2" port, 1" BSPF	<b>\$79</b>		

Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>CONTROLLERS</b>				
<b>WHITE INTERNATIONAL ELECTRONIC PUMP CONTROLLERS</b>				
WHI-SK10AXHS2	711943	<p>AUTO RESTART AUTOMATIC PUMP CONTROLLER PLUG AND PLAY with round 3 pin socket and pressure gauge. 240V, 1 ph, 10A Max, 1.5kW, 2.0hp, IP65, Ports 1" BSPM. Cut in pressure 1.5 bar. Min pump pressure kPa. 12 Month Warranty</p>  <p>3 pin Socket</p>	\$155	   
WHI-SK20PPHS2	711942	<p>AUTO RESTART AUTOMATIC PUMP CONTROLLER PLUG AND PLAY with IEC lead and pressure gauge. 240V, 1ph, 10A Max, 1.5kW, 2.0hp, IP65, Ports 1" BSPM. Cut in pressure 2.2 bar. Min pump pressure kPa. 12 Month Warranty</p>  <p>IEC Lead</p>	\$165	
WHI-SK13BA	710845	<p>AUTO RESTART ADJUSTABLE AUTOMATIC PUMP 240V, 1ph, 10A Max, 1.1kW, 1.5hp, IP65, Ports 1" BSPM Adjustable cut in pressure setting range 1.5 - 3.0 bar.AS/ NZS4020 approved for drinking water 12 Month Warranty</p>  <p>3 pin Socket</p>	\$130	   
BIA-iPRESSPRO	802776	<p>The BIA-iPRESS PRO is a device used to control electric 240V pumps of 2.2kW or less. The controller monitors both the pressure and the flow. It controls the operation of the pump automatically. <b>Because of its design, a pressure tank is recommended for Mode 1 and MUST be used for Mode 2.</b> The unit will protect the pump should the water supply fail (due to a blockage in the pipe or tank running dry) and will automatically restart normal operation once water is restored. The iPRESS PRO is the first electric pump controller with a fully Adjustable cut in (start) pressure of between 0.5-6.0 bar and a cut out (stop) pressure of between 0.8-9.8 bar. The iPRESS PRO has the ability to operate as either a standard auto restart pressure controller (start pressure to be set) or an automatic restart loss of prime pressure switch (start and stop pressure to be set). The iPRESS PRO enables the home owner full control of the pressure system. Ports 1"BSPM.</p>	\$175	    



**reflex**

Thinking solutions.

**NEW PRODUCT RANGE  
STOCK AVAILABLE NOW**

Ranging from 2-L, Reflex Pressure Tanks are manufactured in Europe and are ideally suited for a wide range of applications. These include booster systems, bore hole systems, sprinklers, irrigation systems, HVAC, thermal expansion and water hammer arresting.

## BENEFITS

- Constructed for long life
- Extends pump life
- Reduces pump starts and noise
- Protects against water hammer and thermal expansion

## FEATURES

- Manufactured in Europe
- 304 & 316Ti Stainless Steel water connection
- Corrosion resistant for long life
- UV resistant epoxy coating with a minimum thickness of 30 micron in blue RAL7
- Air valve with sealing cap eliminates leaks
- Food grade approved high-grade butyl membranes and bladders WRAS, ACS, AS/NZS4020
- Maximum working temperature 70° C
- Maximum working pressures of 45psi/10bar or 232psi/16bar
- Tank pre-charge 58psi/4bar Nitrogen
- 5 year tank replacement guarantee



## REFIX DE

- 2-18 Litres
- Bladder according to DIN EN 13831
- All vessel parts in contact with water are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Vertical

## REFIX DC

- 25 - 400 Litres
- Diaphragm, according to DIN EN 13831 norm part 3
- All vessel parts in contact with water are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Vertical / Free-Standing

## REFIX HW

- 25-80 Litres
- Diaphragm according to DI EN 13831 norm part 3
- All vessel parts are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Horizontal

## APPLICATIONS

An energy saving device such as a Reflex Pressure Tank pressure storage cell, stores energy in the form of pressurised water. The energy is transformed by the pump from electricity to water pressure. With a Reflex Pressure Tank, there is no loss of energy once it has been stored in the device.

By installing a Reflex Tank, the pump start events can be cut by 40 – 80%

- Saving Power
- Extending Pump Life
- Reducing Noise
- Low initial cost

The Reflex Tank is easy to fit to most pumps and can also be wall mounted. The tank can be installed within minutes and the system can be fitted to any brand or type of pump.



# REFLEX PRESSURE TANKS

## DE Series

**VERTICAL TANKS, HIGH-GRADE BUTYL BLADDER  
ACCORDING TO DIN EN 13831  
2 YEAR TANK REPLACEMENT GUARANTEE**

Part Number	Item Code	Description	Litres	List
REF-DE2	806043**	2L Vertical, 10 bar, 1" BSPM	1	\$66
REF-DE8	806044**	8L Vertical, 10 bar, 1" BSPM	3	\$81
REF-DE18	806045**	18L Vertical, 10 bar, 1" BSPM	6	\$97

Note: Codes marked \*\* are WaterMark approved to WMTS-485:2018 Certificate No. 23340



## DC Series

**VERTICAL TANKS, HIGH GRADE BUTYL DIAPHRAGM  
ACCORDING TO DIN EN 13831  
2 YEAR TANK REPLACEMENT GUARANTEE**

Part Number	Item Code	Description	Litres	List
REF-DC25	806050**	25L Vertical, 10 bar, 1" BSPM	9	\$185
REF-DC50	806051**	50L Vertical, 10 bar, 1" BSPM	18	\$343
REF-DC80	806052	80L Vertical, 10 bar, 1" BSPM	29	\$520
REF-DC100	806053	100L Vertical, 10 bar, 1" BSPM	36	\$565
REF-DC140	806054	140L Vertical, 10 bar, 1" BSPM	50	\$725

Note: Codes marked \*\* are WaterMark approved to WMTS-485:2018 Certificate No. 23340  
Larger tank sizes through to L available ex-stock



## HW Series

**HORIZONTAL TANKS, HIGH GRADE BUTYL DIAPHRAGM  
ACCORDING TO DIN EN 13831  
2 YEAR TANK REPLACEMENT GUARANTEE**

Part Number	Item Code	Description	Litres	List
REF-HW25	806058	25L Horizontal, 10 bar, 1" BSPM	9	\$220
REF-HW50	806059	50L Horizontal, 10 bar, 1" BSPM	18	\$490
REF-HW80	806060	80L Horizontal, 10 bar, 1" BSPM	29	\$556



# REFLEX ACCESSORIES

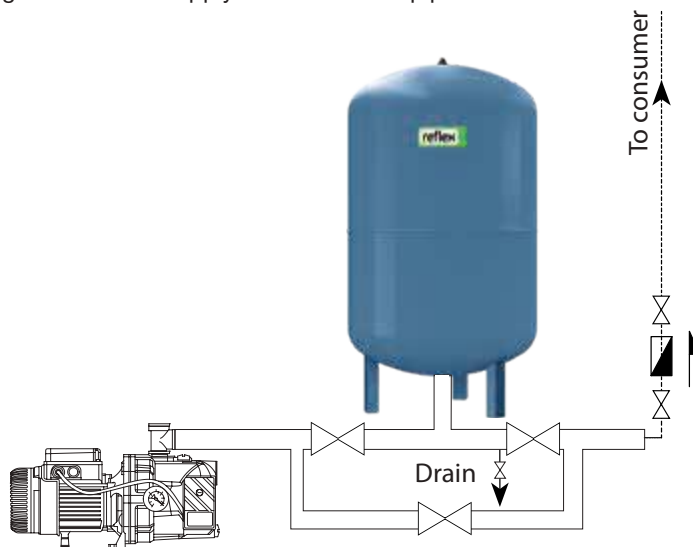
Part Number	Item Code	Description	List
REF-WALLBRACKET	806107	Wall Bracket suit tanks 8L – 25L	\$34
REF-LOCKSHIELD1	806108	Lockshield valve 1" for maintenance PN10	\$198
REF-PG	806109	Digital Pressure Gauge 0 – 9 bar	\$82

# REFLEX APPLICATIONS

## Vessel on a pressure system

With the vessel mounted on the discharge side of the booster system, the numbers of pump starts are reduced and also pump starts at small draw-offs are totally eliminated. This reduces pump wear and extends pump life time. Maintenance of the vessel can be done without shutting off the water supply with the shown pipework.

Diaphragm expansion tank mounted on discharge side of pump	
Cut-in pressure of pump	Precharge pressure of tank
2 bar	1.8 bar
3 bar	2.8 bar
4 bar	3.7 bar
5 bar	4.7 bar
6 bar	5.7 bar
7 bar	6.6 bar
8 bar	7.5 bar
9 bar	8.5 bar
10 bar	9.5 bar
11 bar	10.5 bar
12 bar	11.5 bar
13 bar	12.5 bar



## Pre-charge instructions

1. Pressure switch controlled pumps with differential pressure set at 140 kPa (20 psi), pre-charge the tank to 20 kPa (3 psi) below the cut in pressure.
2. For pumps controlled by pressure switches with higher differential pressures, electronic controls or variable speed controls, pre-charge the tank to 65% of the maximum system pressure.
3. Pressure tanks installed on mains pressure, pre-charge should be set at the mains pressure.
4. For hot water expansion, pre-charge should be set at the mains pressure.

		CUT IN PRESSURE							
		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
CUT OUT PRESSURE	2.5	1.30	1.80	Green cells - precharge is 20kpa below cut in pressure					
	3.0	1.66	1.80	2.30	Blue cells - precharge is 66.6% of cut out pressure				
	3.5	2	1.80	2.30	2.80				
	4.0	2.33	2.33	2.33	2.80	3.30			
	4.5	2.66	2.66	2.66	2.80	3.30	3.80		
	5.0	3	3	3	2.80	3.30	3.80	4.30	
	5.5	3.33	3.33	3.33	3.33	3.30	3.80	4.30	4.80
	6.0			3.66	3.66	3.66	3.80	4.30	4.80
	6.5			4	4	4	4	4.30	4.80
	7.0			4.33	4.33	4.33	4.33	4.33	4.80
	8.0			4.99	4.99	4.99	4.99	4.99	4.99
	9.0				5.66	5.66	5.66	5.66	5.66



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>ACCESSORIES</b>				
DAB-6BARPS	701440	Telemecanique Pressure Switch 6 BAR	\$100	 BIA-SK6
DAB-12BARPS	701380	Telemecanique Pressure Switch 12 BAR	\$120	
WHI-6BARPG	701439	Pressure Gauge 6 BAR	\$23	
WHI-12BARPG	701379	Pressure Gauge 12 BAR	\$35	
DAB-UNIONMPCA	702733	Hex Union 1" M/F Brass	\$27	 BIA-SK9A
DAB-3WT	701423	Three Way Tee 1"x1"x1" Bronze	\$26	
DAB-5WT	701431	Five Way Tee 1/4"x1/4"x1"x1" Bronze	\$27	
DAB-NRV25FM	701758	Check Valve 1" Bronze F/M	\$80	
DAB-NRV25MF	701759	Check Valve 1" Bronze M/F	\$75	 BIA-SK12
DAB-STR25M	702726	Screw In Strainer 1" Bronze	\$23	
BIA-SK6	700968	Loss of prime pressure switch. Pressure Switch Setting: 1 - 6 Bar Factory Setting: 1.4 - 2.8 Bar, 240V, 1 ph, Connection: 6mm (1/4") BSP, Indoor Use	\$27	
BIA-SK9A	700969	Adjustable pressure switch 6 bar With stainless steel back plate Pressure Switch Setting: 1 - 6 Bar, Factory Setting: 1.4 - 2.8 Bar 240V, 1 ph, IP44, Connection: 6mm (1/4") BSP	\$29	
BIA-SK12(5M)	700965	5m Float Switch 10A with HO5 Neoprene Cable	\$27	 BIA-SK12CWB
BIA-SK12(10M)	700962	10m Float Switch 10A with HO5 Neoprene Cable	\$37	
BIA-SK12(20M)	700963	20m Float Switch 10A with HO5 Neoprene Cable	\$77	
BIA-SK12(30M)	700964	30m Float Switch 10A with HO5 Neoprene Cable	\$110	
BIA-FSK1	700610	10 Metre float switch with H07 neoprene cable 240V, 1 ph, 10A Max, "3 wire", IP68, Max 50°C.	\$56	 WHI-PIGGYBACKFLOAT
BIA-FSK1.1	801125	80mm diameter, 10 metre round Float Switch with H07 Neoprene	\$47	
BIA-FSK1-20	700611	20 Metre float switch with H07 neoprene cable. 240V, 1 ph, 16A Max, "3 wire", IP68, Max 50°C.	\$99	
BIA-SK12CWB	700967	Float switch counterweight g gland mounting	\$5	
BIA-TSHKITA	701034	Rainwater tank suction hose & float kit	\$98	
BIA-TSHKITA-1.5M	804721	Rainwater tank suction hose & float kit 1.5M	\$112	
WHI-PIGGYBACKFLOAT-V4	802669	15 Metre piggy back float switch 16(8)a	\$107	
WHI-PUMPCOVERNZ	710821	Pump cover to suit pumps with fitted controllers - DAB or BIANCO Electronic Pumps Sturdy two piece design - base and lid Cut-out slots for inlet and outlet piping Ventilation in base and lid Beige colour Size: 640L x 340W x 601H (mm)	\$199	

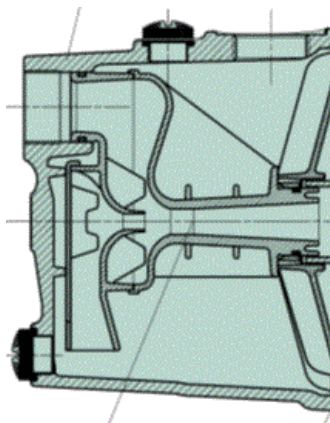
Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	SUITS	PRICE
<h2>Mechanical Seals</h2>				
DABSR00005615	702419		DAB-100	\$36
			DAB-151	
			DAB-251	
			DAB-K12-200	
			DAB-K14-400	
			DAB-K30-100	
			DAB-K30-70	
			DAB-K35-40	
			DAB-K35-100	
			DAB-K36-100	
			DAB-K40-100	
			DAB-K45-50	
			DAB-K55-50	
DABSR00009575	702119	 <p>Kit includes Back Plate and Casing O-ring</p>	DAB-61	\$70
			DAB-JET/JETCOM/JETINOX62	
			DAB-81	
			DAB-JET/JETCOM/JETINOX82	
			DAB-JET/JETCOM/JETINOX102	
			DAB-JET/JETINOX112	
			DAB-JET/JETINOX132	
			DAB-K20-41	
			DAB-JINOX90	
			DAB-JINOX110	
DABSR00005282	702257		DAB-EUROINOX -all Models	\$36
DABSR00005210	702216		DAB-200	\$36
			DAB-300	
DABSR00005652	702439		DAB-K11-500	\$184
			DAB-K18-500	
			DAB-K28-500	
			DAB-K40-200	
DABSR00005551	702387		DAB-K36-200	\$170
			DAB-K55-100	
			DAB-K55-200	
			DAB-K66-100	
			DAB-K90-100	
DABSR00005586	702407		DAB-K20-1200	\$244
			DAB-K30-800	
			DAB-K40-400	
			DAB-K40-800	
			DAB-K50-400	
			DAB-K50-800	
DABSR00005586	802348		DAB-ESYBOX	\$102
DABSP00001144	804947		DAB-ESYBOXMINI	\$83



PART NO.	ITEM CODE	DESCRIPTION	SUITS	PRICE
<h1>Jet &amp; Venturi</h1>				
DABSR00004013	702082	Includes Diffuser	DAB-62	\$45
			DAB-JETCOM 62	
			DAB-JINOX 62	
DABSR00010537	702087	Includes Diffuser	DAB-82	\$70
			DAB-JETCOM 82	
			DAB-JINOX 82	
			DAB-102	
			DAB-JETCOM 102	
			DAB-JINOX 102	
			DAB-112	
DAB-JINOX112				
DABSR00005164	702194	Includes Diffuser	DAB-132	\$69
			DAB-JETCOM132	
			DAB-JINOX132	
DABSR00005248	702234	Jet & Venturi	DAB-151	\$39
DABSR00005256	702242	Jet & Venturi	DAB-251	\$33
DABSR00005212	702218	Jet & Venturi	DAB-200	\$33
			DAB-300	



DNA (DAB Navigator Application) is the DAB's software that allows you to find in a few seconds the pump model best suited to your needs. DNA uses two different selection criteria, by hydraulic performances or by pump model. DNA provides also spare parts lists as well as all DAB technical literature. The frequent updating and ease of use make DNA an ideal support tool for engineers, installers and dealers.

