BIANCO PUMPZ

# Bianco Pumpz

## Product Range Brochure 2016

WHITE INTERNATIONAL

# Surface Mounted
## Water Supply Pressure Systems

## Urban Water Tank Pressure System

The pumps are self-priming pressure systems supplied wired and ready to install.

Suitable for garden and rainwater applications with limited suction lifts.

The pump is characterised by:
Automatic electronic pump control fitted and wired and starts and stops the pump automatically when a tap is turned on or off. Automatic electronic pump control provides constant pressure at low to full flows and provides dry run protection. The auto restart looks for water if the pump runs out. Automatic control incorporates electrical surge protection, pressure gauge, rotatable pump connection and in-built check valve. Corrosion resistant pump body, diffuser and impeller. Mechanical shaft seal. 240V single phase TEFC motor with in-built auto-reset thermal overload.

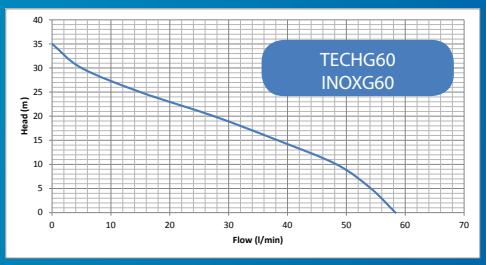
BIA-TECHG60MPCX

BIA-INOXG60MPCX

| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) | | | | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 m | 3 m | 5 m | 6 m | | | | | | |
| | | L/m | L/m | L/m | L/m | | | | | | |
| BIA-TECHG60MPCX 802817 | 220 kPa 32psi | 55 | 42 | | | 450W | 220-362 | 362 | 3.6 | 1" BSPF x 1" BSPM | 8 |
| BIA-INOXG60MPCX 802818 | 220 kPa 32 psi | 55 | 42 | | | 450W | 220-362 | 362 | 3.6 | 1" BSPF x 1" BSPM | 8 |

Note: The taps shown above have been calculated at 10 litres per minute.

Pump is Approved for Drinking Water
AS/NZS 4020
Distributed by White International




BIANCO 2 YEAR PUMP WARRANTY

## Introducing the BIA-iPRESS

NEW TECHNOLOGY

The BIA-iPRESS is a device used to control electric 240V pumps of 2.2kW or less. The controller monitors both the pressure and the flow. There is no need for a separate (expansion) pressure tank (except when used in mode 2). 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 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 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 enables the home owner full control of the pressure system

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

BIA-iINOX90S2

Pump is Approved for Drinking Water
AS/NZS 4020
Distributed by White International

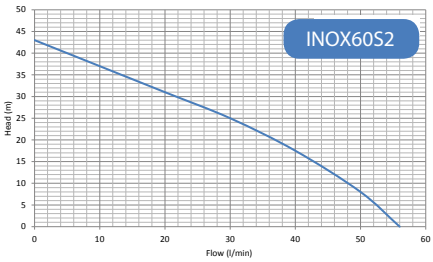
# Stainless Steel Rainwater Tank Pressure Systems

BIANCO PUMPZ SERIES 2

Fully electronic high performance self-priming pumps designed for domestic water supply for urban and rural water storage tanks. Designed completely from non-ferrous materials to avoid the effects of corrosion. Automatic electronic pump control provides constant pressure at low to full flows and provides dry run protection. The auto restart looks for water if the pump runs out. Automatic control incorporates electrical surge protection, rotatable pump connection and in-built check valve.

BIANCO 2 YEAR PUMP WARRANTY

| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) 0 m L/m | 3 m L/m | 5 m L/m | 6 m L/m | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BIA-INOX60S2MPCX 802801 | 220 kPa 32psi | 57 | 43 | 36 | 34 | 600W | 220-411 | 411 | 4.1 | 1" BSPF x 1" BSPM | 11.5 |
| BIA-INOX90S2MPCX 802802 | 220 kPa 32 psi | 68 | 52 | 44 | 41 | 750W | 220-450 | 450 | 4.5 | 1" BSPF x 1" BSPM | 13 |
| BIA-iINOX90S2 802803 | 220 kPa 32 psi | 68 | 52 | 44 | 41 | 750W | adjustable | 450 | 4.5 | 1" BSPF x 1" BSPM | 13 |



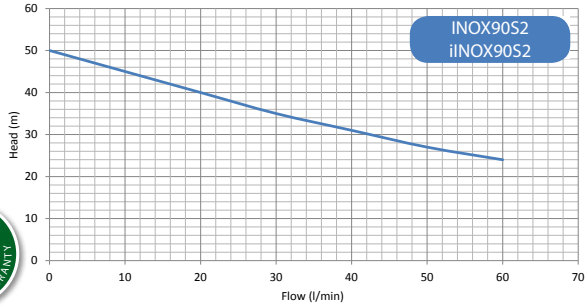

Note: The taps shown above have been calculated at 10 litres per minute.

# Horizontal Multistage Pressure System Pumps

Corrosion resistant stainless steel construction. Ideal for: domestic water supply for holiday homes and cottages, irrigation and car washing General water transfer systems. Automatic electronic pump control fitted and wired and starts and stops the pump automatically when a tap is turned on or off. Automatic control incorporates electrical surge protection, rotatable pump connection and in-built check valve. Automatic control incorporates electrical surge protection, rotatable pump connection and in-built check valve.

***AS/NZS4020 Approved for Drinking Water***

BIANCO 2 YEAR PUMP WARRANTY



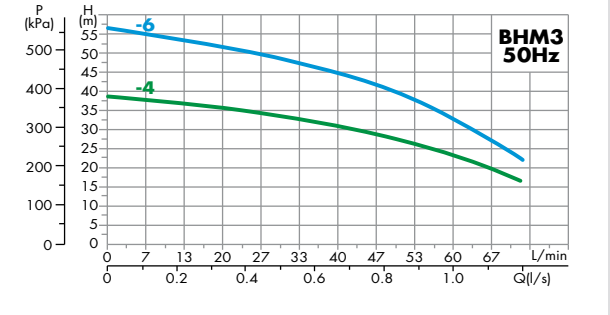

| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) 0 m L/m | 3 m L/m | 5 m L/m | 6 m L/m | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BIA-BHM3-4MPCX 802436 | 220 kPa 32 psi | 72 | 55 | 46 | 43 | 550W | 220-352 | 352 | 3.5 | 1" BSPF x 1" BSPM | 12 |
| BIA-BHM3-6MPCX 802437 | 220 kPa 32 psi | 72 | 55 | 46 | 43 | 750W | 220-548 | 548 | 5.5 | 1" BSPF x 1" BSPM | 15 |
| BIA-BHM5-4MPCX 802438 | 220 kPa 32 psi | 105 | 80 | 67 | 63 | 1000W | 220-372 | 372 | 3.7 | 1-1/4" BSPF x 1" BSPM | 16 |
| BIA-BHM5-6MPCX 802439 | 220 kPa 32 psi | 105 | 80 | 67 | 63 | 1300W | 220-548 | 548 | 5.5 | 1-1/4" BSPF x 1" BSPM | 20 |

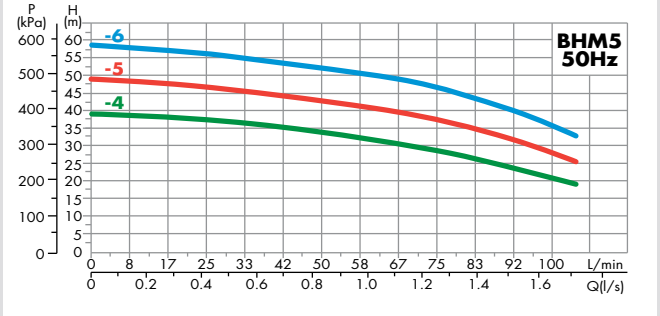
Note: The taps shown above have been calculated at 10 litres per minute.

BIA-BHM5-6MPCX

Pump is Approved for Drinking Water
AS/NZS 4020
Distributed by White International

## *Pressure Systems Performance Curves*




BHM3-4 BHM3-6 BHM5-4 BHM5-6

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# Surface Mounted Pumps

## iBHM Stainless Steel Horizontal Multistage VFD Pressure Systems

BIA-iBHM5-5-2V

***Variable Frequency Drive (iBHM)***

As a part of the Bianco iCON range of pumping products, the iBHM provides a completely integrated variable speed pumping solution. The integrated Variable Frequency Drive is equipped with an easy to use LCD display and is completely designed and built for controlling pump systems from the ground up. Providing both the ability to conserve energy through only operating the pump according to the speed required to maintain constant pressure and further allowing for multiple set points to be achieved straight out of the box makes the iBHM a leader in pump technology, and the best value for money option available.
VFD conserves energy and saves on power bills by only operating the pump at the speed required to maintain to required flow.

***Supplied with GWS PressureWave Tank***

- Extends pump life • Protects against heat expansion
- Reduces noise • 5 year GWS tank replacement warranty
- Stores energy • Watermark Approved
- Reduces pump starts • ATS5200-485-2006 Lic. 60044

BIANCO 2 YEAR PUMP WARRANTY

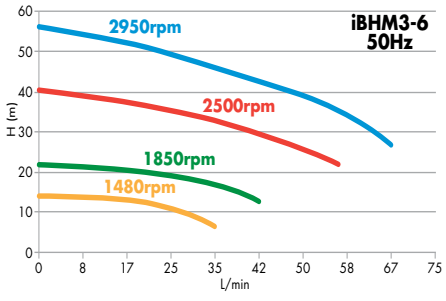
WaterMark

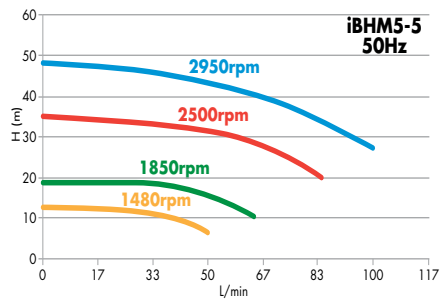
Pump is Approved for Drinking Water AS/NZS 4020 Distributed by White International

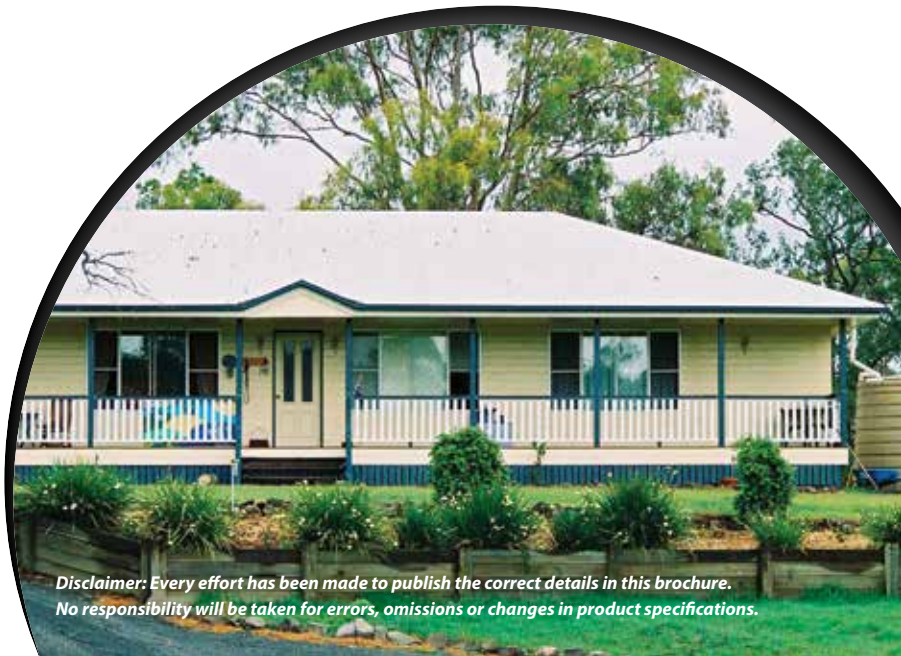
| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) 0 m L/m | 3 m L/m | 5 m L/m | 6 m L/m | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BIA-iBHM3-6-2L 803130 | 220 kPa 32 psi | 72 | 55 | 46 | 43 | 750W | Variable | 548 | 5.5 | 1"BSPF x 1"BSPM | 17 |
| BIA-iBHM5-5-2L 803131 | 220 kPa 32 psi | 105 | 80 | 67 | 63 | 1300W | Variable | 470 | 4.7 | 1-1/4"BSPF x 1"BSPM | 22 |

Note: The taps shown above have been calculated at 10 litres per minute.

### *Pressure Systems Performance Curves*



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# Surface Mounted

## Cast Iron Peripheral Turbine and Jet and Spear Point Pumps

The Bianco Series 2.0 end suction Peripheral Turbine Pump is an ideal device for low flow applications. They are especially suited for jacking pumps, commercial and industrial washdowns as well as domestic gardening. They are also ideal for tank water transfer. Suitable for clean water and in applications where there is flooded suction.

The Bianco Series 2.0 Jet and Spear Point Pump is a self-priming surface mounted cast iron jet pump supplied with plug and play leads. The Jet and Spear Point Pump is designed for domestic household water supply, water transfer, tank filling, garden and irrigation applications. The self-priming ability provides excellent suction capacity of up to 9m. ***AS/NZS 4020 Drinking Water Approved*** for consumer peace of mind.

Both Peripheral Turbine and Jet and Spear Point Pumps share the following features:

- Corrosion resistant pump body, diffuser and impeller to ensure pump durability
- Cataphoresis[1] treatment of pump body for rust prevention to ensure no water discoloration or suspended particles
- High quality mechanical shaft seal and high quality bearings
- 240V single phase TEFC motor with in-built auto reset thermal overload to prevent the pump from overheating.

[1] Cataphoresis is an electrochemical coating process for metallic surfaces widely used in the industry due to its penetration and long life, either as a priming coat or finished paint for corrosion resistance.

***AS/NZS4020 Approved for Drinking Water (not applicable to PTF Series)***

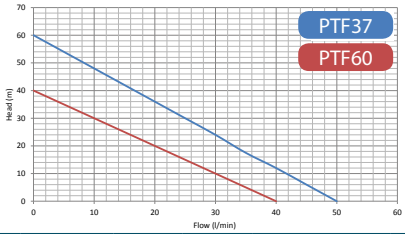
## Bare Pumps (without controls)

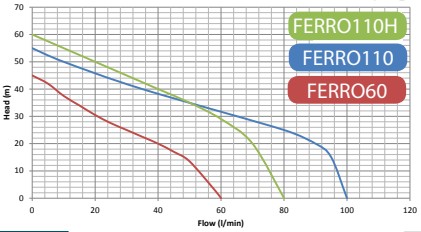
| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) 0 m L/m | 3 m L/m | 5 m L/m | 6 m L/m | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-PTF37M 802788** | 220 kPa 32 psi | 40 | 30 | 27 | 24 | 370W | - | 392 | 3.9 | 1" BSPF x 1" BSPF | 12 |
| **BIA-PTF60M 802790** | 220 kPa 32 psi | 50 | 38 | 32 | 30 | 600W | - | 587 | 5.9 | 1" BSPF x 1" BSPF | 12 |
| **BIA-FERRO60M 802792** | 220 kPa 32 psi | 58 | 44 | 37 | 35 | 600W | - | 441 | 4.4 | 1" BSPF x 1" BSPF | 14 |
| **BIA-FERRO110HM 802795** | 220 kPa 32 psi | 80 | 61 | 51 | 48 | 1100W | - | 587 | 5.9 | 1-1/4" BSPF x 1" BSPF | 25 |
| **BIA-FERRO110M 802798** | 220 kPa 32 psi | 100 | 76 | 64 | 60 | 1100W | - | 538 | 5.4 | 1-1/4" BSPF x 1" BSPF | 25 |

BIA-PTF

BIA-FERRO

Note: The taps shown above have been calculated at 10 litres per minute.