Log on to DAB DNA for - pump selector and spare parts identification  
<http://dna.dabpumps.com>



PART NO.	ITEM CODE	DESCRIPTION	SUITS	PRICE
<h2>Impellers</h2>				
DABSR00007493	702628	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-61 K20-41	\$33
DABSR00004010	702080	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-62 DAB-JETCOM 62 DAB-JINOX 62 DAB-82 DAB-JETCOM 82 DAB-JINOX 82	\$79
DABSR00005365	702278	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-81	\$69
DABSR00005380	702291	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-100	\$52
DABSR00005153	702190	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-102 DAB-JETCOM 102 DAB-JINOX 102	\$45
DABSR00005158	702192	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-JINOX112 DAB-132 DAB-JETCOM 132 DAB-JINOX 132	\$45
DABSR00005245	702232	Impeller Kit, includes 2 Impellers, Diffuser, O-ring, Key, Impeller Nut & Spacer	DAB-151	\$134
DABSR00005254	702240	Impeller Kit, includes 2 Impellers, Diffuser, O-ring, Key, Impeller Nut & Spacer	DAB-251	\$129
DABSR00005207	702213	Impeller Kit, includes Impeller, Diffuser, O-ring, Key	DAB-200	\$78
DABSR00005231	702223	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-300	\$78
DABSR00005309	600472	Self Priming Flange	DAB-EUROINOX all models	\$35
DABSR00005327	702266	Single Stage Kit (each) Includes 1 Impeller, 1 Diffuser	DAB-EUROINOX25/30 x 3 off DAB-EUROINOX30/30 x 4 off DAB-EUROINOX40/30 x 5 off	\$36
DABSR00008764	702705	Single Stage Kit (each) Includes 1 Impeller, 1 Diffuser	DAB-EUROINOX30/50 x 3 off DAB-EUROINOX40/50 x 4 off DAB-EUROINOX50/50 x 5 off	\$53
DABSR00005337	702270	Single Stage Kit (each) Includes 1 Impeller, 1 Diffuser	DAB-EUROINOX30/80 x 4 off DAB-EUROINOX40/80 x 5 off	\$54
DABSP00000158	802349	Complete Hydraulic Kit	DAB-ESYBOX	\$153
DABSP00002192	804948	Complete Hydraulic Kit	DAB-ESYBOXMINI	\$143

PART NO.	ITEM CODE	DESCRIPTION	SUITS	PRICE
<h1>Impellers</h1>				
DABSR00005613	702417	2 Impellers, includes Diffuser, Key, Nut	DAB K35-40	\$116
DABSR00005624	702426	2 Impellers, includes Diffuser, Key, Nut	DAB K45-50	\$161
DABSR00005638	702431	2 Impellers, includes Diffuser, Key, Nut	DAB K55-50	\$249
DABSR00005651	702438	2 Impellers, includes Diffuser, Key, Nut	DAB K55-100	\$233
DABSR00005655	702442	2 Impellers, includes Diffuser, Key, Nut	DAB K66-100	\$367
DABSR00005656	702443	2 Impellers, includes Diffuser, Key, Nut	DAB K90-100	\$415
DABSR00005665	702450	2 Impellers, includes diffuser, key, nut	DAB K80-300	\$517
DABSR00007498	702633	Impeller Kit, includes O-ring, Key, Impeller Nut, Open Channel	DAB K12-200	\$33
SP00001870	805888	Impeller Kit, includes O-ring, Key, Impeller Nut, Closed Channel	DAB K12-200	\$123
DABSR00007502	702637	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K14-400	\$220
DABSR00007496	702631	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K30-100	\$37
DABSR00007495	702630	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K30-70	\$37
DABSR00007497	702632	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K36-100	\$41
DABSR00007499	702634	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K36-200	\$80
DABSR00007506	702641	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K40-400	\$294
DABSR00007507	702642	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K50-400	\$294
DABSR00007505	702640	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K28-500	\$361
DABSR00007501	702636	Impeller Kit, includes O-ring, Key, Impeller Nut	DAB K55-200	\$178
DABSR00008632	702697		DAB NOVA 180 N4	\$68
DABSP60117222	803303		DAB NOVA 180 N5	\$33
DABSP60117221	800435		DAB NOVA 200 N6	\$33
			DAB NOVA 300 N6	
DABSR00008600	702688		DAB NOVA 600 N6	\$33
			DAB FEKA 600 N6	
DABSP60150467	800433		DAB NOVA 600 N5	\$33
			DAB FEKA 600 N5	



PART NO.	ITEM CODE	DESCRIPTION	SUITS	PRICE
<h2>Capacitors</h2>				
DABSR00004009 DABSR00008871	702079	13	DAB JET/JINOX/JETCOM 62M	\$55
			DAB JET/JINOX/JETCOM 82M	
			DAB-EUROINOX 30/30M	
			DAB-EUROINOX 30/50M	
			DAB DIVERTRON 1200	
			DAB DIVERTRON 1200X	
DABSR00005113	702164	16	DAB JET/JINOX/JETCOM 102M	\$36
DABSR00005139 DABSR00010362	702181	25	DAB JET/JINOX/JETCOM 112M	\$52
			DAB JET/JINOX/JETCOM 132M	
			DAB-EUROINOX40/50M	
			DAB-EUROINOX50/50M	
			DAB-EUROINOX40/80M	
			DAB K30/70M	
			DAB K12/200M	
DABSR00005206	702212	31.5	DAB JET 151M N3	\$45
			DAB JET 200M	
			DAB K14/400M	
			DAB K30/100M	
			DAB K45/50M	
			KVCX45-80 N2	
DABSR00010261	702718	31.5	KVCX45-80 N3, N4	\$62
DABSR00005230	702222	40	DAB JET 251M	\$36
			DAB JET 300M	
			DAB K36/100M	
			DAB K55/50M	
DABSR00004812	702136	10	DAB EUROINOX 25/30M	\$33
			DAB KP60/6M	
			DAB K20/41M	
DABSR00004663	702124	8	DAB KPF30/16M	\$54
DABSR00005456	702326	8	DAB KPS30/16M N1	\$54
DABSR00004140	702099	20	DAB KP60/12M	\$33
DABSR00010175	804939	40	KVCX45-120 N3, N4, N5, N6	\$67
DABSR00004544	702117	20	DAB K35/40M	\$33
DABSR00005162 DABSR00010213	702193	14	KVCX30-50N2 0.55KW	\$54
DABSR00008724	702702	5	DAB NOVA 180 N4	\$20
DABSP60119028	804946	7	DAB NOVA 180 N5	\$33
DABSR00008732	702703	8	DAB NOVA 200 N5	
			DAB NOVA 300 N5	
DABSP60114545	804940	8	DAB NOVA 200 N6	\$21
			DAB NOVA 300 N6	
DABSR00008736	702704	14	DAB NOVA 600 N5	\$33
			DAB FEKA 600 N5	
DABSR00004140	702099	20	DAB FEKA VP750	33.00



# Bearings

FRONT BEARING			PUMP MODELS	REAR BEARING		
PART NO	ITEM CODE	PRICE		PART NO	ITEM CODE	PRICE
DABS005111	702162	\$36	DAB-100	DABS005112	702163	\$47
			DAB-K12-200			
			DAB-K30-70			
			DAB-JET/JETCOM/JETINOX102			
			DAB-JET/JETINOX112			
			DAB-JET/JETINOX132			
			DAB-EUROINOX40/50			
			DAB-EUROINOX40/80			
DABS005112	702163	\$47	DAB-61			
			DAB-81			
DABS005129	702175	\$47	DAB-JET/JETCOM/JETINOX62			
			DAB-JET/JETCOM/JETINOX82			
			DAB-K20-41			
			DAB-EUROINOX30/30			
			DAB-EUROINOX30/50			
DABS005244	702231	\$36	DAB-151	DABS005205	702211	\$36
			DAB-251			
			DAB-K14-400			
			DAB-K30-100			
			DAB-K35-100			
			DAB-K36-100			
			DAB-K40-100			
			DAB-K45-50			
			DAB-K55-50			
DABS005258	702244	\$63	DAB-200			
			DAB-300			
DABS005546	702384	\$55	DAB-K11-500	DABS005547	702385	\$36
			DAB-K18-500			
			DAB-K28-500			
			DAB-K40-200			
			DAB-K55-100			
			DAB-K55-200			
			DAB-K66-100			
			DAB-K90-100			
DABS004959	702146	\$148	DAB-K20-1200	DABS004960	702147	\$121
			DAB-K30-800			
			DAB-K40-400			
			DAB-K40-800			
			DAB-K50-400			
			DAB-K50-800			



PART NO.	ITEM CODE	DESCRIPTION	SUITS	PRICE
<h2>O Rings</h2>				
DABSR00005202	702209		DAB-200	\$54
			DAB-300	
DABSR00005242	702229		DAB-151	\$34
			DAB-251	
DABSR00005306	804945		DAB-EUROINOX	\$57
DABSR00005393	702302		DAB-K40-100	\$53
DABSR00005496	804949		DAB-K12-200	\$31
			DAB-K20-41	
DABSR00005509	702358		DAB-100	\$50
			DAB-K30-100	
			DAB-K30-70	
			DAB-K36-100	
			DAB-61	
			DAB-81	
DABSR00005560	702393		DAB-K14-400	\$53
DABSR00005622	702424		DAB-K45-50	\$37
DABSR00005632	804950		DAB-K35-100	\$54
DABSR00005636	702430		DAB-K55-50	\$35
DABSR00004187/8832	702109		DAB-JET/JETCOM/JETINOX62	\$32
			DAB-JET/JETCOM/JETINOX82	
			DAB-JET/JETCOM/JETINOX102	
			DAB-JET/JETINOX112	
			DAB-JET/JETINOX132	
DABSR00005569	702399		DAB-K11-500	\$53
			DAB-K18-500	
			DAB-K28-500	
DABSR00004894	702141		DAB-K36-200	\$31
			DAB-K40-200	
			DAB-K55-200	
DABSR00005649	702436		DAB-K55-100	\$32
			DAB-K66-100	
			DAB-K90-100	
DABSR00005604	804944		DAB-K20-1200	\$53
DABSR00005581	702405		DAB-K30-800	\$53
			DAB-K40-400	
			DAB-K40-800	
			DAB-K50-400	
			DAB-K50-800	
DABSSP00002081	804951	O Ring Kit	DAB-ESYBOX	\$116
DABSSP00002239	804952		DAB-ESYBOXMINI	\$114



# Pump selection questionnaire



DOMESTIC & HOUSEHOLD

## 1. Requirement

- Household supply
- Garden sprinkler(s)
- Tank filling / Transfer / Troughs
- Irrigation

## 2. Water source

- Dam
- River
- Shallow well
- Tricklefeed
- Above ground tank
- In ground tank
- Town mains (if pump being used to boost pressure)

## 3. Power supply

- 240V Mains
- Generator
- Off grid / Solar

## 4. Application (See Diagram)

### SUCTION PIPE (FROM WATER SUPPLY TO PUMP)

#### A) Height from water to pump (vertical)

\_\_\_\_\_ metres (allow for drops in water level if below pump)

#### B) Pipe length (horizontal) \_\_\_\_\_ metres

Type of pipe \_\_\_\_\_

Diameter of pipe \_\_\_\_\_ mm

My water supply is above  or below  pump inlet

### DELIVERY PIPE (FROM THE PUMP TO THE APPLICATION)

#### C) Pipe length (horizontal) \_\_\_\_\_ metres

Type of pipe \_\_\_\_\_

Diameter of pipe \_\_\_\_\_ mm

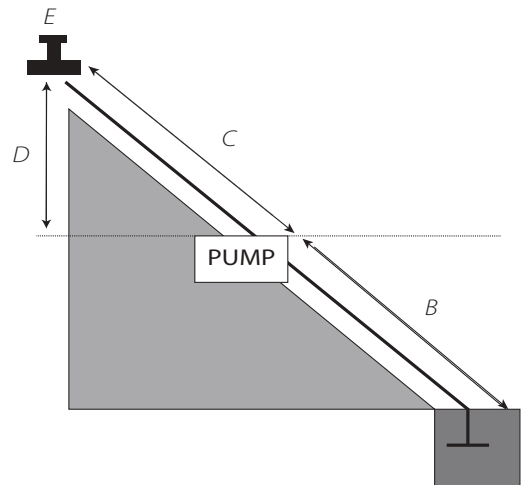
My application is 1  2  3  levels high

#### D) Height of pipe to discharge \_\_\_\_\_ metres

E) Demand pressure  Low  Normal  High

#### F) Use Batch / Cottage / Single dwelling

- Small house
- Medium House
- Large house
- Large house with some light irrigation





# WASTE WATER & DRAINAGE

WASTE WATER & DRAINAGE



From drainage pumps to vortex pumps, waste water to sewage pumps, we have the ideal products to suit your borehole, waste water and drainage needs.

Drainage Pumps are suitable for dewatering of cellars, garages, ditches, pits, ponds, swimming pools and drains. In addition, they can be used in septic applications, for aerated sewage treatment systems and grey water pump outs.

Our Vortex Pumps are ideal for pumping stormwater and waters with non-abrasive soft solids and stringy material in suspension. They are also suitable for grey water pump out and irrigation, sump emptying, septic transfer and pumping of light slurries.

Cutter Pumps are used to pump sewage and solid waste waters. They are ideal for sewage water pumping, sump emptying, septic effluent disposal, water transfer and factory waste.

Our Grinder Pumps are ideal for pumping sewage waste waters. They are suitable for grey and black water pumping, septic effluent and sewage disposal.

Are you looking for a pump for a car park, truck stop, vehicle workshop or garage? Any spaces where flammable liquids, vapours or gases could cause a fire or explosion is considered hazardous. Don't get caught out by uncertified pumps. Our Zenit Blue Series Range of Waste Water & Drainage pumps have been awarded the IECEx, the international certification covering the use of equipment and services in explosive conditions, so you can ensure the highest level of safety for your work space.




You'll be sure to find the right pump for your job in our borehole, waste water and drainage range.

For 3" & 4" Borehole products, see our Commercial Pump Price Book







PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION	
<b>SUBMERSIBLE CLEAN WATER 5" MULTISTAGE PUMP</b>					
<b>TESLA DIVER 5" SUBMERSIBLE MULTISTAGE PUMPS</b>					
Ideal for household pressure systems and irrigation in aerated treatment systems. <b>Features:</b> <ul style="list-style-type: none"> <li>• Stainless steel shaft for high corrosion resistance</li> <li>• Through body motor cooling</li> <li>• Specially designed algae resistant suction strainer</li> <li>• Silicon carbide mechanical seal</li> <li>• Argon filled motor</li> <li>• Detachable power cord</li> <li>• Separate control box</li> <li>• Manual reset overload</li> <li>• Algae resistant strainer</li> </ul> AS/NZS4020 Approved for Drinking Water 12 Month Warranty					
<b>TES-DIVER75MA</b>	<b>709862</b>	0.55kW, 0.7hp, 240V, Max Head 35m, Max Flow 80L/m Includes Control Box and float switch, Ports 1 1/4" BSPF Outlet	<b>\$1,400</b>	    	
<b>TES-DIVER100MA</b>	<b>709845</b>	0.75kW, 1.0hp, 240V, Max Head 50m, Max Flow 80L/m Includes Control Box and float switch, Ports 1 1/4" BSPF Outlet	<b>\$1,475</b>		
<b>TES-DIVER150MA</b>	<b>709851</b>	1.1kW, 1.5hp, 240V, Max Head 72m, Max Flow 80L/m Includes Control Box and float switch, Ports 1 1/4" BSPF Outlet	<b>\$1,695</b>		
<b>TES-DIVER150MHFA</b>	<b>709854</b>	1.1kW, 1.5hp, 240V, Max Head 40m, Max Flow L/m Includes Control Box and float switch, Ports 1 1/4" BSPF Outlet	<b>\$2,179</b>		
<b>TES-DIVER200M</b>	<b>709858</b>	1.5kW, 2.0hp, 240V, Max Head 96m, Max Flow 80L/m Includes Control Box, Ports 1 1/4" BSPF Outlet	<b>\$2,132</b>		
<b>TES-DIVER200MA</b>	<b>803159</b>	1.5kW, 2.0hp, 240V, Max Head 96m, Max Flow 80L/m Includes Control Box and float switch, Ports 1 1/4" BSPF Outlet	<b>\$2,179</b>		
<b>TES-DIVER200MHF</b>	<b>709859</b>	1.5kW, 2.0hp, 240V, Max Head 55m, Max Flow L/m	<b>\$2,283</b>		
<b>TES-DIVER200MHFA</b>	<b>803160</b>	1.5kW, 2.0hp, 240V, Max Head 55m, Max Flow L/m Includes Control Box and float switch, 1 1/4" BSPF Outlet	<b>\$2,387</b>		
<b>TESLER DIVER CABLE &amp; FLOAT</b>					
<b>TES-CABLE100MG</b>	<b>709834</b>	10m cable with float	<b>\$347</b>		
<b>TES-CABLE100MG20M</b>	<b>709835</b>	20m cable with float	<b>\$438</b>		

Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>BIANCO SUBMERSIBLE DRAINAGE &amp; HIGH HEAD PUMPS</b>				
<b>BIANCO SERIES 2 SUBMERSIBLE POLYMER DRAINAGE PUMPS</b>				
<p>Suitable for all dewatering tasks including pumping out sumps, flooded areas and drawing water from wells. Not suitable for construction sites, ponds, fountains or bio-treatment. 12 Month Bianco Pumpz Warranty</p>				
<b>BIA-JH400S2</b>	<b>803067</b>	0.4kW, 0.55hp, 240V, Plastic Construction, Max Head 7.5m, Max Flow 117L/m, Ports 1 1/2" BSPF Outlet	<b>\$210</b>	
<b>BIA_JH40011S2</b>	<b>803068</b>	Selectable Auto or Manual pump with INTERNAL rigid float switch. 0.4kW, 0.55hp, 240V, Plastic Construction, Max Head 7.5m, Max Flow 117L/m, Ports 1 1/2 BSPF Outlet Ideal for pits and confined spaces where floats do not work.	<b>\$205</b>	
<b>BIANCO HIGH HEAD SUBMERSIBLE CLEAN WATER PUMP</b>				
<p>Designed for AWTS and rainwater tanks. Ideal for dewatering of cellars and garages. Can pump clean or slightly dirty water.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Slotted strainer</li> <li>• Built in 83mm pump riser</li> </ul> <p><b>Benefits:</b></p> <ul style="list-style-type: none"> <li>• Improves water flow and stops the strainer blocking</li> <li>• Draws water at higher oxygen levels</li> <li>• Reduces anaerobic intake</li> </ul> <p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• Eliminates pump failures due to blocked strainers</li> <li>• Improves water quality by reducing the intake of algae and anaerobic matter which makes the water smell bad and discolour clothing</li> </ul> <p>2 Year Bianco Pumpz Warranty 5 Star Energy Rating</p>				
<b>BIA-B42AC</b>	<b>805140</b>	0.55kW, 0.75hp, 240V, Max Head 32m, Max Flow 105L/m, discharge Outlet Size 1" BSPF, solids up to 3mm Dual mechanical seals (carbon ceramic on pump side and silicon carbide/ceramic in oil bath on motor side)	<b>\$795</b>	



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>DAB TECHNOPOLYMER SUBMERSIBLE DRAINAGE PUMPS</b>				
<b>DAB SUBMERSIBLE DRAINAGE PUMPS - SIDE DISCHARGE, RIGID FLOAT</b>				
<p>DAB Drainage pumps are ideally suited for domestic situations for draining basements and garages requiring low lifts to an open discharge. Pumped liquid must be clean or slightly soiled without fibres. Pumps can accommodate small particles up to 10 mm (5mm for Nova 180 &amp; Nova ) 2 Year DAB Pump Warranty</p>				 <p>SV Version with 431SS Shaft</p> 
<b>DAB-NOVA180A</b>	<b>701750</b>	0.22kW, 0.3hp, 240V, AUTOMATIC, Max Head 4.8m, Max Flow 80L/m, rigid float arm, Ports 1 1/4" BSPF Outlet	<b>\$420</b>	
<b>DAB-NOVA200</b>	<b>701751</b>	0.22kW, 0.3hp, 240V, MANUAL, Max Head 6.6m, Max Flow L/m, no float arm, Ports 1-1/4" BSPF Outlet	<b>\$510</b>	
<b>DAB-NOVA300A</b>	<b>701752</b>	0.22kW, 0.3hp, 240V, AUTOMATIC, Max Head 6.8m, Max Flow 217L/m, rigid float arm, Ports 1 1/4" BSPF Outlet	<b>\$510</b>	
<b>DAB-NOVA600A</b>	<b>701753</b>	0.55kW, 0.75hp, 240V, AUTOMATIC, Max Head 10.2m, Max Flow 270L/m, rigid float arm, Ports 1 1/4" BSPF Outlet	<b>\$785</b>	
<b>DAB SUBMERSIBLE DRAINAGE PUMP – VERTICAL DISCHARGE, FLEXIBLE FLOAT</b>				
<b>DAB NOVA 300 UP MAE</b>	<b>804858</b>	0.22Kw, 0.3Hp, 240V, Automatic, Max Hd 6.9M, Max Flow 150L/Min, Flexible Float Arm, 1 ¼" BSPM Outlet.	<b>\$550</b>	 
<b>DAB SUBMERSIBLE DRAINAGE CELLAR/PUDDLE PUMP</b>				
<p>Specifically designed for use in narrow pits with dimensions down to 20cm x 20cm. Suitable to pump clear water containing Particles with maximum diameter 5mm. 2 Year DAB Pumps Warranty</p>				 
<b>DAB-VERTYNOVA400M</b>	<b>702737</b>	Automatic or Manual operation with internal rigid arm float switch 0.4kW, 0.55hp, 240V, AUTOMATIC, Max Head 9.0m, Max Flow 195L/m, internal float, Ports 1 1/4" BSPM Outlet	<b>\$565</b>	

WASTE WATER & DRAINAGE



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>ZENIT DRAINAGE PUMPS</b>				
<b>ZENIT DR STAINLESS STEEL DRAINAGE</b>				
Designed for stormwater dewatering, or water from ponds and pits and for rainwater collection. 2 Year Zenit Warranty				
<b>ZEN-DRSTEEL37MA</b>	<b>711352</b>	0.37kW, 0.5hp, 240V, Max Head 13.6m, Max Flow 150L/m, solids up to 10mm, 1 1/4" BSPF Outlet	<b>\$715</b>	  
<b>ZEN-DRSTEEL55MA</b>	<b>711354</b>	0.55kW, 0.75hp, 240V, Max Head 12.4m, Max Flow L/m, solids up to 12mm, 1 1/2" BSPF Outlet	<b>\$885</b>	
<b>ZEN-DRSTEEL75MA</b>	<b>711355</b>	0.75kW, 1.0hp, 240V, Max Head 16m, Max Flow 330L/m, solids up to 12mm, 1 1/2" BSPF Outlet	<b>\$915</b>	

**GREATER  
RELIABILITY**

WASTE WATER  
& DRAINAGE



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>ZENIT DRAINAGE PUMPS</b>				
<b>ZENIT SUBMERSIBLE DR BLUE PROFESSIONAL - DRAINAGE PUMPS</b>				
<p>Suitable for use with clear or slightly soiled wastewaters containing small solids, strained water, rainwater, seepage and water pumped from underground, where high pumping rates are required. This electric pump is intended for both domestic and professional use. 2 Year Zenit Warranty</p>				  
ZEN-DRBLUEP50/2G32VMG	600611	0.37kW, 0.5hp, 240V with float switch, Max Head 9.5m, Max Flow 240L/m	\$770	
ZEN-DRBLUEP75/2/32VMG	711302	0.55kW, 0.75hp, 240V with float switch, Max Head 12m, Max Flow L/m	\$830	
ZEN-DRBLUEP100/2/32VMG	711293	0.75kW, 1.0hp, 240V with float switch, Max Head 14m, Max Flow 330L/m	\$1,045	
ZEN-DRBLUEP150/2/50VMG	711295	1.1kW, 1.5hp, 240V with float switch, Max Head 14.4m, Max Flow L/m	\$1265	
ZEN-DRBLUEP150/2/50VMGEX	711709	1.1kW, 1.5hp, 240V with IECEX float switch, Max Head 14.4m, Max Flow L/m	\$1,430	
ZEN-DRBLUEP200/2/50VMG	711299	1.5kW, 2.0hp, 240V with float switch, Max Head 17m, Max Flow 690L/m Ports 2" BSPF Outlet. Particle Size 10x30mm.	\$1,520	
ZEN-DRBLUEP200/2/50VMGEX	711710	1.5kW, 2.0hp, 240V with IECEX float switch, Max Head 17m, Max Flow 690L/m, Ports 2" BSPF Outlet. Particle Size 10x30mm.	\$1,665	
ZEN-DRBLUEP150/2/50VMEX	711294	1.1kW, 1.5hp, 240V without float switch, Max Head 14.4m, Max Flow L/m	\$1355	
ZEN-DRBLUEP200/2/50VMEX	711298	1.5kW, 2.0hp, 240V without float switch, Max Head 17m, Max Flow 690L/m, Ports 2" BSPF Outlet. Particle Size 10x30mm.	\$1,595	
ZEN-DRBLUEP150/2/50VTEX	711297	1.1kW, 1.5hp, 415V without float switch, Max Head 14.4m, Max Flow L/m, Ports 2" BSPF Outlet. Particle Size 10x30mm.	\$1,335	
ZEN-DRBLUEP200/2/50VTEX	711301	1.5kW, 2.0hp, 415V without float switch, Max Head 17m, Max Flow 690L/m, Ports 2" BSPF Outlet. Particle Size 10x30mm.	\$1,575	
3 phase pumps require contactor and overload.				

## Selection Guide...

- VMEX Models are IECEX Single Phase without float switch
- VMGEX Models are IECEX Single Phase with float switch
- VTEX Models are IECEX Three Phase without float switch





PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>ZENIT HIGH HEAD PUMPS</b>				
<b>ZENIT SUBMERSIBLE AP BLUE PROFESSIONAL - HIGH HEAD DRAINAGE PUMPS</b>				
Used for clear wastewater, rainwater and seepage containing small amounts of sand. Its high manometric head makes this series suitable for the creation of water features and decorative fountains. The electric pump is intended for both domestic and professional use. 2 Year Zenit Warranty.				
ZEN-APBLUEP100/2/G40HMGEX	711697	0.75kW, 1.0hp, 240V with IECEX float switch, Max Head 17.3m, Max Flow 360L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$1,775
ZEN-APBLUEP150/2/G40HMGEX	711698	1.1kW, 1.5hp, 240V with IECEX float switch, Max Head 20.9m, Max Flow 360L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$2,075
ZEN-APBLUEP200/2/G40HMGEX	711699	1.5kW, 2.0hp, 240V with IECEX float switch, Max Head 26.6m, Max Flow 420L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$1,425
ZEN-APBLUEP100/2/G40HMEEX	711093	0.75kW, 1.0hp, 240V without float switch, Max Head 17.3m, Max Flow 360L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$1,695
ZEN-APBLUEP150/2/G40HMEEX	711097	1.1kW, 1.5hp, 240V without float switch, Max Head 20.9m, Max Flow 360L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$1,980
ZEN-APBLUEP200/2/G40HMEEX	711101	1.5kW, 2.0hp, 240V without float switch, Max Head 26.6m, Max Flow 420L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$2,335
ZEN-APBLUEP100/2/G40HTEX	711096	0.75kW, 1.0hp, 415V without float switch, Max Head 17.3m, Max Flow 360L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$1,620
ZEN-APBLUEP150/2/G40HTEX	711100	1.1kW, 1.5hp, 415V without float switch, Max Head 20.9m, Max Flow 360L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$1,895
ZEN-APBLUEP200/2/G40HTEX	711104	1.5kW, 2.0hp, 415V without float switch, Max Head 26.6m, Max Flow 420L/m, 1 1/2" BSPF Outlet. Particle Size 6mm.		\$2,240
3 phase pumps require contactor and overload.				



WASTE WATER & DRAINAGE











## Selection Guide...

- VMEX Models are IECEX Single Phase without float switch
- VMGEX Models are IECEX Single Phase with float switch
- VTEX Models are IECEX Three Phase without float switch

Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SUBMERSIBLE VORTEX PUMPS</b>				
<b>BIANCO SERIES 2 POLYMER VORTEX PUMP</b>				
Designed to pump water with some organic content. Capable of pumping non-abrasive solids in suspension up to 35mm Particle Size. 12 Month Bianco Pumpz Warranty				
<b>BIA-JH550BS2</b>	<b>803070</b>	0.55kW, 0.75hp, Plastic Construction, Vortex, Max Head 7m, Max Flow 158L/m, Ports 1 1/2" BSPF Outlet, 10m power cable	<b>\$195</b>	 
<b>BIANCO S/STEEL VORTEX PUMP - WATER TRANSFER &amp; CALF MILK</b>				
Designed to pump water with some organic content. Capable of pumping non-abrasive solids in suspensions up to 35mm Particle Size. 12 Month Bianco Pumpz Warranty				
<b>BIA-Q550B</b>	<b>700835</b>	0.55kW, 0.75hp, 240V, Stainless Steel Construction, Max Head 7m, Max Flow 160L/m, 1 1/2" BSPF Outlet	<b>\$250</b>	 
<b>DAB TECHNOPOLYMER VORTEX PUMPS</b>				
Submersible pump for drainage and emptying duty. 2 Year DAB Pumps Warranty				
<b>DAB-FEKA600A</b>	<b>701556</b>	0.55kW, 0.75hp, 240V, AUTOMATIC, Max Head 7.45m, Max Flow 265L/m, rigid float arm, 1 1/4" BSPF Outlet, Particle Size 25mm	<b>\$775</b>	 <p>SV Version with 431 SS Shaft</p> 
<b>DAB-BVP750MA</b>	<b>800102</b>	0.75kW, 1.0hp, 240V, AUTOMATIC, Max Head 11.4m, Max Flow L/m, float, 1-1/2" BSPF Outlet, Particle Size 38mm.	<b>\$1,070</b>	 



Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>DAB SUBMERSIBLE VORTEX PUMPS</b>				
<b>DAB HEAVY DUTY STAINLESS STEEL VORTEX PUMPS</b>				
2 Year DAB Pumps Warranty				
<b>DAB-FEKA550MA</b>	<b>701559</b>	0.55kW, 0.75hp, 240V, max hd 7.4m, max flow 330L/m, 2" BSPF outlet. Particle size 50mm.	<b>\$1,190</b>	
<b>DAB-FEKA750MA</b>	<b>701560</b>	0.75kW, 1.0hp, 240V, max hd 9.6m, max flow L/m, 2" BSPF outlet. Particle size 50mm.	<b>\$1,250</b>	
<b>DAB-FEKA1000MA</b>	<b>701557</b>	1.0kW, 1.36hp, 240V, max hd 11.8m, max flow 450L/m, 2" BSPF outlet. Particle size 50mm.	<b>\$1,390</b>	
<b>DAB-FEKA1200MA</b>	<b>701558</b>	1.2kW, 1.6hp, 240V, max hd 14.0m, max flow 533L/m, 2" BSPF outlet. Particle size 50mm.	<b>\$1,485</b>	