## Pressure Systems

| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) 0 m L/m | 3 m L/m | 5 m L/m | 6 m L/m | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-FERRO60MP 802794** | 220 kPa 32 psi | 58 | 44 | 37 | 35 | 600W | 150-350 | 441 | 4.4 | 1" BSPF x 1" BSPF | 18 |
| **BIA-FERRO110HMP 802797** | 220 kPa 32 psi | 80 | 61 | 51 | 48 | 1100W | 300-500 | 587 | 5.9 | 1-1/4" BSPF x 1" BSPF | 27 |
| **BIA-FERRO110MP 802800** | 220 kPa 32 psi | 100 | 76 | 64 | 60 | 1100W | 250-450 | 538 | 5.4 | 1-1/4" BSPF x 1" BSPF | 27 |

BIA-FERROMP

Note: The taps shown above have been calculated at 10 litres per minute.

***MP Pumps require pressure tank.***

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# Surface Mounted Pumps

BIANCO PUMPZ SERIES 2

DOMESTIC & HOUSEHOLD

BIANCO 2 YEAR PUMP WARRANTY

## Electronic Pressure Systems

The automatic electronic pump control fitted and wired starts and stops the pump automatically when a tap is turned on or off. Automatic electronic pump control provides constant pressure at low to full flows and provides dry run protection.

The auto restart looks for water if the pump runs out. Automatic control incorporates electrical surge protection, rotatable pump connection and in-built check valve. Corrosion resistant pump body, diffuser and impeller. Mechanical shaft seal. 240V single phase TEFC motor with in-built auto-reset thermal overload.

BIA-PTFMPCX

| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) | | | | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0m | 3m | 5m | 6m | | | | | |
| | | L/m | L/m | L/m | L/m | | | | | |
| BIA-PTF37MPCX 802789 | 220 kPa 32 psi | 40 | 30 | 27 | 24 | 220-392 | 392 | 3.9 | 1" BSPF x 1" BSPM | 12 |
| BIA-PTF60MPCX 802791 | 220 kPa 32 psi | 50 | 38 | 32 | 30 | 220-587 | 587 | 5.9 | 1" BSPF x 1"BSPM | 12 |
| BIA-FERRO60MPCX 802793 | 220 kPa 32 psi | 58 | 44 | 37 | 35 | 220-441 | 441 | 4.4 | 1-1/4" BSPF x 1"BSPM | 17 |
| BIA-FERRO110MPCX 802799 | 220 kPa 32 psi | 100 | 76 | 64 | 60 | 220-538 | 538 | 5.4 | 1-1/4" BSPF x 1"BSPM | 17 |

BIA-FERROMPCX

Note: The taps shown above have been calculated at 10 litres per minute.

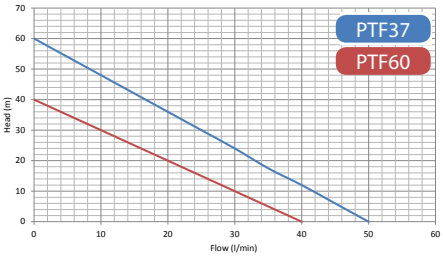
NEW TECHNOLOGY

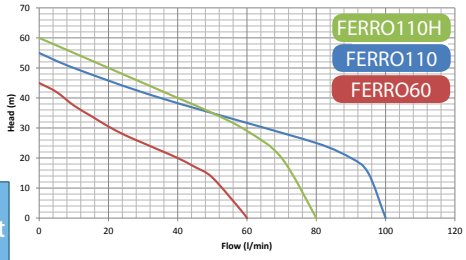
BIA-iFERRO110HM

The iFERRO uses an iPRESS advanced electronic pump controller. The BIA-iPRESS 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. Because of its design, there is no need for a separate pressure (expansion) tank. 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 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 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 enables the home owner full control of the pressure system. There is no need for a separate (expansion) pressure tank (except when used in mode 2).




| Model/Part No Pronto Code | Nominal Pressure | Total Suction Head (m) | | | | Rated Power | P/Switch Set (kpa) | Max. Pump kpa | Max. Pump Bar | Connections Inlet x Outlet | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 m | 3 m | 5 m | 6 m | | | | | | |
| | | L/m | L/m | L/m | L/m | | | | | | |
| BIA-iFERRO110HM 802796 | 220 kPa 32 psi | 80 | 61 | 51 | 48 | 1100W | adjustable | 587 | 5.9 | 32mm x 25mm | 27 |

Note: The taps shown above have been calculated at 10 litres per minute.

**Protect your pump from the elements.**
**Extend the working life...**
**cover your pump.**

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# Rainwater Harvesting Systems
# Bianco Rainsaver MK5

WaterMark

## Submersible Pressure Systems

Supplied with 10m power cable.
***AS/NZS4020 Approved for Drinking Water***
***2 Year Rainsaver MK5 Warranty***

| Model/Part No<br>Pronto Code | Description |
|---|---|
| **RS5-JH8003S2PC20<br>803805** | Rainsaver MK5 & BIA-JH8003S2PC20<br>High Head Multistage Submersible 800W Clean Water<br>Automatic. Rainwater/Mains changeover device with separate adjustable auto restart pump controller mounted in stainless steel enclosure.<br>8 Taps, 295 kPa, 80 L/m, 10m power cable |
| **RS5-B42AMPC20<br>800406** | Rainsaver MK5 & BIA-B42AMPC20<br>High Head Multistage Submersible 550W Clean Water<br>Automatic. Rainwater/Mains changeover device with separate adjustable auto restart pump controller mounted in stainless steel enclosure.<br>10 Taps, 320 kPa, 105 L/m, 10m power cable |

Note: Taps shown above have been calculated at 10 litres per minute.

RS5-B42AMPC20

## Surface Mounted Pressure Systems

Supplied as a kit for assembly.
***AS/NZS4020 Approved for Drinking Water***
***2 Year Rainsaver MK5 Warranty***

| Model/Part No<br>Pronto Code | Description |
|---|---|
| **RS5-TECHG60MPCX<br>803784** | Rainsaver MK5 & BIA-TECHG60MPCX<br>Technopolymer 450W Electronic Self Priming Pump with Auto Restart, 5 taps, 370kPa, 55L/m |
| **RS5-INOXG60MPCX<br>803785** | Rainsaver MK5 & BIA-INOXG60MPCX<br>Stainless Steel 450W Electronic Self Priming Pump with Auto Restart, 5 taps, 370kPa, 55L/m |
| **RS5-INOX60S2MPCX<br>803778** | Rainsaver MK5 & BIA-INOX60S2MPCX<br>Stainless Steel 600W Electronic Self Priming Pump with Auto Restart, 5 taps, 420kPa, 57L/m |
| **RS5-INOX90S2MPCX<br>803783** | Rainsaver MK5 & BIA-INOX90S2MPCX<br>Stainless Steel 750W Electronic Self Priming Pump with Auto Restart, 6 taps, 460kPa, 68L/m |
| **RS5-BHM5-6MPCX<br>803152** | Rainsaver MK5 & BIA-BHM5-6MPCX<br>Stainless Steel 1300W Multistage Electronic Pump with Auto Restart, 10 Taps, 560 kPa, 105 L/m |
| **RS5-iINOX90S2*<br>803786** | Rainsaver MK5 & BIA-iINOX90S2<br>Stainless Steel 750W Electronic Self Priming Pump with Auto Restart, start at 3 bar, 6 taps, 460kPa, 68L/m, 3 bar startng pressure. NEW TECHNOLOGY |

Note: Taps shown above have been calculated at 10 litres per minute.
*Pumps fitted with iPRESS controller for higher mains pressures.