WASTE WATER & DRAINAGE







PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>SUBMERSIBLE VORTEX PUMPS</b>				
<b>ZENIT DG STAINLESS STEEL VORTEX PUMPS</b>				
Designed for storm water, sewerage plants, livestock farms, car washes, hydro-sanitary applications. 2 Year Zenit Warranty				
<b>ZEN-DGSTEEL37MA</b>	<b>711230</b>	0.37kW, 0.5hp, 240V, automatic, Max Head 8.7m, Max Flow 180L/m, solids up to 25mm, 1 1/4" BSPF Outlet	<b>\$770</b>	  
<b>ZEN-DGSTEEL55MA</b>	<b>711231</b>	0.55kW, 0.75hp, 240V, automatic, Max Head 8.1m, Max Flow 330L/m, solids up to 38mm, 1 1/2" BSPF Outlet	<b>\$955</b>	
<b>ZEN-DGSTEEL75MA</b>	<b>711232</b>	0.75kW, 1.0hp, 240V, automatic, Max Head 10m, Max Flow 360L/m, solids up to 38mm, 1 1/2" BSPF Outlet	<b>\$1,040</b>	
<b>BIANCO SERIES 2 CAST IRON VORTEX PUMPS</b>				
Ideal for dewatering of cellars and garages and can pump clean or slightly dirty water. Can handle Particles up to 10mm. 2 Year Bianco Pumpz Warranty				
<b>BIA-B25VAS2</b>	<b>802767</b>	0.25kW, 0.33hp, 240V, Max Head 7.5m, Max Flow 150L/m, discharge Outlet Size 1 1/2" BSPF, soft solids up to 15mm.	<b>\$435</b>	 BIA-B25VAS2  
<b>BIA-B45VAS2</b>	<b>802768</b>	0.45kW, 0.6hp, 240V, Max Head 8.5m, Max Flow 200L/m, discharge Outlet Size 2" BSPF, soft solids up to 25mm.	<b>\$485</b>	
<b>BIA-B75VAS2</b>	<b>802769</b>	0.75kW, 1.0hp, 240V, Max Head 12m, Max Flow 300L/m, discharge Outlet Size 2" BSPF, soft solids up to 25mm	<b>\$595</b>	
				 BIA-B75VAS2  



WASTE WATER & DRAINAGE

PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>ZENIT CAST IRON SUBMERSIBLE VORTEX PUMPS</b>				
<b>ZENIT SUBMERSIBLE DG BLUE PROFESSIONAL - VORTEX PUMPS</b>				
Suitable for heavy-duty applications with soiled biological wastewaters, sewage, rainwater and seepage. This electric pump is intended for both domestic and professional use. 2 Year Zenit Warranty				
ZEN-DGBLUEP50/2/40VMG	600571	0.3kW, 0.4hp, 240V, with float switch, Max Head 6m, Max Flow 270L/m, 1½" BSPF Outlet, Particle Size 40mm	\$890	    
ZEN-DGBLUEP75/2/40VMG	600573	0.55kW, 0.75hp, 240V, with float switch, Max Head 10m, Max Flow 420L/m, 1½" BSPF Outlet, Particle Size 40mm	\$935	
ZEN-DGBLUEP100/2/40VMG	600567	0.75kW, 1.0hp, 240V with float switch, Max Head 11.5m, Max Flow 430L/m, 1½" BSPF Outlet, Particle Size 40mm	\$1,175	
ZEN-DGBLUEP150/2/G50VMG	711183	1.1kW, 1.5hp, 240V with float switch, Max Head 12.3m, Max Flow L/m, Ports 2" BSPF Outlet, Particle Size 50mm	\$1,375	
ZEN-DGBLUEP150/2G50VMGEX	711704	1.1kW, 1.5hp, 240V with IECEX float switch, Max Head 12.3m, Max Flow L/m, Ports 2" BSPF Outlet. Particle Size 50mm.	\$1,525	
ZEN-DGBLUEP200/2/G50VMG	711187	1.5kW, 2.0hp, 240V with float switch, Max Head 15.3m, Max Flow 690L/m, Ports 2" BSPF Outlet, Particle Size 50mm	\$1,600	
ZEN-DGBLUEP200/2/G50VMGEX	711705	1.5kW, 2.0hp, 240V with IECEX float switch, Max Head 15.3m, Max Flow 690L/m, Ports 2" BSPF Outlet. Particle Size 50mm.	\$1,755	
ZEN-DGBLUEP150/2/G50VMEX	711182	1.1kW, 1.5hp, 240V without float switch, Max Head 12.3m, Max Flow L/m, Ports 2" BSPF Outlet. Particle Size 50mm.	\$1,455	
ZEN-DGBLUEP200/2/G50VMEX	711186	1.5kW, 2.0hp, 240V without float switch, Max Head 15.3m, Max Flow 690L/m, Ports 2" BSPF Outlet, Particle Size 50mm	\$1,684	
ZEN-DGBLUEP100/2/G40VTEX	711181	0.75kW, 1.0hp, 415V without float switch, Max Head 11.5m, Max Flow 430L/m, 1½" BSPF Outlet, Particle Size 40mm	\$1,135	
ZEN-DGBLUEP100/2/40VTG	600568	0.75kW, 1.0hp, 415V with float switch Max Head 11.5m, Max Flow 430L/m, 1½" BSPF Outlet, Particle Size 40mm	\$1,275	
ZEN-DGBLUEP150/2/G50VTEX	711185	1.1kW, 1.5hp, 415V without float switch, Max Head 12.3m, Max Flow L/m, Ports 2" BSPF Outlet. Particle Size 50mm.	\$1,335	
ZEN-DGBLUEP150/2/G50VTG	600569	1.1kW, 1.5hp, 415V with float switch, Max Head 12.3m, Max Flow L/m, Ports 2" BSPF Outlet. Particle Size 50mm.	\$1,495	
ZEN-DGBLUEP200/2/G50VTEX	711189	1.5kW, 2.0hp, 415V without float switch, Max Head 15.3m, Max Flow 690L/m, Ports 2" BSPF Outlet, Particle Size 50mm.	\$1,575	
ZEN-DGBLUEP200/2/50VTG	600570	1.5kW, 2.0hp, 415V with float switch, Max Head 15.3m, Max Flow 690L/m, Ports 2" BSPF Outlet, Particle Size 50mm	\$1,730	
3 phase pumps require contactor and overload.				

## Selection Guide...

- VMEX Models are IECEX Single Phase without float switch
- VMGEX Models are IECEX Single Phase with float switch
- VTEX Models are IECEX Three Phase without float switch



Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>BIANCO SERIES 2 SUBMERSIBLE SEWERAGE PUMPS</b>				
<b>BIANCO SERIES 2 CUTTER / GRINDER PUMP</b>				
<b>BIA-B120GS2</b>	<b>802770</b>	Used to pump sewage and solid wastewaters. Soft solids in suspension by grinding them into a slurry. With float switch. 1.5kW, 2.2hp, 240V, Max Head 20m, Max Flow 341L/m, BSPF Outlet Size 2" 2 Year Bianco Pumpz Warranty	<b>\$995</b>	 
<b>BIA-B120GMS2</b>	<b>803150</b>	Used to pump sewage and solid wastewaters. Soft solids in suspension by grinding them into a slurry. Without float switch. 1.5kW, 2.2hp, 240V, Max Head 20m, Max Flow 341L/m, BSPF Outlet Size 2" 2 Year Bianco Pumpz Warranty	<b>\$945</b>	
<b>BIANCO POSITIVE DISPLACEMENT GRINDER PUMP HIGH PRESSURE</b>				
The pump is a positive displacement grinder pump with a heavy duty cutter and cutter ring used to treat unstrained waste waters in "low" flow, high head applications. 2 Year Bianco Pumpz Warranty				
<b>BIA-PDG150MA</b>	<b>800252</b>	1.1kW, 1.5hp, 240V, with float switch, Max Head 90m, Max Flow 50L/m, 1 1/4" BSPF Outlet	<b>\$3,595</b>	 
<b>BIA-PDG150M</b>	<b>800587</b>	1.1kW, 1.5hp, 240V, without float switch, Max Head 90m, Max Flow 50L/m, 1 1/4" BSPF Outlet	<b>\$3,125</b>	
<b>BIA-PDG150T</b>	<b>800589</b>	1.1kW, 1.5hp, 415V, without float switch, Max Head 90m, Max Flow 50 L/m, 1 1/4" BSPF Outlet	<b>\$3,070</b>	
<b>BIA-PDG150_CF2</b>	<b>801985</b>	Discharge pedestal	<b>\$995</b>	

WASTE WATER & DRAINAGE



## Positive Displacement Grinder Pumps...

- Cast iron pump body for durability under harsh conditions
- Available in single phase and three phase, with and without a float
- Heavy duty silicon carbide mechanical seal
- Cutter with cutter rings cuts solids to smallest possible Size to reduce clogging
- Used for unstrained waste waters
- Perfect for low pressure sewer applications
- Also available in Packaged Pump Stations - 900L, 1200L and 3000L Sizes. Suitable for new house dwellings and low lying, hilly, sand or rocky areas. Price available on inquiry.

Prices in Blue, stock comes from Sydney or supplier





PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION	
<b>ZENIT HIGH HEAD GRINDER PUMPS</b>					
<b>ZENIT CAST IRON SUBMERSIBLE GR BLUE PROFESSIONAL - GRINDER HIGH HEAD PUMPS</b>					
Recommended for unstrained civil wastewaters, including those containing filaments or fibres. This electric pump is intended for both domestic and professional use. 2 Year Zenit Warranty					
<b>ZEN-GRBLUEP100/2/G40HMG</b>	<b>711421</b>	0.75kW, 1.0hp, 240V with float switch, Max Head 17m, Max Flow 240L/m, 1 1/2" BSPF Outlet	<b>\$1,865</b>	  	
<b>ZEN-GRBLUEP100/2/G40HMGEX</b>	<b>711713</b>	0.75kW, 1.0hp, 240V with IECEX float switch, Max Head 17m, Max Flow 240L/m, 1 1/2" BSPF Outlet	<b>\$2,430</b>		
<b>ZEN-GRBLUEP150/2/G40HMG</b>	<b>711425</b>	1.1kW, 1.5hp, 240V with float switch, Max Head 21.1m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$2,310</b>		
<b>ZEN-GRBLUEP150/2/G40HMGEX</b>	<b>711714</b>	1.1kW, 1.5hp, 240V with IECEX float switch, Max Head 21.1m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$2,810</b>		
<b>ZEN-GRBLUEP200/2/G40HMG</b>	<b>711429</b>	1.5kW, 2.0hp, 240V with float switch, Max Head 27m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$3,182</b>		
<b>ZEN-GRBLUEP200/2/G40HMGEX</b>	<b>711715</b>	1.5kW, 2.0hp, 240V with IECEX float switch, Max Head 27m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$3,875</b>		
<b>ZEN-GRBLUEP100/2/G40HMEX</b>	<b>711420</b>	0.75kW, 1.0hp, 240V without float switch, Max Head 17m, Max Flow 240L/m, 1 1/2" BSPF Outlet	<b>\$2,345</b>		
<b>ZEN-GRBLUEP150/2/G40HMEX</b>	<b>711424</b>	1.1kW, 1.5hp, 240V without float switch, Max Head 21.1m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$2,715</b>		
<b>ZEN-GRBLUEP200/2/G40HMEX</b>	<b>711428</b>	1.5kW, 2.0hp, 240V without float switch, Max Head 27m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$3,7800</b>		
<b>ZEN-GRBLUEP100/2/G40HTEX</b>	<b>711423</b>	0.75kW, 1.0hp, 415V without float switch, Max Head 17m, Max Flow 240L/m, 1 1/2" BSPF Outlet	<b>\$2,260</b>		
<b>ZEN-GRBLUEP150/2/G40HTEX</b>	<b>711427</b>	1.1kW, 1.5hp, 415V without float switch, Max Head 21.1m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$2,615</b>		
<b>ZEN-GRBLUEP200/2/G40HTEX</b>	<b>711431</b>	1.5kW, 2.0hp, 415V without float switch, Max Head 27m, Max Flow L/m, 1 1/2" BSPF Outlet	<b>\$3,045</b>		
3 phase pumps require contactor and overload.					

WASTE WATER & DRAINAGE





PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>BIANCO LIGHT CONSTRUCTION PUMPS</b>				
<b>BIANCO SERIES 2 CAST IRON &amp; POLYMER PUMP</b>				
Designed for dewatering of construction sites and pits. General dewatering where there is abrasive material. Suitable for construction sites, storm water and basements. Can handle Particles up to 25mm x 10mm. Cast iron pump body and corrosion resistant pump components. 12 Month Bianco Pumpz Warranty				
<b>BIA-AHS05A</b>	<b>700282</b>	0.4kW, 0.55hp, 240V, Max Head 12m, Max Flow 220L/m, 2" BSPF Outlet	<b>\$550</b>	 
<b>BIA-AHS10A</b>	<b>700301</b>	0.75kW, 1.0hp, 240V, Max Head 18m, Max Flow 350L/m, 2" BSPF Outlet	<b>\$750</b>	
<b>BIA-AHS05A-18</b>	<b>805706</b>	Cable 10m H07 (For Series 2.0 Pump - Post 2017)	<b>\$165</b>	
<b>BIA-AHS05A-17</b>	<b>805705</b>	Float Switch (For Series 2.0 Pump - Post 2017)	<b>\$88</b>	
<b>BIA-LAYFLATKIT</b>	<b>700755</b>	Lay Flat 20m 2" Hose	<b>\$215</b>	



### Bianco Light Construction Pumps...

- Corrosion resistant pump components
- Can handle Particles to 25mm x 10mm
- Fully automatic operation
- Cast iron pump body
- Dual mechanical seal in oil bath, SIC/SIC Carbon Ceramic
- Euretane coated semi vortex impeller allows pumping of suspended solids, sandy and stringy material
- Agitator on the end of the pump shaft helps prevent air locking and clogging
- Versatile Outlet connection
- 240V single phase motor with in-built auto reset thermal overload
- 10m of power cable
- 12 Month Bianco Pumpz Warranty
- Suitable for construction sites, storm water and basements





PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>WASTE WATER AERATION ACCESSORIES</b>				
<b>DAB SUBMERSIBLE AERATION PUMP</b>				
<p>Specifically designed aerators for oxygenation, household sewage systems, biological treatment as well as ventilation, natural and artificial reservoirs, ponds in fish farms and for mixing of different fluids without solids.  <b>OEM application only, not for resale.</b>                      2 Year DAB Pumps Warranty</p>				 
<b>DAB-NOVAIR200M</b>	<b>701755</b>	0.18kW, 0.24hp, 240V, 10m lead, max air delivery 8m <sup>3</sup> /hr, depths 20-80cm, 1" BSPM Outlet	<b>\$525</b>	
<b>ZENIT OXYPLATES</b>				
<p>For application in waste water treatment processes in reactors with continuous or intermittent aeration, especially recommended for high efficiency permanent installations.</p>				
<b>ZEN-OXYPLATE9</b>	<b>711475</b>	270MM diameter, air flow rate 33-L/m, head loss 2-4kPa.	<b>\$150</b>	 
<b>ZEN-OXYPLATE12</b>	<b>800360</b>	340mm diameter, air flow rate 33-167L/m, head loss 2-3kPa.	<b>\$250</b>	
<b>SADDLE FOR OXYPLATE</b>	<b>711023</b>	Pipe saddle for oxyplate.	<b>\$5</b>	
<b>AWTS DIAPHRAGM AIR BLOWER</b>				
<b>ZEN-XP80</b>	<b>800230</b>	Small and light Low power consumption Low noise level Dust control filter 58W, 240V, air flow rate 80L/m, rated pressure 14.7kPa, noise level 36dBA. 18mm outlet	<b>895</b>	 

# NOVABOX LIFTING STATION

## Small lifting station for automatic collecting and pumping of grey water

Automatic stations for collecting and lifting wastewater from bath tubs, wash basins, showers and washing machines located in basements or below the level of the network.