RS5-INOX60S2MPCX

RS5-BHM5-6MPCX

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# Rainwater Harvesting Systems
# Bianco Rainsaver MK4E

## Bianco Rainsaver MK4E (803128)

Rainsaver MK4E Changeover Device.
**2 Year Rainsaver MK4E Infield Warranty**
Designed to operate with pumps up to 800kPa.
100L/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

***2 Year Rainsaver MK4E Warranty***

BIA-RAINSAVERMK4E

WaterMark

## Surface Mounted Pressure Systems

Supplied with 10m power cable.
***AS/NZS4020 Approved for Drinking Water***
***2 Year Rainsaver MK4E Warranty***

| Model/Part No<br>Pronto Code | Description |
|---|---|
| **RS4E-TECHG60MPCX<br>803791** | Rainsaver MK4E & BIA-TECHG60MPCX<br>Technopolymer 600W Electronic Self Priming Pump with Auto Restart, 5 taps, 370kPa, 55L/m |
| **RS4E-INOXG60MPCX<br>803792** | Rainsaver MK4E & BIA-INOXG60MPCX<br>Stainless Steel 600W Electronic Self Priming Pump with Auto Restart, 5 taps, 370kPa, 55L/m |
| **RS4E-INOX60S2MPCX<br>803793** | Rainsaver MK4E & BIA-INOX60S2MPCX<br>Stainless Steel 600W Electronic Self Priming Pump with Auto Restart, 5 taps, 420kPa, 57L/m |
| **RS4E-INOX90S2MPCX<br>803794** | Rainsaver MK4E & BIA-INOX90S2MPCX<br>Stainless Steel 750 Electronic Self Priming Pump with Auto Restart, 6 taps, 460kPa, 68L/m |
| **RS4E-BHM5-6MPCX<br>803151** | Rainsaver MK4E & BIA-BHM5-6MPCX<br>Stainless Steel 1300W Multistage Electronic Pump with Auto Restart, 10 Taps, 560kPa, 105L/m. |

Note: Taps shown above have been calculated at 10 litres per minute.

RS4E-INOXG60MPCX

RS4E-INOX60S2MPCX



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BIANCO PUMPZ

## Submersible Pressure Systems

Supplied with 10m power cable.
***AS/NZS4020 Approved for Drinking Water***
***2 Year Rainsaver MKK4E Warranty***

| Model/Part No<br>Pronto Code | Description |
|---|---|
| **RS4E-B42AMPCX**<br>**803143** | Rainsaver MK4E, WHI-SK13BA adjustable electronic controller & BIA-B42AMPCX High Head Multistage Submersible 550W Clean Water Pump with built in riser. Automatic. Rainwater/Mains Water Changeover Device with seperate adjustable auto restart pump controller mounted in stainless steel enclosure.<br>10 Taps, 320kpa, 105 L/m, 10m power cable |
| **RS4E-B42AMPCXBP**<br>**803144** | **Builder's Pack**<br>Rainsaver MK4E, SK10AX-Y electronic controller & BIA-B42AMPCX<br>High Head Multistage Submersible 550W<br>Clean Water Pump with built in riser. Automatic Rainwater/ Mains Water Changeover Device with auto restart pump controller are mounted in a galvanised enclosure with easy access cover.<br>10 Taps, 320kpa, 105 L/m, 10m power cable |
| **RS4E-JH8003S2MPCX**<br>**803803** | Rainsaver MK4E, WHI-SK13BA adjustable electronic controller and BIA-JH8003S2PC20. High Head Multistage Submersible 800W Clean Water Pump. Automatic. Rainwater/Mains Water Changeover Device with separate adjustable auto restart pump controller mounted in stainless steel enclosure.<br>8 Taps, 300kPa, 83 L/m, 10m power cable |
| **RS4E-JH8003S2MPCXBP**<br>**803804** | **Builder's Pack**<br>Rainsaver MK4E, SK10AX-Y electronic controller and BIA-JH8003S2PC20.<br>High Head Multistage Submersible 800W Clean Water Pump. Automatic.<br>Rainwater/Mains Water Changeover Device with auto restart pump controller mounted in galvanised enclosure with easy access cover.<br>8 Taps, 300kPa, 83 L/m, 10m power cable |

Note: Taps shown above have been calculated at 10 litres per minute.

RS4E-B42AMPCX

RS4E-JH8003S2MPCXBP

Pump is Approved for Drinking Water
AS/NZS 4020
Distributed by White International

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

# Submersible Pumps

BIANCO PUMPZ SERIES 2

WASTE WATER & DRAINAGE

## Stainless Vortex Pump

Designed to pump water with some organic content. Capable of pumping non-abrasive solids in suspension up to 35mm particle size.

BIANCO 12 MONTH PUMP WARRANTY

BIA-Q550B

***Special features:***

- Pump solids up to 35mm
- 10m electrical cord
- Light weight
- Easy to use
- No bucketing required
- Stainless Steel shaft

| Model/Part No Pronto Code | Body Material | Max Granule Size | Max Flow (L/m) | Flow at 2m (L/m) | Flow at 4m (L/m) | Flow at 6m (L/m) | Max Head | Rated Power | Cable Length | Discharge Outlet Size (Multiple) | Carton Dimensions (L x W x H)mm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-Q550B 700835** | Stainless Steel | 35mm | 168 | 150 | 105 | 40 | 7m | 550W | 10m | 1" 1¼" 1½" | 220x180x420 |

## Vortex Pumps

(non abrasive liquids with soft solids in suspension ie: leaves and stringy materials)

BIANCO 12 MONTH PUMP WARRANTY

Vortex drainage pumps are designed to pump water with some organic content. Capable of pumping non-abrasive solids in suspension up to 35mm particle size.

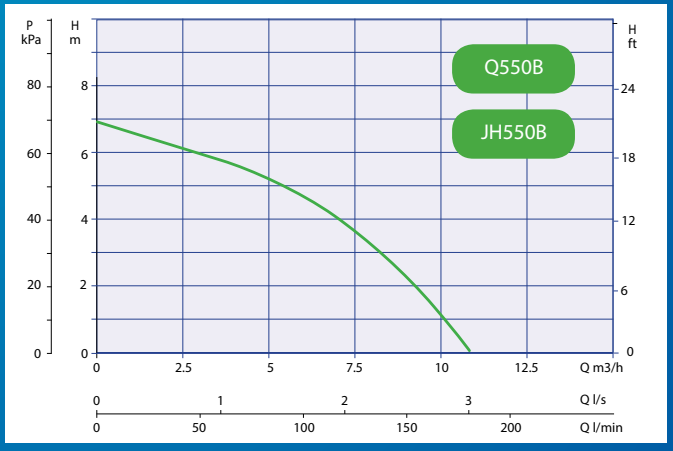
***Special features:***

- Simple installation
- Instructions included
- Light and compact
- Fully automatic operation
- Great value for money
- Handle particles up to 35mm in size
- Supplied complete with 10 metres of electric cable
- 12 months warranty
- Not suitable for construction sites, ponds, fountains or biotreatment

BIA-JH550BS2

| Model/Part No Pronto Code | Body Material | Max Granule Size | Max Flow (L/m) | Flow at 2m (L/m) | Flow at 4m (L/m) | Flow at 6m (L/m) | Max Head | Rated Power | Cable Length | Discharge Outlet Size (Multiple) | Carton Dimensions (L x W x H)mm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-JH550BS2 803070** | Plastic | 35mm | 168 | 150 | 105 | 40 | 7m | 550W | 10m | 1" 1¼" 1½" | 220x180x420 |

### *Submersible Pump Performance Curves*

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# Submersible Pumps

## Drainage Pumps

Drainage pump models are designed for de-watering tasks including pumping out sumps, flooded areas and pumping water from pits etc.

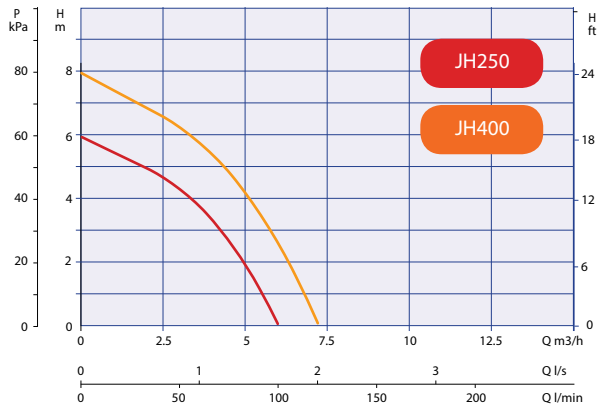
***Special features:***

- Simple installation
- Instructions included
- Light and compact
- Fully automatic operation
- Great value for money
- Supplied complete with 10 metres of electric cable
- 12 months warranty
- Not suitable for construction sites, ponds, fountains or biotreatment.

BIA-JH250GS2

| Model/Part No Pronto Code | Body Material | Max Granule Size | Max Flow (L/m) | Flow at 2m (L/m) | Flow at 4m (L/m) | Flow at 6m (L/m) | Max Head | Rated Power | Cable Length | Discharge Outlet Size (Multiple) |
|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-JH250GS2 803301** | Plastic | 5mm | 100 | 80 | 50 | 0 | 6m | 250W | 10m | 1" 1¼" 1½" |
| **BIA-JH400S2 803067** | Plastic | 5mm | 117 | 100 | 75 | 45 | 8m | 400W | 10m | 1" 1¼" 1½" |

### *Submersible Pump Performance Curves*



BIA-JH400S2

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# Submersible Drainage Pump

Designed for AWTS

**The pump is a submersible drainage pump fitted with noryl impellers, raised stainless steel slotted strainer to inhibit growth of algae and 83mm built in riser. The pump can handle particles up to 3mm.**

***Special features:***

- Glass filled noryl pump body and impellers for durability
- Fully automatic operation.
- Dual mechanical seals (silicon carbide/ceramic on motor side and carbon ceramic in oil bath on pump side)
- Carry handle for ease of transport
- 240V single phase motor with in-built auto reset thermal overload.
- 10m of power cable.
- Dewatering of cellars, garages etc.
- Suitable for septic and aerobic waste treatment systems
- Pumping clean or slightly dirty water
- Flows to 105L/m
- Heads to 32 m

***AS/NZS4020 Approved for Drinking Water***

Pump is Approved for Drinking Water AS/NZS 4020 Distributed by White International

BIANCO 2 YEAR PUMP WARRANTY

BIA-B42A

| Liquid: | |
|---|---|
| Clean water temperature range | 2 – 35 deg C |

| Materials: | |
|---|---|
| Pump body | Glass filled nylon |
| Strainer | 304 SS |
| Impeller | Glass filled nylon |
| Shaft | Stainless Steel 410 |
| Shaft seal | Dual mechanical seals (silicon carbide/ceramic on motor side and carbon ceramic in oil bath on pump side) |

| Installation: | |
|---|---|
| Maximum ambient temperature | 40 deg C |
| Pipe connections discharge | 1" BSPF |

| Electrical data: | |
|---|---|
| Rated voltage | 240V |
| Mains frequency | 50 Hz |
| Rated output | 550W |
| Current | 4.0 amps |
| Capacitor | 20 uF |
| Motor duty | Continuous |
| Motor type | Asynchronous |
| Motor protection | In-built thermal overload |
| Ingress protection | IP 68 |
| Insulation class | F |
| Power cable length | 10 m H07RNF |
| Net weight | 12 kg |
| Dimensions (Pump) | 171L x 162W x 461H (mm) |

BIA-B42AMPCX

HR MPCX Cover

MPCX Bracket

## Submersible Pressure System

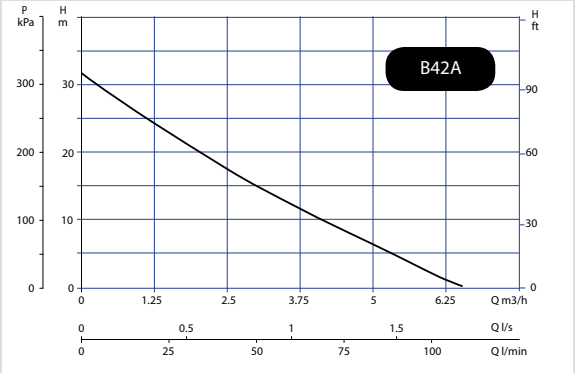
### Ideal for domestic water supply

MPCX model includes SK13BA prewired and mounted on a stainless steel wall bracket. Complete with cover.

BIANCO 2 YEAR PUMP WARRANTY

| Model/Part No<br>Pronto Code | Description |
|---|---|
| **BIA-B42A**<br>**711924**<br><br>**BIA-B42AMPCX**<br>**711567** | 0.55kW, 0.75hp, 240V, max hd 32m,<br>max flow 105L/m, discharge outlet size 1", solids up to 3mm, 10 taps |

### *Submersible Pumps Performance Curve*



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# Drainage Pumps

## Drainage Pump with Internal Float Switch (clean water use)

Light and compact submersible clean water pump.Supplied wired and ready to install. Ideal for pits or confined spaces where floats do not work. Incorporates float on/off switch for manual and automatic level control. The pump has an internal float switch which will not foul and allows for installation in small sumps. (min size 260mm x 160mm x 330mm deep). When switched to manual mode, the scavenger type base allows pumping down to 5mm. 12 Months Warranty. Not suitable for construction sites, ponds, fountains or bio-treatment.

Pump Dimensions: 203 x 321mm

| Model/Part No Pronto Code | Body Material | Max Granule Size | Max Flow (L/m) | Flow at 2m (L/m) | Flow at 4m (L/m) | Flow at 6m (L/m) | Max Height | Rated Power | Cable Length | Discharge Outlet Size (Multiple) |
|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-JH40011S2 803068** | Plastic | 5mm | 115 | 100 | 72 | 32 | 7.5m | 400W | 10m | 1" 1¼" 1½" |

BIA-JH40011 S2

## High Head Pump for rainwater tanks and clean water

Light and compact high head submersible clean water pump supplied wired and ready to install. The pump has sufficient pressure to operate as a pressure system pump when wired to a suitable pump controller. 12 Months Warranty. Not suitable for construction sites, ponds, fountains or bio-treatment systems. Designed specifically for drinking water.