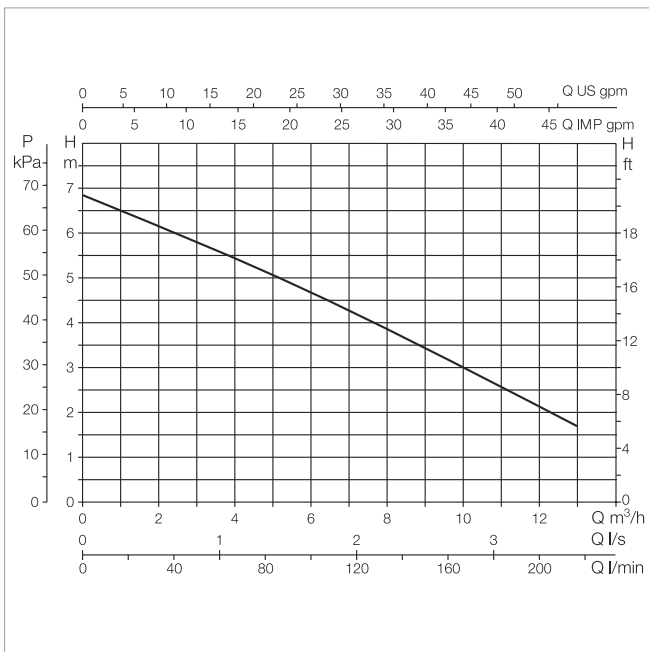
### Features

- 30 litre technopolymer container
- Fitted with 240 volt automatic DAB-NOVAA drainage pump
- 5 meter power lead (H05RNF)
- Discharge check valve
- Flow rates from 16 l/min to 215 l/min
- Heads up to 6.8 meters
- Suitable for water temperature up to 50° C in normal operation and up to 90°C for 3 minutes
- 2 Year DAB Pump Parts and Labour Warranty



WASTE WATER & DRAINAGE

Part Number	Item Code	Litres	Max Head (m)	Max Flow (lpm)	Delivery Pipe	List
DAB-NOVABOX30-300M	701754	30	6.8	215	1¼"	\$1,395



# GENIX

## Macerator Pump

GENIX is the new DAB macerator, designed to provide the maximum level of efficiency in the 3 main moments of its lifecycle

- Quick and Easy Installation
- Comfort in Use with Low Noise
- Clean and Simplified Maintenance

GENIX is indispensable when the wastewater coming from toilets, showers, dishwashers or sinks cannot be expelled by gravity. DAB lifting stations can be installed wherever there is the need to add a toilet or expel greywater during new installations, renovations or new constructions.

GENIX is supplied with everything you need for a quick and easy installation. Fittings with integrated non return valves, hose clamps, hose adaptors, ground fixing screws and anti vibration rubber nubs.

### KEY FEATURES

- Quick and easy installation
- Silent high performance motor
- Newly designed macerator robust, long lasting
- Anti odour system
- Simplified access to unblock the grinding blades
- White glove maintenance, with easy access and convenient internal component separation
- Can be installed almost anywhere



Part Number	Item Code	kW	HP	Volts	In A	Max Head (m)	Max Flow (lpm)	Additional Inlets	List
DAB-GENIXCOMFORT130	806101	0.32	0.44	240	2.3	6	115	2 (side) + 1 (up)	\$1,650



**EVERYTHING  
YOU NEED  
IS INCLUDED!**

GENIX is provided with everything you need for a quick and easy installation. Fittings integrated non-return valves, hose clamps, hose adaptors, ground-fixing screws, anti-vibration rubber nubs, and an illustrated quick guide.





# GENIX

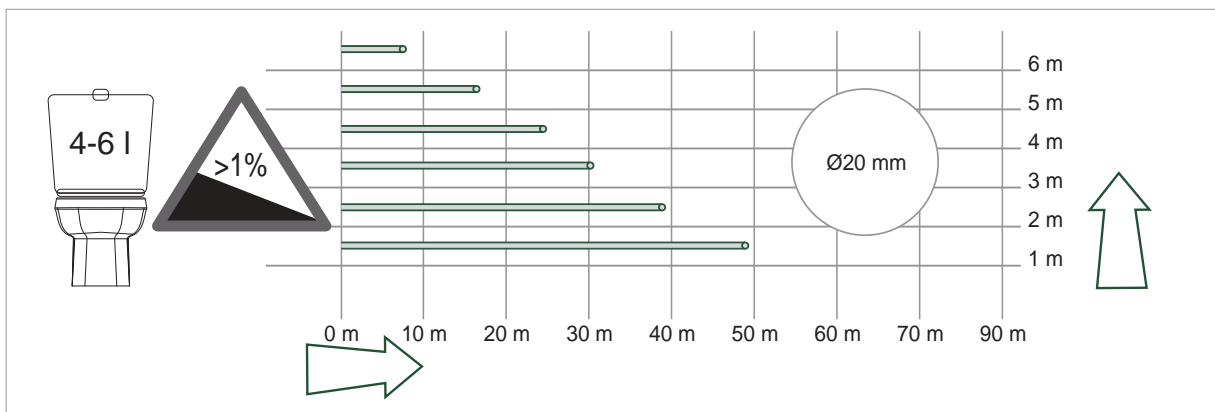
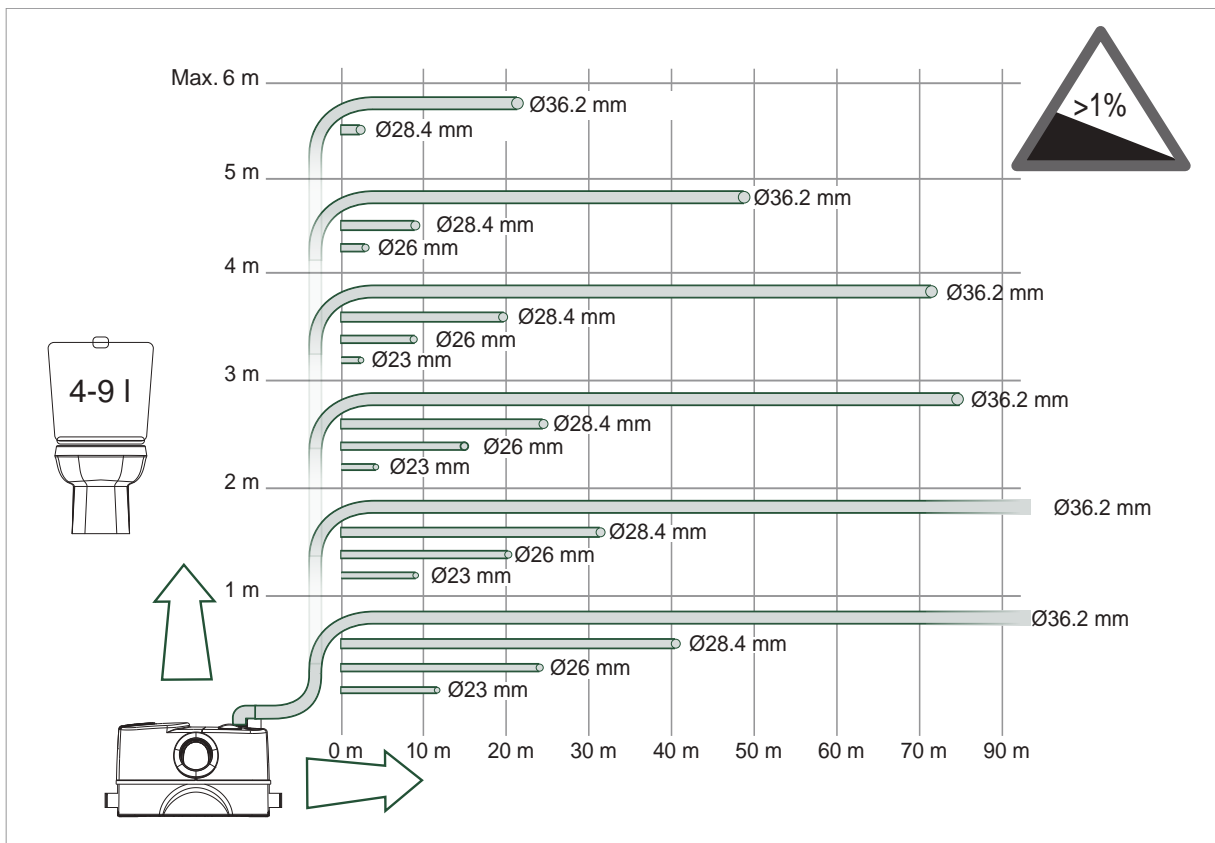
## Key features



<b>SIMPLIFIED ACCESS TO UNBLOCK THE GRINDING BLADES</b>	<b>EASY ACCESS TO: CAPACITOR, ELECTRONIC BOARD AND PRESSURE SWITCH</b>	<b>DRAINING TAP</b> *draining pipe included	<b>PERFORMANT AND SILENT MOTOR</b>	<b>NEWLY DESIGNED MACERATOR, ROBUST, LONG LASTING AND RELIABLE</b>	<b>ANTI-ODOURS SYSTEM</b>

WASTE WATER & DRAINAGE

## GENIX CURVES AND FLOWS Page 66



# LIFTING STATIONS

## Blue Box Series

Suitable for collecting and lifting clear, rain and wastewater from washing machines, sinks and WC's in systems installed at a lower level than the sewer, in locations such as garages or basements.

Can be stored below ground in a pit. Able to handle liquids such as raw sewage, trade waste, effluent and storm water



Part Number	Item Code	Litres	Delivery Pipe	Suits	Size (mm)	List
ZEN-BLUEBOX60	802445	60	1½"	DG Blue, DG Blue Pro & GR Blue	480L x 370W x 470H	\$540
ZEN-BLUEBOX90	711120	90			480L x 370W x 610H	\$580
ZEN-BLUEBOX150	711118	150			580L x 480W x 660H	\$725

Part Number	Item Code	Litres	Delivery Pipe	Size (mm)	List
ZEN-BLUEBOX250DG	711121	250	1½" galvanised pipework and gaskets. Installation accessories.	900L x 500W x 660H	\$935

Part Number	Item Code	Description	Litres	Delivery Pipe	List
ZEN-BLUEBOX250GR	711126	Automatic Collecting Station for Domestic and Industrial Sewage. Coupling foot with 2" vertical outlet and built in air bleed. 2" ball type non return valve	250	2" galvanised outlet pipework and gaskets. Installation accessories.	\$1,445

Part Number	Item Code	Description	Litres	Delivery Pipe	List
ZEN-BLUEBOX400GR	711119	Automatic Collecting Station for Domestic and Industrial Sewage. Coupling foot with 2" vertical outlet and built in air bleed. 2" ball type non return valve.		2" galvanised outlet pipework and gaskets. Installation accessories.	\$2,655

Prices in Blue, stock comes from Sydney or supplier

# LIFTING STATION PACKAGES



Blue Box fitted with GR Blue Pro Pump



Blue Box fitted with DG Blue Pro Pump

WASTE WATER & DRAINAGE

## Blue Box fitted with GR Blue Pro Pump

Part Number	Item Code	Description	Outlet	List
ZEN-BLUEBOX250DGBLUE50M	711124	ZEN-BLUEBOX250DG with ZEN-DGBLUE50/2/G40VMG fitted	1½"	\$1,825
ZEN-BLUEBOX250DGBLUE75M	711125	ZEN-BLUEBOX250DG with ZEN-DGBLUE75/2/G40VMG fitted		\$1,870
ZEN-BLUEBOX250DGBLUE100M	711122	ZEN-BLUEBOX250DG with ZEN-DGBLUE/2/G40VMG fitted		\$2,110

## Blue Box fitted with DG Blue Pro Pump

Part Number	Item Code	Description	Outlet	List
ZEN-BLUEBOX250GRBLUE100M	711127	ZEN-BLUEBOX250GR with ZEN-GRBLUEP/2/G40HMG fitted	2"	\$3,310
ZEN-BLUEBOX250GRBLUE150M	711128	ZEN-BLUEBOX250GR with ZEN-GRBLUEP150/2/G40HMG fitted		\$3,755
ZEN-BLUEBOX250GRBLUE200M	711129	ZEN-BLUEBOX250GR with ZEN-GRBLUEP/2/G40HMG fitted		\$4,627

## Recommended Pumps for ZENIT blueBOX LIFTING SYSTEMS

Additional configurations with other submersible pumps are possible - Check pump height and float movement

ZENIT Blue Boxes are not certified for burial or direct ground contact - see installation instructions




ZENIT VORTEX PUMPS	P2 (kW)	A (1Ø)	A (3Ø)	Dia	Free Passage	Suitable for blueBOX				
						60L	90L	150L	250L	400L
DG bluePRO 50/2/G40V	0.37kW	2.8A	1.15A	G 1 1/2"	40mm	•	•	•		
DG bluePRO 75/2/G40V	0.55kW	4.1A	1.60A	G 1 1/2"	40mm	•	•	•		
DG bluePRO 100/2/G40V	0.75kW	5.6A	2.15A	G 1 1/2"	40mm	•	•	•	•	•
DG bluePRO 150/2/G50V	1.1kW	7.5A	3.20A	G 2"	50mm				•	•
DG bluePRO 200/2/G50V	1.5kW	10.0A	4.30A	G 2"	50mm				•	•
<b>ZENIT GRINDER PUMPS</b>										
GR bluePRO 100 /2/G40H	0.75kW	5.5A	2.70A	G 1 1/2"	N/A	•	•	•	•	•
GR bluePRO 150/2/G40H	1.1kW	7.5A	3.20A	G 1 1/2"	N/A				•	•
GR bluePRO 200/2/G40H	1.5kW	10.0A	4.30A	G 1 1/2"	N/A				•	•
<b>BIANCO VORTEX PUMPS</b>										
B25VAS2	0.25kW	1.8A	-	G 1 1/4"	15mm		•	•	•	•
B45VAS2	0.45kW	3.7A	-	G 2"	25mm		•	•	•	•
B75VAS2	0.75kW	4.5A	-	G 2"	25mm				•	•
<b>BIANCO CUTTER PUMP</b>										
B120GS2	1.5kW	9.5A		G 2"	N/A				•	•
<b>DAB VORTEX &amp; DRAINAGE PUMPS</b>										
FEKA 600 (V)	0.55kW	4.3A	-	G 1 1/4"	25mm		•	•	•	•
BVP 750 (V)	0.75kW	5.6A	-	G 1 1/2"	38mm		•	•	•	•
NOVA 300 (D)	0.22kW	1.6A	-	G 1 1/4"	10mm	•	•	•	•	•
NOVA 600 (D)	0.55kW	3.4A	-	G 1 1/4"	10mm		•	•	•	•

Prices in Blue, stock comes from Sydney or supplier



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>BIANCO ICON PUMP CONTROLLERS</b>				
<p>The iCON range of intelligent controllers are suitable for installation in various industrial and domestic applications. Controllers are generally used in pumping applications where control of single or multiple pumps are required. Settings for drainage, pressure boosting and transfer applications are easily accomplished by function switches. The iCON intelligent controller is user friendly with many features for controlling your pumps, protecting your pumps and also reporting of faults with live data and historical data retention. Control of your pumps is also possible from a slave controller which is included with each iCON intelligent controller as standard. The iCON controller is supplied standard with RS485 communication interface for easy integration into your Building Management System. The iCON controller enclosure has an ingress protection rating IP54 with an intelligent dynamic LCD display for pump running information and is suitable for installation both indoors and outdoors. Automatic calibration of the iCON intelligent controller is easily completed to set your pump thermal overload by means of push buttons. Optional enclosure with an external door is available as required or requested.</p> <p>2 Year Warranty</p>				
<b>SINGLE PUMP CONTROLLERS</b>				
<b>BIA-SPC1-22</b>	<b>802687</b>	Single Pump Control Panel 240V 2.2kW	<b>\$795</b>	
<b>BIA-SPC1-22S</b>	<b>803810</b>	Single pump Control Panel 240V 2.2kW with 0-2m transducer for drainage and sewage applications.	<b>\$940</b>	
<b>BIA-SPC3-40</b>	<b>802688</b>	Single Pump Control Panel 415V 4.0kW	<b>\$815</b>	
<b>BIA-SPC3-110</b>	<b>802689</b>	Single Pump Control Panel 415V 11.0kW	<b>\$795</b>	
<b>BIA-SPC3-150</b>	<b>802690</b>	Single Pump Control Panel 415V 15.0kW	<b>\$860</b>	
<b>DUAL PUMP CONTROLLERS</b>				
<b>BIA-DPC1-22</b>	<b>802691</b>	Dual Pump Control Panel 240V 2.2kW	<b>\$935</b>	
<b>BIA-DPC1-22S</b>	<b>803811</b>	Dual Pump Control Panel 240V 2.2kW with 0-2m transducer for drainage and sewage applications.	<b>\$1,220</b>	
<b>BIA-DPC3-40</b>	<b>802692</b>	Dual Pump Control Panel 415V 4.0kW	<b>\$965</b>	
<b>BIA-DPC3-110</b>	<b>802693</b>	Dual Pump Control Panel 415V 11.0kW	<b>\$995</b>	
<b>BIA-DPC3-150</b>	<b>802694</b>	Dual Pump Control Panel 415V 15.0kW	<b>\$1,060</b>	
<b>240V PUMP CONTROLLER WITH PROTECTION AND LEVEL ALARM</b>				
<b>BIA-IPROTECT</b>	<b>802697</b>	Pump Protection Control 240V, 0.37-2.2kW	<b>\$410</b>	
<b>LIQUID LEVEL ALARM</b>				
<b>BIA-iALARM</b>	<b>802695</b>	Level Alarm 10A 240V Includes 10m low voltage float switch with counterweight, audible and visible alarm, and high/low level alarm push button selectable.	<b>\$375</b>	
<b>COVER</b>				
<b>BIA-iCOVER</b>	<b>802700</b>	Metal enclosure for control panel with lockable door. Includes audible and visual alarm. 500W x 400H x 200D	<b>\$475</b>	