***Special features:***

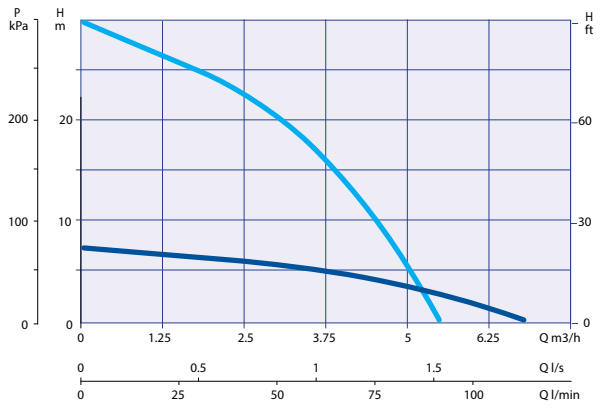
- High Head, flows to 83 L/m
- Corrosion resistant body
- Fully automatic operation
- Silicon Carbide Mechanical Seal
- Motor with built in auto reset thermal overload
- Supplied complete with10 metres of electrical cable
- Pump Dimensions: 164 x 150 x 337mm

***AS/NZS4020 Approved for Drinking Water***

| Model/Part No Pronto Code | Body Material | Max Granule Size | Max Flow (L/m) | Flow at 10m | Flow at 20m | Flow at 25m | Max Height | Rated Power | Cable Length | Discharge Outlet Size (Multiple) |
|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-JH8003S2 803069** | Stainless Steel | 0.5mm | 90 | 75 | 45 | 25 | 30m | 800W | 10m | 1" 1¼" 1½" |

BIA-JH8003S2

### *Submersible Pumps Performance Curve*




JH8003S2

JH40011S2

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# Vortex Drainage Pumps

BIA-B25VAS2

The B Series Vortex Pumps are characterised by:

- Cast iron pump body for durability
- Automatic float switch
- Triple seal system: Dual Mechanical Seal (carbon/ceramic) and oil sealHandy carry handle
- Includes universal hose tail adapter
- 240V single phase motor with in-built thermal protection
- 10m H07RNF neoprene chemical and oil resistant cable

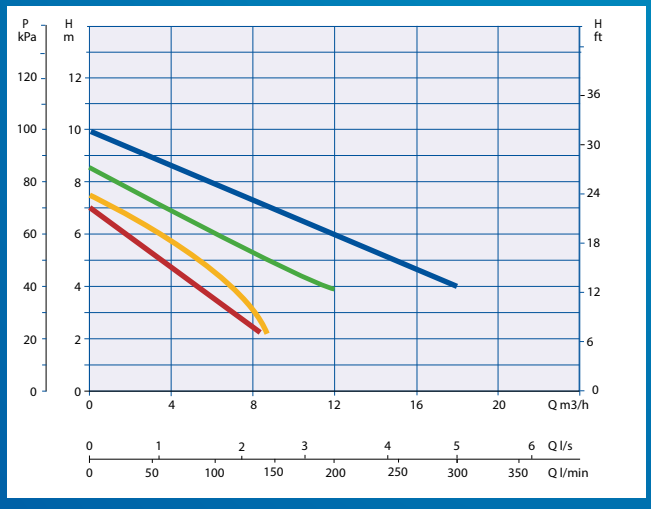
For use in:

- Dewatering of cellars, ditches, pits, ponds and drains
- Pumping stormwater and waters with non-abrasive soft solids, hair and stringy materials in suspension
- Ideal for greywater pump out and flooded irrigation, sump emptying, septic transfer and pumping of light slurries.
- Particle sizes up to 15mm (B18VAS2, B25VAS2), up to 25mm (B45VAS2, B75VAS2)

BIA-B75VAS2

| Model/Part No Pronto Code | Mains Frequency | Rated Output | Current | Net Weight | Max Head | Max Flow | Discharge Outlet Size |
|---|---|---|---|---|---|---|---|
| **BIA-B18VAS2 802766** | 50 Hz | 180W | 1.6amp | 9.3kg | 7m | 133 L/m | 1¼" |
| **BIA-B25VAS2 802767** | 50 Hz | 250W | 1.8amp | 10kg | 7.5m | 150 L/m | 1¼" |
| **BIA-B45VAS2 802768** | 50 Hz | 450W | 3.7amp | 18kg | 8.5m | 200 L/m | 2" |
| **BIA-B75VAS2 802769** | 50 Hz | 750W | 4.5amp | 20kg | 10m | 300 L/m | 2" |

## *Pump Performance Curves*




B18VAS2

B25VAS2

B45VAS2

B75VAS2

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# Waste Water / Sewage Pumps

BIANCO PUMPZ SERIES 2

BIA-B120GS2

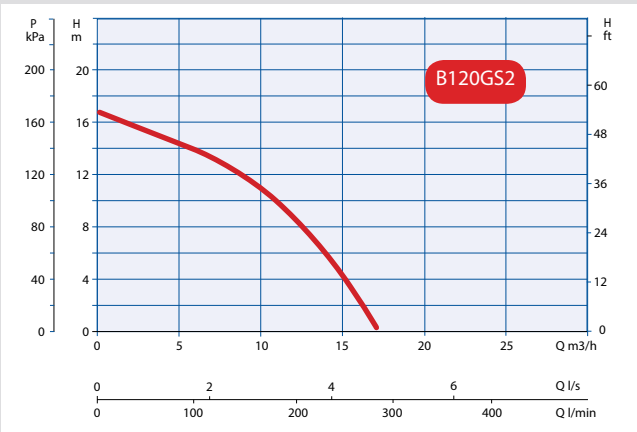
The B120GS2 & B120GMS2 is a new generation grinder pump for use in waste water applications containing soft solids. The pump is designed to grind various materials for pumping to sewer mains or treatment facility. It has a dual ceramic/graphite mechanical seal and H07RNF neoprene chemical and oil resistant power cable. The grinding device is replaceable and manufactured from high chromium hardened stainless steel for reliability and long life. Coupling device available for rail mounting:

***Applications:***

- Grey & Black Water Pumping
- Sump Emptying
- Septic effluent and sewage disposal
- Pumping of waste water with soft solid in suspension

| Model/Part No Pronto Code | Description | Mains Frequency | Rated Output | Current | Net Weight | Max Head | Max Flow | Discharge Outlet Size | Cable Length |
|---|---|---|---|---|---|---|---|---|---|
| **BIA-B120GS2 802770** | **With Float** | 50Hz | 1500W | 9.5amp | 27kg | 17m | 283 L/min | 2" | 10m |
| **BIA-B120GMS2 803150** | **Without Float** | 50Hz | 1500W | 9.5amp | 27kg | 17m | 283 L/min | 2" | 10m |

## *Pump Performance Curves*

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# Waste Water / Sewage Pumps

## Positive Displacement Grinder Pump

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 Waranty

***Special features:***

- Cast iron pump body for durability under harsh conditions
- Available in single phase annd 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 wastewaters
- Perfect for low pressure sewer applications
- Packaged Pump Stations also available

PDG Series

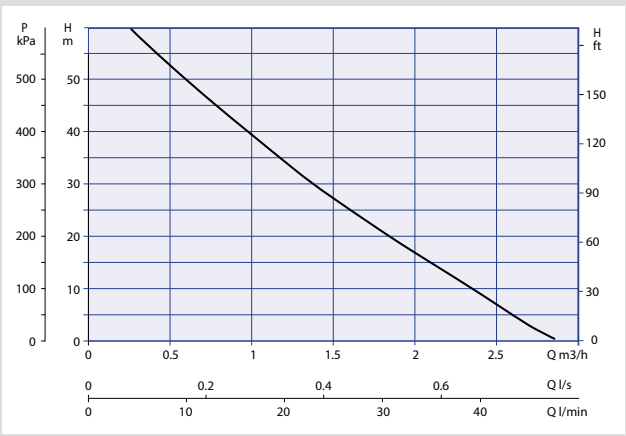
Stator & Rotor

Cutter Impeller

Grinding Ring

| Model/Part No Pronto Code | Rated Power | Mains Frequency | Rated Output | Current | Net Weight | Max Head | Max Flow | Float | Operation | Cable Length | Discharge Outlet Size | Pump Dimensions (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BIA-PDG150M 800587** | 240V | 50 Hz | 1100W | 11amp | 40kg | 50m | 50 l/m | No | Manual | 10m | 1 - 1/4" | 407Lx316Hx720W |
| **BIA-PDG150MA 800252** | 240V | 50 Hz | 1100W | 11amp | 40kg | 50m | 50 l/m | Yes | Automatic | 10m | 1 - 1/4" | 407Lx316Hx720W |
| **BIA-PDG150T 800589** | 415V | 50 Hz | 1100W | 4amp | 40kg | 50m | 50 l/m | No | Manual | 10m | 1 - 1/4" | 407Lx316Hx720W |
| **BIA-PDG150TA 800588** | 415V | 50 Hz | 1100W | 4amp | 40kg | 50m | 50 l/m | Yes | Automatic | 10m | 1 - 1/4" | 407Lx316Hx720W |

### *Positive Displacement Grinder Pump Performance Curve*




PDG150

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# Light Construction Pumps

The pump is a submersible drainage pump fitted with semi vortex, eurethane coated impeller plus agitator, supplied wired and ready to install.
The pump has a dual mechanical seal in oil chamber and can handle particles to 25 mm x 10mm.