PART NO.	ITEM CODE	DESCRIPTION	LIST	ILLUSTRATION
<b>ZENIT SUBMERSIBLE PUMP ACCESSORIES</b>				
ZEN-CF50V	711149	Coupling Device with Vertical Outlet for GR BlueP pump	\$515	 <p>ZEN-CF50V</p>
ZEN-CFBALL50V	711155	Coupling Device C/W Ball NRV and Bleed, Vertical Outlet for GR BlueP pump	\$650	
ZEN-CFBLUE40MM	802785	Coupling Device with Vertical Outlet for 40mm DG or DR Blue Pro pump	\$634	
ZEN-CFBLUE50MM	802109	Coupling Device with Vertical Outlet for 50mm DG or DR Blue Pro pump	\$595	
ZEN-CF65	711150	Coupling Device with Vertical Outlet (For pump with hozz. discharge)	\$730	
ZEN-CF80	711152	Coupling Device with Vertical Outlet (For pump with hozz. discharge)	\$815	
ZEN-CF100	711141	Coupling Device with Vertical Outlet (For pump with hozz. discharge)	\$920	
ZEN-CF150V	711143	Coupling Device with Vertical Outlet (For pump with hozz. discharge)	\$2,775	
ZEN-ELBOW150	800253	Flanged Elbow	\$885	
ZEN-NRVBALL32	711468	Ball Type Non-Return Valve	\$170	
ZEN-NRVBALL40	711469	Ball Type Non-Return Valve	\$200	
ZEN-NRVBALL50	711470	Ball Type Non-Return Valve	\$252	
ZEN-NRVBALL65	711472	Ball Type Non-Return Valve	\$440	
ZEN-NRVBALL80	711473	Ball Type Non-Return Valve	\$643	
ZEN-NRVBALL100	711465	Ball Type Non-Return Valve	\$836	
ZEN-NRVBALL150	711467	Ball Type Non-Return Valve	\$1,856	 <p>ZEN-NRVBALL150</p>
ZEN-CABLE3G1	711133	Cable H07 RNF	\$9.60	
ZEN-CABLE4G1.5	711135	Cable H07 RNF	\$12.45	
ZEN-CABLE4G1.5	711136	Cable H07 RNF	\$29.00	
ZEN-CABLE4G1.5	711138	Cable H07 RNF	\$35.00	 <p>BALL VALVE</p>
ZEN-PN16-2	711478	Flange 2" PN10-16	\$111	
ZEN-PN16-2.5	711479	Flange 2-1/2" PN10-16	\$122	
ZEN-PN16-3	711480	Flange 3" PN10-16	\$143	
ZEN-PN16-4	711481	Flange 4" PN10-16	\$156	
ZEN-FLT2	711391	Flygt Adaptor 2" , 3/4" Guide Rails	\$200	
ZEN-FLT65	802267	Flygt Adaptor 65mm , 1 1/2" Guide Rails	\$339	
ZEN-FLT80	711392	Flygt Adaptor 80mm , 2" Guide Rails	\$515	
ZEN-FLT100	711389	Flygt Adaptor 100mm , 2" Guide Rails	\$664	



Prices in Blue, stock comes from Sydney or supplier

# BIANCO rainsaver™



# BIANCO rainsaver™



## Rainsaver MK4E Changeover Device

Designed to operate with pumps up to kPa. L/m flow. 12V Low voltage Float. WaterMark approved for connection to all town water supplies. Aesthetically designed and requires no weather proofing. IP33. For self-controlled pumps up to 1.5hp, 1.1kW, 240V.

## Rainsaver MK6 device

- Requires no power supply and consumes no electrical energy
- Designed to further save water resources by reducing incoming mains to kPa
- Requires no weather proofing
- Can be mounted any distance from the pump underground or inside a tank
- UV stabilised technopolymer for long life and aesthetics
- All Rainsaver MK6 pumps are independently controlled to regulate flows and pressures whilst protecting the pump against voltage fluctuations, loss of water and incorporate a 24 hour automatic pump restart



RAINSAVER



# RAINSAVER MK6

- Proven components
- Requires no power supply and consumes no electrical energy
- Designed to operate with pumps and mains up to 0 kPa (145 psi)
- Pump flows to 95 l/m, mains flow to 40 l/m (at kPa mains)
- Designed to further save water resources by reducing incoming mains to kPa
- Requires no weather proofing
- Can be mounted any distance from the pump underground or inside a tank
- Completely waterproof - Can be hosed down without the fear of electrocution
- UV stabilised technopolymer for long life and good looks
- All Rainsaver MK6 pumps are independently controlled to regulate flows and pressures whilst protecting the pump against voltage fluctuations, loss of water and incorporate a 24 hour automatic pump restart
- WaterMark approved components for connection to all Town Water supplies  
Safe against water borne bacteria, dezincification and lead poisoning
- No unsightly controller power, water level float cables or the need for a dedicated controller power point
- Australian owned and designed



## Submersible Pump Packages

Part Number	Item Code	Description	kPa	Taps*	lpm	List
<b>1 RS6-IPRESSPRO</b>	<b>804708</b>	The RS6-IPRESSPRO is a rainwater-mains changeover kit with a pump controller which is suitable for a wide range of harvesting set-ups.  The RS6-IPRESSPRO combines a kPa high pressure BIA-RAINSAVERMK6- and a BIA-IPRESS preset to 320kPa start for high performance RAINSAVER systems  The BIA-IPRESSPRO can be fitted to pumps up to 2.2 kW, pressures to 9.8 bar and flows to 120 l/m.		-	120	<b>\$465</b>
<b>2 RS6-B42ACMPC20BP</b>	<b>805772</b>	<b>Rainsaver MK6 &amp; BIA-B42ACMPC20</b> High Head Multistage Submersible 550W Clean Water. Automatic. Built in riser. Rainwater/Mains changeover device with separate adjustable auto restart pump controller mounted in a galvanised enclosure with easy access cover.	320	10	95	<b>\$1,495</b>
<b>3 RS6-DIVERTRON1</b>	<b>804712</b>	<b>Rainsaver MK6 &amp; DAB-DIVERTRON1</b> Multistage Technopolymer Submersible pump 750W Electronic pump with auto restart	470	9	95	<b>\$1,480</b>

\*Taps are calculated at 10 L/m

RAINSAVER MK6 - Not for sale separately

Warranty Service is provided at the nearest authorised service agent



All products below are supplied with the Rainsaver MK6 device





# RAINSAVER MK6



## Surface Mounted Pump Packages

Part Number	Item Code	Description	Watts	kPa	Taps*	lpm	Includes Auto Restart	List
1 RS6-ESYBOXMINI <sup>3</sup>	805930	<b>RAINSAVER MK6 &amp; DAB-ESYBOXMINI<sup>3</sup></b> Variable speed electronic pump with auto restart. Supplied as a kit for assembly.	850	550	8	80	Yes	\$1,855
2 RS6-INOX45S2MPCX	805127	<b>Rainsaver MK6 &amp; BIA-INOX45S2MPCX</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.	450	380	4	58		\$759
2 RS6-INOX60S2MPCX	804715	<b>Rainsaver MK6 &amp; BIA-INOX60S2MPCX</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.		420	5	62		\$820
2 RS6-INOX90S2MPCX	804716	<b>Rainsaver MK6 &amp; BIA-INOX90S2MPCX</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.	750	450	6	78		\$855
3 RS6-JETCOM82MPC20	804717	<b>Rainsaver MK6 &amp; DAB-JETCOM82MPCI</b> Technopolymer Electronic Self Priming Jet Pump. Supplied as a kit for assembly.		460		60		\$1000

\*Taps are calculated at 10 L/m  
RAINSAVER MK6 - Not for sale separately

# RAINWATER HARVESTING SYSTEMS

## Bianco Rainsaver MK4E

### RAINSAVER MK4E CHANGEOVER DEVICE

Designed to operate with pumps up to 800kPa. 100 L/m flow. 12V Low voltage Float.

WaterMark approved for connection to all town water supplies.

Aesthetically designed and requires no weather proofing. IP33.

For self-controlled pumps up to 1.5hp, 1.3kW, 240V.



Part Number	Item	Volts	kW	HP	IP Rating	List
BIA-RAINSAVERMK4E	805617	240	1.3	1.5	IP33	\$495

Part Number	Item Code	Description	Watts	kPa	Taps*	lpm	Includes Auto Restart	List
1 RS4E-ESYBOX	805929	<b>RAINSAVER MK4E &amp; DAB-ESYBOX</b> Variable Speed Electronic Pump. Supplied as a kit for assembly.	-	600	12	120	Yes	\$2845
2 RS4E-INOX45S2MPCX	805332	<b>RAINSAVER MK4E &amp; BIA-INOX45S2MPCX</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.	450	343	4	58		\$995
2 RS4E-INOX60S2MPCX	803793	<b>RAINSAVER MK4E &amp; BIA-INOX60S2MPCX</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.	600	411	5	62		\$1,055
2 RS4E-INOX90S2MPCX	803794	<b>RAINSAVER MK4E &amp; BIA-INOX90S2MPCX</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.	750	490		78		\$1,090
3 RS4E-JETCOM82MPCX	803138	<b>RAINSAVER MK4E &amp; DAB-JETCOM82MPCX</b> Technopolymer Electronic Self Priming Jet Pump. Supplied as a kit for assembly.	600	460	6	60		\$1,235
4 RS4E-JINOX82MPCI	803139	<b>RAINSAVER MK4E &amp; DAB-JINOX82MPCI</b> Stainless Steel Electronic Self-Priming Pump. Supplied as a kit for assembly.			\$1,340			
5 RS4E-EUROINOX30/50MPCI	803140	<b>RAINSAVER MK4E &amp; DAB-EUROINOX30/50MPCI</b> Stainless Steel Horizontal Multistage Electronic Self-Priming Pump. Supplied as a kit for assembly.	550	413	8	80		\$1,725
5 RS4E-EUROINOX40/80MPCI	803141	<b>RAINSAVER MK4E &amp; DAB-EUROINOX40/80MPCI</b> Stainless Steel Horizontal Multistage Electronic Self-Priming Pump. Supplied as a kit for assembly.	1000	577	12	120		\$2,050

\*Taps are calculated at 10 L/m



RAINSAVER

# RAINWATER HARVESTING SYSTEMS

## MK4E Submersible Pump Packages



RAINSAYER

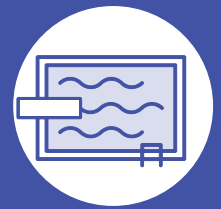
Part Number	Item Code	Description	Watts	kPa	Taps*	lpm	Includes Auto Restart	List
<b>1</b> RS4E-DIVERTRON1200	803142	<b>RAINSAYER MK4E &amp; DAB DIVERTRON1</b> Multistage Technopolymer Submersible Electronic Pump. 15m power cable. 12V low voltage rainsaver float.	750	470	9			<b>\$1,715</b>
<b>2</b> RS4E-B42ACMPCXBPH	805666	<b>RAINSAYER MK4E &amp; BIA-B42ACMPC20</b> High head multistage submersible clean water, automatic pump with built in riser.	550	320	10	95	Yes	<b>\$1,565</b>
<b>3</b> RS4E-B42ACMPCXH	805665	<b>RAINSAYER MK4E &amp; BIA-B42ACMPCXH</b> High head multistage submersible clean water, automatic pump with built in riser.						<b>\$1,565</b>

\*Taps calculated at 10 L/m

Prices in Blue, stock comes from Sydney or supplier



# POOL PUMPS



## E.SWIM

### Applications

E.SWIM is the most quiet and energy-efficient electronic swimming pool pump with built-in high capacity strainer basket available.

E.SWIM combines advanced engineering hydraulic parts, frequency converter technology, and a high-efficiency permanent magnet motor. This innovative water-cooled motor is able to run variable depending upon the speed, in a whisper-quiet manner.

Extremely quiet and highly reliable, E.SWIM has been developed for water circulation and filtration in domestic and residential swimming pools.

## EUROSWIM

### Applications

- High performance self-priming centrifugal electric pumps with built-in high capacity prefilter. Motor completely isolated from the water.
- Extremely quiet and highly reliable, developed for water circulation and filtration in domestic and residential swimming pools.
- Suitable for specific applications requiring handling of aggressive liquids in the fishing, agricultural, and industrial sectors.

### Construction features of the pump

- Fibreglass reinforced technopolymer pump body. Transparent antioxidant polycarbonate prefilter cover ensuring constant visibility over long period.
- Nylon strainer. Fibreglass reinforced technopolymer impeller designed to ensure total cover and insulation of the motor shaft from the pumped liquid.
- Reinforced technopolymer diffuser. Carbon / alumina / NBR / AISI 316 mechanical seal. NBR pump body O-ring, AISI 316 stainless steel reinforcement ring nuts and screws. Butterfly filling and drain plugs that can be removed and refitted without tools.

### Construction features of the motor

- Continuous service 2-pole asynchronous motor (S1) with a wide power range, from 0.5 HP to 3 HP.
- Diecast aluminium motor casing with cataphoresis paint coating to avoid oxidation also in aggressive environments. Support base supplied with rubber feet to reduce vibrations.
- Single phase version supplied with built-in thermal and current protection. Permanent split capacitor (PSC) supplied inside the terminal box on all versions.



# CENTRIFUGAL POOL PUMPS

## E.SWIM

### E.Swim - VFD Pool Pump

E.Swim is an electronic swimming pool pump with built-in high capacity strainer basket, ideal for water circulation and filtration in residential pools.

#### Features

- The frequency converter technology combined with the high efficiency permanent magnet motor, cooled by the pumped liquid, grant the best energy savings and is extremely quiet.
- Can be installed in small, poorly ventilated spaces due to water cooled motor.
- Intuitive interface panel, with LCD display and keypad for easy programming, with diagnostic software integrated for pump and plant protection.
- Function mode with Speed control or Flow control, suitable for different swimming pool types.
- May be controlled remotely when installed with connection cable kit.



Part Number	Item Code	kW	HP	Volts VFD	Max Head (m)	Max Flow (lpm)	Ports	List
<b>DAB-ESWIM</b>	<b>805774</b>	1.1	1.5	240	15.4	500	2" BSPF and sockets suit DN40, DN50 PVC	<b>\$3,380</b>

## Euroswim

High efficiency self-priming centrifugal pumps with built-in large capacity pre-filter. Extremely quiet running and great reliability, developed for water circulation and filtration in domestic swimming pools. Suitable also for special applications that call for handling of aggressive liquids such as fish farms, agriculture and industry.

#### Features

- Pump body in fibreglass reinforced technopolymer
- Strainer cover in clear antioxidant polycarbonate to guarantee constant visibility through time
- Nylon strainer
- Impeller in fibreglass-reinforced technopolymer developed to ensure total coverage and isolation of the motor shaft from the pumped liquid
- Diffuser in reinforced technopolymer
- Mechanical seal in carbon / alumina / NBR / AISI 316
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs that can be removed and refitted without tools
- Asynchronous continuous duty 2-pole motor
- Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.



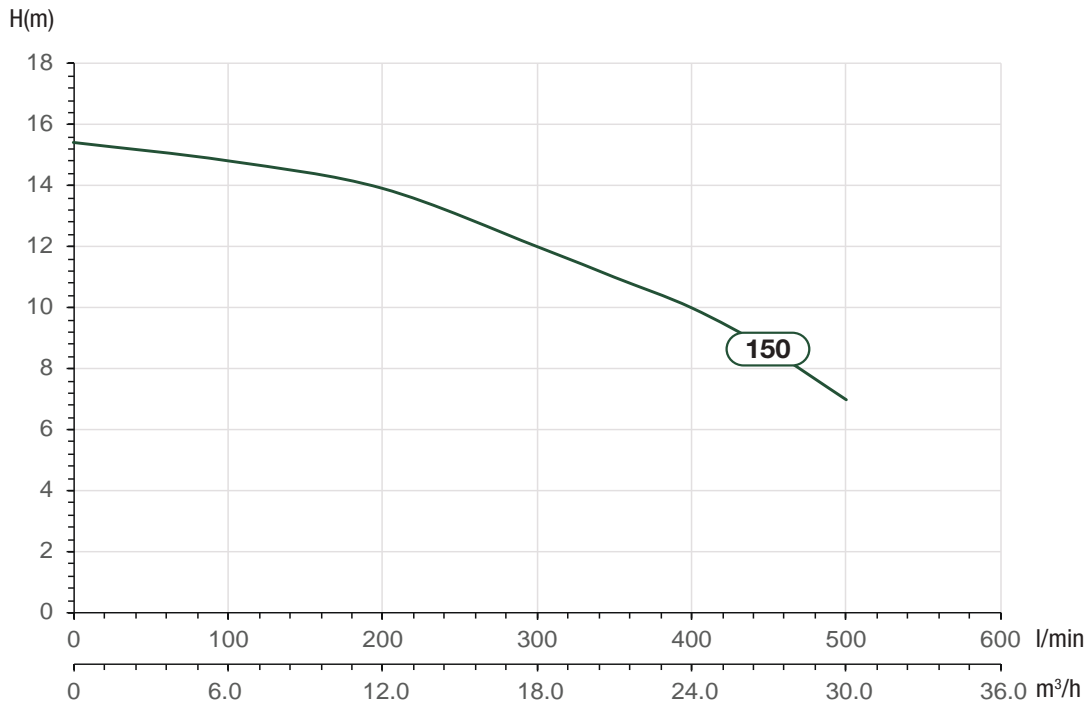
Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
<b>DAB-EUROSWIM50M</b>	<b>701552</b>	0.33	0.5	240	12	300	2" BSPF and sockets suit DN40, DN50 PVC	<b>\$850</b>
<b>DAB-EUROSWIM75M</b>	<b>701553</b>	0.5	0.75		13.8	350		<b>\$870</b>
<b>DAB-EUROSWIM100M</b>	<b>701549</b>	0.75	1.0		15.4	400		<b>\$910</b>
<b>DAB-EUROSWIM150M</b>	<b>701550</b>	1.1	1.5		16.2	500		<b>\$1,020</b>
<b>DAB-EUROSWIM200M</b>	<b>701551</b>	1.5	2.0		18.6	600		<b>\$1,138</b>
<b>DAB-EUROSWIM300M</b>	<b>805773</b>	2.2	3.0		22	700		<b>\$1,248</b>

Prices in Blue, stock comes from Sydney or supplier

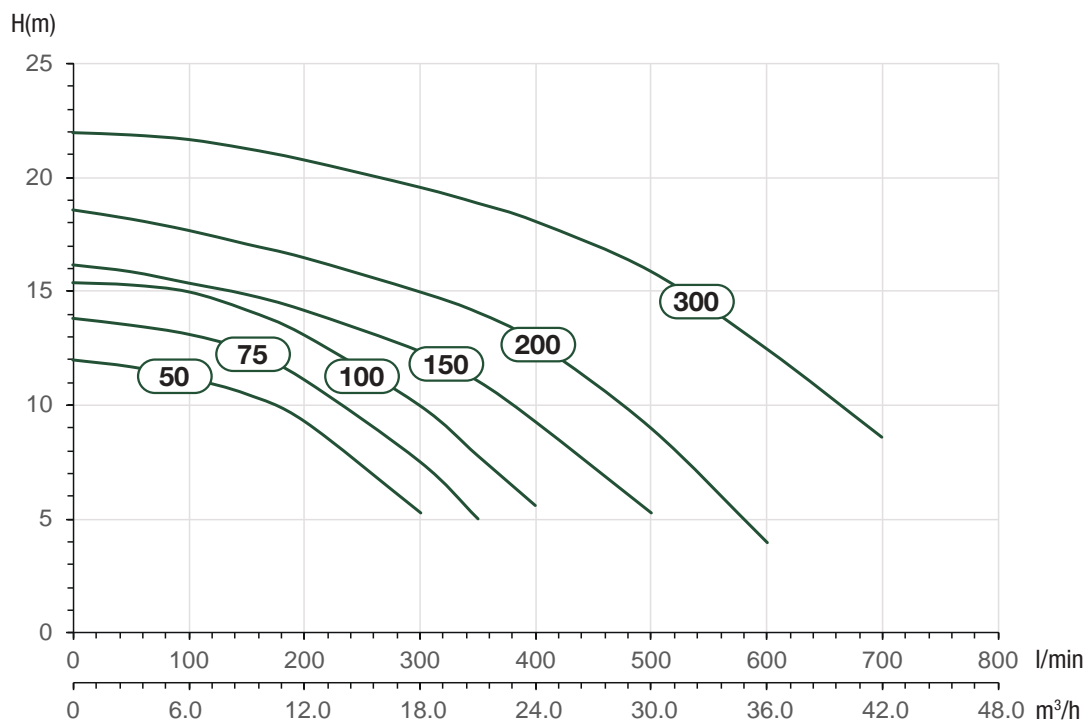
# POOL PUMP CURVES



**E-SWIM** Page 74



**EUROSWIM** Page 74



POOL PUMPS

# Handy Information

## Average Water Requirements

1/2" Tap	12 to 15 lpm @ 20psi (140kPa)
Shower	15 lpm @ 20psi (140kPa)
Lawn (Sprinkler)	15 lpm @ 20psi (140kPa)
3/4" Hose & 1/4" Nozzle	40 lpm @ 30psi (210kPa)
1" Hose & 3/8 Nozzle	75lpm @30psi (210kPa)

Please note that these are average water requirements and may vary according to specific applications.

## Suction Lift

Suction lift refers to the partial vacuum that pumps create into which atmospheric pressure pushes water via the suction pipework. A Maximum suction lift of 6.7 metres at sea level is common but this can be affected by the following.

### What affects suction lift?

- Friction loss reduced the vertical lift possible
- Altitude, as this increased the atmospheric pressure decreases and less push is exerted on the water entering the pump suction
- Pump suction performance, a better performing pump with a higher flow rate will mean less partial vacuum is created
- Water temperature, suction lift can be reduced due to higher water temperature as it is more likely to boil when exposed to a partial vacuum

### A guide to suction

Elevation	Max. Practical Suction Lift	Absolute Atmospheric Pressure (cold water)
Sea Level	6.7m	10.35m
500m	6.1m	9.75m
750m	5.8m	9.46m
1,000m	5.5m	9.19m
1,500m	5.0m	8.64m
2,000m	4.5m	8.13m

Water Temp °C	Suction Lift Reduction- metres
15°	0
20°	0.06
30°	0.22
40°	0.52
50°	0.98
60°	1.73
70°	2.85
80°	4.51

### Calculating Suction Lift

$$H_s = P_a - NPSHR - P_{vap} - \text{Safety}$$

Hs	Maximum suction lift including friction loss in suction pipe
Pa	Absolute atmospheric pressure at site
NPSHR	NPSH required by pump at specific flow rate
Pvap	Vapour pressure of liquid with specific temperature
Safety	Allow at least 1m safety factor

### Calculating Pump Power

$$\text{Water Power (kW)} = \text{Flow (lpm)} \times \text{Head (m)} / 6122.4$$

$$\text{Pump Power (P2, kW)} = \text{Water Power} / \text{Pump Efficiency \%}$$

$$\text{Input Power (P1, kW)} = \text{Pump Power} / \text{Motor Efficiency \%}$$

## Conversion Information

### Flow Conversion

			Imperial	
lpm	lps	m3/hr	gpm	gph
7.6	0.13	0.45	1.7	100
10.0	0.17	0.60	2.2	132
16.7	0.28	1	3.7	220
45.5	0.76	2.73	10	601
60.0	1	3.60	13.2	793
75.7	1.26	4.54	16.7	1,000
83.3	1.39	5	18.3	1101

### Pressure/Head Conversion

Metres	kPa	Bar	Feet Head	psi
1	9.81	0.10	3.28	1.42
10.0	98.1	0.98	32.8	14.2
10.2	100	1	33.4	14.5
15.2	149.5	1.5	50.0	21.6
30.5	299.0	3.0	100	43.3
35.2	354.4	3.5	115.5	50.0
70.4	690.8	6.9	231.0	100
101.9	999.6	10.0	334.2	144.7

### Volume Conversion

Litres	Cubic Metres	Imp. Gals	US Gals	Cubic Feet
1	0.001	0.22	0.264	0.0353
1,000	1	220	264	35.3
4.546	0.0045	1	1.2	0.1605
3.785	0.0038	0.833	1	0.1337
28.32	0.0283	6.23	7.48	1

### Length Conversion

Inch	Foot	Yard	Metres
1	0.08	0.028	0.025
12.0	1	0.33	0.305
36	3	1	0.91
39.4	3.28	1.09	1

## Friction

Pipe friction refers to the resistance to flow caused by the pipe. Generally it is better to use the largest practical pipe size to avoid losses in pump performance.

Friction Loss Guide - See tables on next page



**Friction Loss for Poly Pipe - 20mm to 63mm (m/100 metres of pipe)**

Flow In		Medium Density Polythene Pipe																													
L/ min	Gals Hr	Rural Class B Pipe					PE80/PN8					PE80/PN10					PE80/PN12.5					PE80/PN16									
		3/4"	1"	1 1/4"	1 1/2"	2"	20	25	32	40	50	63	20	25	32	40	50	63	20	25	32	40	50	63	20	25	32	40	50	63	
10	132	2.7	0.7	0.2	0.1	-	3.9	1.1	0.3	0.1	-	-	4.5	1.4	0.4	0.1	-	-	5.3	1.8	0.5	0.2	0.1	-	6.8	2.2	0.7	0.2	0.1	-	
20	264	9.8	2.4	0.8	0.3	0.1	14.2	4.0	1.2	0.4	0.1	-	16.4	5.1	1.5	0.5	0.2	0.1	19.0	6.4	1.8	0.6	0.2	0.1	24.4	8.0	2.4	0.8	0.3	0.1	
30	396	20.8	5.1	1.7	0.7	0.2		8.5	2.6	0.9	0.3	0.1		10.7	3.2	1.0	0.4	0.1		13.6	3.8	1.3	0.4	0.1		17.0	5.2	1.7	0.6	0.2	
40	528		8.7	2.9	1.2	0.3			4.5	1.5	0.5	0.2			5.4	1.7	0.6	0.2			6.5	2.2	0.8	0.2			8.8	2.9	1.1	0.3	
50	660		13.2	4.5	1.8	0.5			6.8	2.3	0.8	0.3			8.1	2.6	0.9	0.3			9.8	3.4	1.1	0.4			13.3	4.4	1.5	0.5	
60	792		18.5	6.2	2.6	0.6			9.5	3.2	1.1	0.4			11.4	3.7	1.3	0.4			13.7	4.8	1.6	0.5			18.0	6.2	2.0	0.7	
80	1056		30.1	10.6	4.4	1.1				5.5	1.8	0.6				6.3	2.3	0.7				8.1	2.7	0.9				10.5	3.5	1.2	
100	1320			16.1	6.6	1.6				8.3	2.7	0.9				9.5	3.4	1.1				12.2	4.1	1.3				15.9	5.3	1.7	
120	1584				9.3	2.3				3.8	1.3						4.8	1.5						5.8	1.9					7.4	2.4
140	1848				12.3	3.0				5.1	1.7						6.4	2.0						7.7	2.5					9.8	3.2
160	2112					3.9				6.5	2.2						8.1	2.6						9.8	3.2					12.6	4.2
180	2376					4.8					2.7							3.3							3.9						5.2
200	2639					5.9					3.3							4.0							4.8						6.3
220	2904					7.0					3.9							4.7							5.7						7.5
240	3168					8.2					4.6							5.6							6.7						8.8
250	3300					8.9					5.0							6.0							7.2						9.5

**Friction Loss for Poly Pipe (m/100 metres of pipe)**

Flow Rate			25mm O.D.		32mm O.D.		40mm O.D.		50mm O.D.		63mm O.D.		75mm O.D.		90mm O.D.		110mm O.D.	
lps	lpm	M3/hr	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5
0.2	12	0.72	2.12	2.97	0.56	0.90	0.02	0.32										
0.5	30	1.80	10.53	14.83	2.78	4.45	0.86	1.58	0.27	0.55								
0.8	48	2.88	24.24	34.17	6.37	10.20	1.97	3.62	0.61	1.25								
1.0	60	3.60			9.46	15.17	2.92	5.38	0.91	1.85	0.33	0.61	0.14	0.26				
1.6	96	5.76			21.88		6.73	12.41	2.08	4.25	0.75	1.13	0.33	0.49				
2.0	120	7.20					10.02	18.50	3.10	6.33	1.11	2.07	0.48	0.89	0.20	0.37		
3.0	180	10.80							6.39	13.07	2.29	4.27	0.99	1.83	0.42	0.76	0.16	0.29
4.0	240	14.40							10.70		3.82	7.15	1.65	3.05	0.69	1.27	0.27	0.49
5.0	300	18.0									5.70		2.46	4.55	1.03	1.89	0.40	0.72
6.0	360	21.6									7.92		3.42	6.32	1.43	2.63	0.55	1
7.0	420	25.2											4.51		1.88	3.46	0.72	1.32
9.0	540	32.4											7.09		2.96	5.45	1.14	2.07
10.0	600	36.0													3.58	6.59	1.37	2.50
15.0	900	54.0															2.85	5.20
20.0	1200	72.0															4.80	

**Friction Loss for PVC Pipe (m/100 metres of pipe)**

Flow Rate			25mm		32mm		40mm		50mm		80mm		100mm		150mm	
lps	lpm	M3/hr	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12
0.2	12	0.72	0.43	0.49	0.14	0.16	0.08	0.42								
0.5	30	1.80	2.15	2.40	0.70	0.80	0.37	0.97	0.13	0.14						
0.8	48	2.88	4.91	5.50	1.61	1.82	0.84	1.43	0.29	0.33						
1.0	60	3.60	7.29	8.16	2.38	2.70	1.24	3.30	0.42	0.48	0.07	0.08				
1.6	96	5.76	16.85	18.87	5.49	6.23	2.86	4.90	0.97	1.11	0.15	0.18				
2.0	120	7.20			8.17	9.27	4.25	10.12	1.42	1.65	0.23	0.26	0.07	0.05		
3.0	180	10.80					8.77	16.98	2.97	3.40	0.46	0.53	0.14	0.08		
4.0	240	14.40							4.98	5.68	0.77	0.89	0.23	0.16		
5.0	300	18.0							7.43	8.49	1.15	1.32	0.34	0.26		
6.0	360	21.6									1.60	1.83	0.48	0.39	0.09	0.11
7.0	420	25.2									2.11	2.42	0.63	0.55	0.12	0.14
8.0	480	28.8									2.68	3.07	0.80	0.72	0.16	0.18
9.0	540	32.4									3.31	3.80	0.98	0.91	0.19	0.22
10.0	600	36.0									4	4.59	1.19	1.13	0.23	0.27
15.0	900	54.0											2.47	1.36	0.48	0.55
20.0	1200	72.0													0.81	0.93

**Friction Loss for Rubber Hose (m/ 100 metres of hose)**

Flow			Friction Loss (m/100 metres of hose)				
lps	lpm	M3/hr	20mm	25mm	32mm	40mm	50mm
0.2	12	0.72	4.29	1.14	0.37	0.15	
0.5	30	1.8	22.81	5.88	1.9	0.77	0.2
1	60	3.6		21.11	6.71	2.67	0.7
2	120	7.2			24.37	9.56	2.47
3	180	10.8				20.43	5.21
4	240	14.4				35.22	8.9
4.5	270	16.2					11.1

# Terms & Conditions

## 1. QUOTATION AND FORWARD ORDERS

- 1.1 No quotation given by the Company shall constitute or be deemed to constitute a binding offer and a valid contract shall only exist after the Company's written acceptance of an order (whether by issue of the Company's standard invoice/statement or otherwise). Such contract shall be subject to the conditions set out below.
- 1.2 Where goods have to be ordered from overseas the Company shall not be liable to the Purchaser for such an order unless and until the Manufacturer communicates its acceptance of such an order to the Company.
- 1.3 A quotation is valid for thirty (30) days only and the Company reserves the right to amend it if an error or omission has occurred.