***Special features:***

- Corrosion resistant pump components.
- Fully automatic operation.
- Dual Mechanical Seal in oil bath, SIC/SIC, Carbon Ceramic.
- Eurethane 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.
- Carry handle.
- Versatile outlet connection.
- 240V single phase motor with in-built auto reset thermal overload.
- 10m of power cable.
- 12 months warranty.
- Suitable for construction sites, storm water, basements.
- Eurethane strainer resists damage

BIA-AHS05A

Agitator

Abrasive Resistant Impeller

DUPONT Hytrel®
Best material for abrasive liquid

| Model/Part No Pronto Code | Flows to | Max Head |
|---|---|---|
| BIA-AHS05A 700282 | 220 L/m | 12m |
| BIA-AHS10A 700301 | 350 L/m | 18m |
| BIA-LAYFLATKIT 700755 | 20m Layflat Hose | |

BIA-LAYFLATKIT

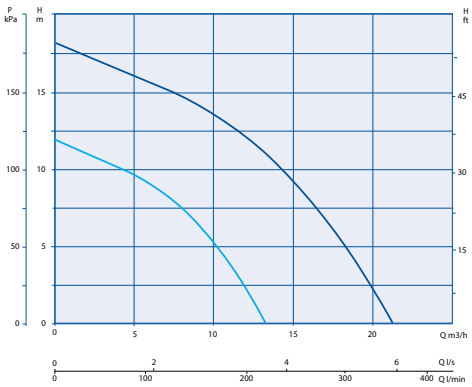
| Liquid: | |
|---|---|
| Water temperature range: | 2 – 35 deg C |

| Materials: | |
|---|---|
| Pump body | Cast Iron |
| Strainer | Eurethane |
| Impeller | Eurethane coated semi vortex |
| Shaft | Stainless Steel 403 |
| Shaft seal | Dual Mechanical in oil bath, Silicon Carbide/Silicon Carbide + Carbon/Ceramic |

| Installation: | |
|---|---|
| Maximum ambient temperature: | 40 deg C |
| Maximum submergence: | 8m. |
| Pipe connections discharge: | 2" |

| Electrical data: | AHS05A | AHS10A |
|---|---|---|
| Rated voltage: | 240V, 50Hz | 240V, 50Hz |
| Rated output | 400 W | 750 W |
| Current: | 2.8 amps | 5.6 amps |
| Capacitor: | 12 uF | 20 uF |
| Motor duty: | Continuous | Continuous |
| Motor protection: | In-built thermal overload | In-built thermal overload |
| Ingress protection: | IP 68 | IP 68 |
| Insulation class: | F | F |
| Power cable length: | 10 m H07RNF | 10m H07RNF |
| Net weight: | 13.0 kg | 15.5 kg |
| Maximum particle size: | 25 x 10 mm | 25 x 10 mm |
| Warranty: | 12 Months | 12 Months |

## *Performance Curve*




AHS05A AHS10A

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# Centrifugal Pumps

## Cast Iron Centrifugal Pumps

The pumps are horizontal single stage* cast iron centrifugal pumps supplied ready to install. Used especially for water transfer. (*FCT is twin stage)

***The pumps are characterised by:***

- Corrosion resistant cast iron pump body and bracket cover with cataphoresis[1] treatment, and 304 stainless steel impeller and shaft.
- Mechanical shaft seal.
- TEFC motors.
- Motor support foot.

***Applications:***

Suitable for industrial wash down, water transfer and tank filling.
Suitable for fire fighting, HVAC, circulation and pressure boosting.

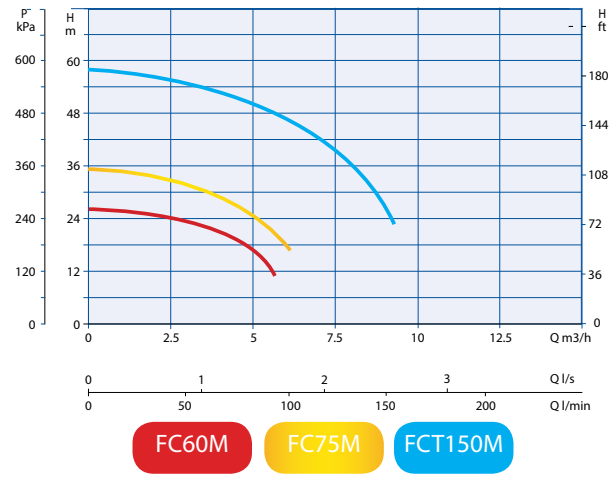
[1]Cataphoresis is an electrochemical coating process for metallic surfaces widely used in the industry due to its penetration and long life, either as a priming coat or finished paint for corrosion resistance.

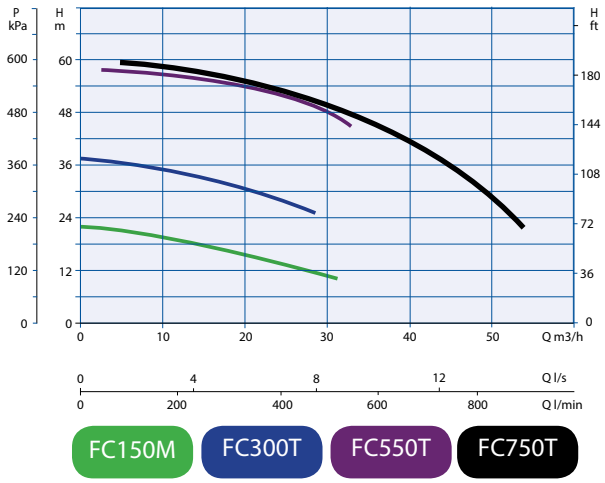
BIA-FC300T

| Model/Part No Pronto Code | Features |
|---|---|
| **BIA-FC60M 802804** | 0.6kW, 0.8hp, 240V, max hd 27m, max flow 90L/m. Ports 1" BSPF In, 1" BSPF Out. |
| **BIA-FC75M 802805** | 0.75kW, 1.0hp, 240V, max hd 36m, max flow 100L/m. Ports 1" BSPF In, 1" BSPF Out. |
| **BIA-FC150M 802806** | 1.5kW, 2.0hp, 240V, max hd 22m, max flow 500L/m. Ports 2" BSPF In, 2" BSPF Out. |
| **BIA-FC150T 802807** | 1.5kW, 2.0hp, 415V, max hd 22m, max flow 500L/m. Ports 2" BSPF In, 2" BSPF Out. |
| **BIA-FCT150M 802816** | 1.5kW, 2.0hp, 240V, max hd 57m, max flow 160L/m. Ports 1-1/2" BSPF In, 1" BSPF Out. |
| **BIA-FC300T 802808** | 3.0kW, 4.0hp, 415V, max hd 38m, max flow 450L/m. Ports 2" BSPF In, 2" BSPF Out |
| **BIA-FC550T 802809** | 5.5kW, 7.5hp, 415V, max hd 54m, max flow 500L/m. Ports 2" BSPF In, 2" BSPF Out |
| **BIA-FC750T 802810** | 7.5kW, 10hp, 415V, max hd 56m, max flow 900L/m. Ports 2" BSPF In, 2" BSPF Out. |

BIANCO 12 MONTH PUMP WARRANTY

### *Performance Curves*



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# Centrifugal Pumps

## Close Coupled, Stainless Steel, Single Stage Centrifugal Pumps

Suitable for water circulation, car washing, tank emptying, gardening, fountains, irrigation and vat washing.