## 2. DESCRIPTION OF GOODS

- 2.1 Weights and/or dimensions included in any catalogues, advertisements, illustrated matter and price lists are approximates only and details thereof shall not be binding unless and to the extent only that such details are specified in the contract.
- 2.2 Technical documents or drawings submitted to the Purchaser prior to a contract being entered into remain the property of the Company and shall not be copied reproduced or used by manufacturers or transmitted to a third party unless the prior written permission of the Company is obtained.
- 2.3 One copy of the technical data operator's handbook and spare parts list where applicable and subject to availability will be supplied by the Company to the Purchaser without charge at the time of delivery (or if unavailable, when available). Further copies shall be at the cost of the Purchaser.

## 3. WARRANTIES

- 3.1 Subject to the provisions of the contract all and any terms conditions and warranties or representations expressed or implied whether statutory or otherwise collateral or antecedent hereto or otherwise with respect to the merchantability quality condition fitness durability suitability of the goods ordered in any respect (except those expressly contained herein or incorporated herein by reference or otherwise expressly agreed to in writing by the Company) are to the extent that the same may be excluded, hereby expressly negated and excluded.
- 3.2 The Purchaser shall satisfy itself as to the condition quality and suitability of the goods and the fitness of the goods for the purpose(s) for which the goods are being purchased and as to its compliance with the description (if any) of such goods. Any description shall be by way of identification only and the use of such description shall not constitute this contract sale by description.
- 3.3 The Company shall not, after delivery of the goods to the Purchaser, be responsible or liable (in the absence of any wilful or negligent act or omission on the part of the Company) for any liability claim loss damage or expense of any kind or nature (including but not limited to loss of profits earnings or income direct indirect consequential contingent or resulting liability loss or damage whether to persons property or otherwise) or death or injury caused by or arising out of or relating in any manner or incidental to the goods or the possession or use thereof by the Purchaser or any third party or in relation to the condition storage supply non supply performance or non-performance inadequacy in or any defect or breakdown of any accident to the goods or any item therein or anything or service provided for or contemplated by or incidental to or arising out of the distribution sale promotion display or advertisement of the goods hereunder. The Purchaser shall and does hereby release and discharge the Company from any liability in respect of any action proceeding demand claim loss damage expense death injury aforesaid.
- 3.4 In circumstances where the Purchaser is a "consumer" as defined for the purposes of Division 1 in Part 3.2 of Schedule 2 to the Competition and Consumer Act 2010 (Cth) (the Australian Consumer Law) ("the Australian Consumer Law"), these conditions of sale shall not be read or applied so as to purport to exclude restrict or modify or have the effect of excluding restricting modifying the application of the consumer guarantees set out in the Australian Consumer Law. All other conditions or warranties which would or might otherwise be implied and are hereby expressly excluded and negated.
- 3.5 If the Purchaser is a "consumer" for the purposes of the Australian Consumer Law, then to the extent permitted under the Australian Consumer Law the Company's liability for a breach of the consumer guarantees set out in the Australian Consumer Law including any consequential loss which the Purchaser or any third party may sustain or incur shall be limited, at the option of the Company, to:
  - (i) the replacement or repair of the goods concerned or the supply of equivalent goods; or
  - (ii) the payment of the cost of replacing or repairing the goods or of acquiring equivalent goods, whichever, may be determined in the absolute discretion of the Company to be appropriate in the circumstances. The Purchaser shall within thirty (30) days of the Purchaser first becoming aware of the facts giving

rise to a claim under this provision make written claim to the Company setting out the full particulars of such claim and deliver freight prepaid to the Company the subject good(s) so as to enable the Company to examine the same and satisfy itself as to the subject claim.

- 3.6 The Company warrants that in the event of any defect being discovered within any warranty period granted by the Manufacturer of the subject goods or any component part or parts thereof the Company will, provided that it is satisfied that the defect is due to an inherent defect of faulty material or bad workmanship, repair or replace the defective part of the goods (as the Company shall in its absolute discretion determine) without charge upon the defective goods being returned freight prepaid to the Company. Any claim under this warranty must be made to the Company in writing within thirty (30) days of the defect being discovered.
- 3.7 The benefits of any warranty herein contained shall not apply in the case of:
  - (i) defect(s) due to misuse or neglect.
  - (ii) goods, which have been altered or added to or otherwise modified without the prior written consent of the Company.
  - (iii) goods repaired or serviced by any person other than the Company or its duly authorised representative.
  - (iv) goods used for purposes other than those for which they were designed as defined and/or specified in the Manufacturer's and /or the Company's catalogues, advertisements, operator's handbooks, and technical data.
- 3.8 If the goods are deemed to be non warranty, the purchaser will be advised of a repair cost and has 14 days to respond. If after 14 days no response has been received the goods will be returned to the purchaser at their cost.

## 4. SELLING PRICE

- 4.1 The selling price dated on the Company's invoice to the Purchaser is based upon the Manufacturer's then current selling price to the Company, the then current freight rates, customs duty, landing clearing and storage charges, insurance and foreign exchange rates. Should there be any variation in any of these rates or charges or if there is any variation as a result of, or changes in, the laws or regulations for the time being in force (whether State or Commonwealth) at or before the goods are delivered to or collected by the Purchaser (as the case maybe) then, in such event, the Company reserves the right to vary the selling price, including the profit margin of the Company as shall be appropriate in the circumstances and the Purchaser agrees to pay any such varied selling price in lieu of the original selling price.

## 5. DELIVERY

- 5.1 Unless otherwise agreed the delivery period shall run from the latest of the following dates.
  - (a) Acceptance of the order by the Company.
  - (b) The date upon which the Manufacturer receives notice of a Valid Import Licence.
  - (c) The date of receipt by the Company of any advance payment or Letters of Credit as may be stipulated in the contract.
  - (d) The date of receipt by the Manufacturer of a final order from the Company for the Manufacturer to commence manufacture of the subject goods.
  - (e) A minimum order handling fee of \$15 will apply to all deliveries where the invoice value is less than \$150. This fee will not apply to back orders if the original order value exceeds this limit.
  - (f) Standard pack quantities may apply.
  - (g) All deliveries must be signed for upon receipt
  - (h) All damaged goods must be identified upon receipt of the delivery, and the damage noted on the connote. Any damages must be reported to our Customer service team within 48 hours, and no claims will be accepted outside of our normal notification terms.White International will not cover any damage or loss incurred after a delivery has been made to an on-forwarder, or a purchasers designated carrier. It is the purchasers responsibility to ensure that damages etc are reported by their carriers.

## 6. DELAY IN DELIVERY

- 6.1 No liability shall be attached to the Company for deliveries delayed, suspended, cancelled, part or short delivered due to an Act of God, war, riot, fire explosion, accident, flood, shortage, inability to obtain fuel, power, raw materials, labour, containers, or transportation facilities, government law, regulations, orders or action, breakage or failure of machinery or apparatus, national defence requirements or any other event beyond the reasonable control of the Company or in the event of labour trouble, strike, lockout

or injunction (whether or not such labour event prevents the manufacture, shipment acceptance of a shipment of the goods or of material upon which the manufacturer of the goods is dependent. Deliveries suspended under this Clause may at the option of the Company be cancelled without any liability attaching to the Company or completed within an extended period and in either case, the Company shall notify the Purchaser in writing accordingly.

## 7 TRANSPORT

- 7.1 All deliveries into Capital Cities and the following regional centres (Newcastle, Wollongong, Gold Coast, Hobart, Launceston, Devonport and Geelong) will be Free into Store. Backorders emanating from a multi line order will be delivered Free into Store. Deliveries to third parties or freight forwarders will be subject to our standard delivery rates.
- 7.2 All deliveries to other destinations will be charged to the Purchaser
- (i) the Purchaser may nominate its own freight provider (subject to clause 7.3)
- (ii) the Purchaser may nominate White International to deliver the goods at a cost, which is in accordance with a schedule of rates provided.
- 7.3 Priority delivery service is available. All costs will be charged to the Purchaser.
- 7.4 Cost associated with offloading, unpacking, positioning, and erections are not included in the Company's selling price and are the responsibility of the Purchaser who shall provide competent labour to effect these arrangements at their own expense. Delivery of goods in all other cases shall be at the cost of the Purchaser.

## 8 RISK AND TITLE

- 8.1 No general property or equitable interest in goods supplied by the Company to the Purchaser shall pass to the Purchaser until such time (hereinafter called "the specified time") as the price of the goods and all other moneys (if any) due from the Purchaser to the Company in respect of the goods or under any contract between the Company and the Purchaser shall have been paid to the Company in full.
- 8.2 Until the specified time the Purchaser shall be only a bailee of the goods for the Company and the Purchaser shall;
- (a) so hold the goods until the specified time as to enable them always readily to be identified as the property of the Company
- (b) upon written demand re-deliver the goods to the Company or allow the Company by its servants or agents to enter upon any premises where the goods are stored to recover the same.
- 8.3 The Purchaser is authorised before the specified time as agent for the Company to sell the goods for the account of the Company.
- 8.4 The goods shall be at the Purchaser's risk from the time of despatch from the Company's premises.
- 8.5 Where the seller holds any security interest in the goods, the Purchaser agrees to implement, maintain and comply in all material respects with procedures for the perfection of those security interests as provided by Personal Property Security Act 9 (Cth).
- 8.6 The Purchaser must take all steps under Personal Property Security Act 9 (Cth) to continuously perfect any such security interest, including all the steps necessary for the seller to obtain the highest ranking priority possible in respect of those security interests and to reduce as far as possible the risk of a third party acquiring and interest free of sellers security interests.

## 9 PAYMENT

- 9.1 For machines ex Australian stock – payment 14 days from date of despatch ex company warehouse. For pumps and goods excluding machines ex Australian stock – payment on or before the 30th day of the month following the month in which the goods are despatched by the Company to the Purchaser (unless otherwise specified in the Company's statement/invoice).
- 9.2 For goods to be imported against order – 50% deposit with order, balance by irrevocable letter of credit to be established at the time of order through our nominated bank account payable on demand against presentation of documents unless otherwise arranged.
- 9.3 There shall be no delay of payment after delivery of the goods ordered except in accordance with the quoted terms.

## 10 CANCELLATION

Request for cancellation of an order must be in writing. Any such cancellation shall be of no force or effect and shall not be binding on the Company unless and until such cancellation is accepted by the Company in writing. Cancellation of any order shall be at the sole and absolute discretion of the Company. No request for cancellation by the Purchaser will be accepted by the Company where goods have been ordered from the Manufacturer by the Company against a firm order from the Purchaser.

## 11. SERVICE UNDER WARRANTY

- 11.1 The performance figures quoted by the Manufacturer and/or the Company do not and shall not be deemed to constitute a warranty by the Company and it is not warranted that such exact performance figures will be achieved.
- 11.2 Inspection of a machine and its performance may be carried out by arrangement, at the Purchaser's expense.
- 11.3 The Manufacturer's normal working tolerances shall be considered correct for the machines unless otherwise specifically agreed between the Purchaser and the Company, in writing.
- 11.4 The Company shall by mutual arrangements with the Purchaser provide technical data assistance during run-off or commissioning of the machines or pumps but this does not include routine loading during extended test periods. Any commissioning period, if applicable, shall be for the duration of one (1) working day unless otherwise agreed to in writing.
- 11.5 Service given free of charge during the Manufacturer's warranty period does not include work properly described as maintenance and repair preventative maintenance must be provided by the Purchaser as recommended by the Manufacturer in order to preserve and fulfil the terms of warranty.
- 11.6 Extended commissioning shall be subject to the Company's then current rate of charges.
- 11.7 Where new components are purchased locally or supplied by the Company in order to expedite warranty service the faulty components must be retained by or returned to the Company freight prepaid to enable the Company to support its claim on the Manufacturer.

## 12. RETURN OF GOODS

- Save as herein provided, goods purchased from the Company shall in no case be returned to the Company unless;
- (i) the Purchaser first notifies the Company within 3 days of the receipt of goods, of its desire to return goods to the Company, stating the reasons therefor, and
- (ii) the Company agrees to accept the return of the goods, subject always to such terms and conditions (if any) as the Company shall in its absolute discretion stipulate, and
- (iii) the goods are returned freight prepaid to the Company at its head office warehouse.
- (iv) All goods returned will be subject to a handling charge of the greater of \$30 or 10% of the sale price of the goods. Any goods which are classified as being made to order or not listed on the Seller's current standard price list are not able to be returned.
- Goods returned to the Company shall at all relevant times be at the sole risk of the Purchaser. It shall be the Purchaser's obligation and responsibility to obtain a written acknowledgment from the Company as to its receipt of goods returned by the Purchaser to the Company pursuant to and in accordance with the terms of this clause.
- (v) The goods must be returned in their original packaging and be in an unused and saleable condition. Any repairs (inc repackaging) will be charged tot he purchaser in addition to the restocking fee.

## 13. DEFINITIONS

- In this agreement unless the context requires otherwise the following expressions shall have the following meanings respectively;
- (i) "Distributor" means the authorised distributor of the Company
- (ii) "Purchaser" means and includes the Distributor (where the context so admits) and the original retail purchaser of the goods (and whether purchased from the Distributor or from the Company direct).
- (iii) "Goods" means any goods purchased from the Company.
- (iv) "Contract" means all those documents comprising the agreed terms of sale of goods by the Company to the Purchaser including but not limited to purchase order, invoices, the Company's General Terms and Conditions of Sale and such other written material of the Manufacturer and/or the Company relating to the goods and which is issued to or brought to the notice of the Purchaser and any writing of the Purchaser issued to the Company or its Distributor and accepted by the Company as constituting a term or condition of the contract.
- (v) "Manufacturer" means the manufacturer of goods sold by the Company.
- (vi) "The Company" shall mean and include White International Pty Limited and any other related or associated companies.

## 14. PERSONAL INFORMATION

Please refer to our website [www.whiteint.co.nz](http://www.whiteint.co.nz) to view our privacy policy.



**WHITE INTERNATIONAL PTY LTD**

60 Ashford Ave Milperra NSW 2214  
PO Box 304 Milperra NSW 2214  
Phone 02 9783 6000 Fax 02 9783 6001  
Customer Service 1800 783 601  
Email Sales: pumpsales@whiteint.com.au  
[www.whiteint.com.au](http://www.whiteint.com.au)

**WHITE INTERNATIONAL NZ LTD**

15G Kerwyn Avenue  
East Tamaki, Auckland 2013, New Zealand  
Phone 09 579 9777 Fax 09 579 7775  
Customer Service 0800 509 506  
Customer Service Fax 0800 804 344  
Email Sales: sales@whiteint.co.nz  
[www.whiteint.co.nz](http://www.whiteint.co.nz)



**Please always refer to our website for further technical information & new product innovations**

**Disclaimer:** Every effort has been made to publish the correct details in this pricelist. No responsibility will be taken for errors, omissions or changes in product specifications. Product images are representations only.