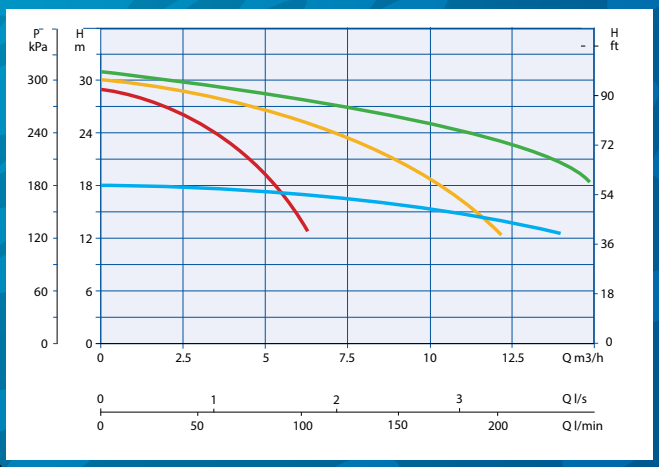
***Special Features:***

- Light weight
- Noiseless and reliable operation
- High Performance
- Water temperature up to 85°C
- Constructed from AISI 304 Stainless Steel
- Corrosion resistant

BIA-BLC70-055S2

| Model/Part No<br>Pronto Code | Features |
|---|---|
| **BIA-BLC70-55S2<br>802812** | 0.55kW, 0.75hp, 240V, max hd 29m, max flow 100L/m, Ports 1 1/4" BSPF In, 1" BSPF Out |
| **BIA-BLC120-110S2<br>802813** | 1.1kW, 1.5hp, 240V, max hd 30m, max flow 200L/m, Ports 1 1/4" BSPF In, 1" BSPF Out |
| **BIA-BLC210-220S2<br>802814** | 2.2kW, 3.0hp, 415V, max hd 30m, max flow 330L/m, Ports 1 1/2" BSPF In, 1 1/4" BSPF Out |
| **BIA-BLC210-75S2<br>802815** | 0.75kW, 1.0hp, 415V, max hd 17m, max flow 280L/m, Ports 1 1/2" BSPF In, 1 1/4" BSPF Out |

### *Performance Curves*




70-055 120-110 210-220 210-75

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# Circulator Pumps

## BIA-C2060-150 and BIA-C2580-180

These pumps are used for domestic hot water circulating. The stainless steel housing makes them suitable for drinking water use and underfloor heating. They are maintenance free and is low in noise. Comes complete with unions.

| Model/Part No Pronto Code | Max Op Pressure | Port Spacing | Port Size | Max Hd | Rated Power | Max Flow | Mains Frequency | Speeds | Power Cable |
|---|---|---|---|---|---|---|---|---|---|
| **BIA-C2060-150 802778** | 10 bar | 150mm | 1 1/4" BSPM with 1 1/4" BSPF - 3/4" BSPF unions | 6m | 100W | 75L/min | 50Hz | 1,2,3 55W,70W,100W | 1m |
| **BIA-C2580-180 802779** | 10 bar | 180mm | 1 1/2" BSPM with 1 1/2" BSPF - 1" BSPF unions | 8m | 245W | 130L/min | 50Hz | 1,2,3 135W, 190W, 245W | 1m |

BIA-C2580-180

## BIA-C1509-160 Booster

This is a pump used for domestic hot water boosting. The booster is suitable for boosting pressure for gravity fed hot water systems. It is maintenance free and is low in noise. Comes complete with unions.

| Model/Part No Pronto Code | Max Operating Pressure | Port Spacing | Port Size | Max Hd | Rated Power | Max Flow | Mains Frequency | Power Cable |
|---|---|---|---|---|---|---|---|---|
| **BIA-C1509-160 803064** | 10 bar | 160mm | 3/4" BSPM with 3/4" BSPF - 1/2" BSPM unions | 9m | 120W | 30L/min | 50Hz | 1m |

BIA-C1509-160

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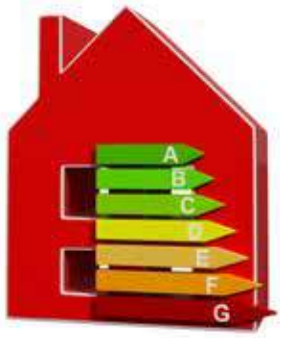
# Circulator Pumps

## iCIRC Circulator

This is a pump used for domestic hot water circulating. The stainless steel housing makes it suitable for underfloor heating. It is maintenance free and is low in noise. Comes complete with unions.
The integrated variable speed drive automatically adapts the circulator to each system's demand, only operating the pump at the necessary speed to run the system. This energy efficient circulator also has the highest efficiency rating **'A'** in the industry, saving customers money all day every day.

| Model/Part No Pronto Code | Max Operating Pressure | Port Spacing | Port Size | Max Hd | Rated Power | Max Flow | Mains Frequency | Power Cable |
|---|---|---|---|---|---|---|---|---|
| **BIA-iCIRC 802777** | 10 bar | 150mm | 1 1/2"BSPM with 1 1/2"BSPF - 1"BSPF unions | 6m | 45W | 50L/min | 50Hz | 1m |




A

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# Pool Pumps

This self priming pump comes pre wired and ready to install.

- Comes standard with in built thermal overload
- One piece strainer housing of corrosion proof reinforced thermoplastic for durability
- Heavy duty high performance motor for quieter, cooler operation
- Carbon ceramic seals
- Easy to remove lid for ease of inspection and servicing
- Comes complete with barrel unions (except CLP5001)
- Electrical Approval Numbers: TUV017280/1EA, TUV017281/1EA, NSW23665

| Model/Part No | BIA-SPP250 | BIA-SPP550 | BIA-SPP750 | BIA-SPP1100 |
|---|---|---|---|---|
| Pronto Code | 803816 | 802111 | 802137 | 802163 |
| Max Flow (L/min) | 175 | 277 | 360 | 450 |
| Max Head (m) | 6.5 | 12 | 16 | 18 |
| Inlet/Outlet Ports (mm) | 40 | 40 | 50 | 50 |
| P2 (Power) (W) | 190 | 550 | 750 | 1100 |
| Rated Current (A) | 1.5 | 3.5 | 4.5 | 6.5 |
| Capacitor (uF) | 10 | 25 | 30 | 30 |
| Net Weight (kg) | 6.4 | 9.9 | 13.5 | 15.2 |
| Rated Voltage (V) | 240 | | | |
| Mains Frequency (Hz) | 50 | | | |
| Motor Duty | Continuous | | | |
| Motor Type | Asynchronous, TEFC | | | |
| Motor Protection | In-built thermal overload | | | |
| Ingress Protection | IP X5 | | | |
| Insulation Class | F | | | |

BIA-SPP550

BIA-SPP750



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# iPOOL

## iPOOL Variable Speed Drive

The iCON iPOOL1150 is a variable speed drive to ehance the performance of single phase 240V swimming pool pumps up to 1.5kW, 7A.
The iCON iPOOL provides the ability to conserve energy through only operating the pump according to the speed required to maintain filtration. Programmable vacuuming time and speed.
VFD with 8 programmable speed settings
Equipped with an easy to use LCD display and is completely designed and built for controlling swimming pool pumps.
IP 55. Mounting bracket and plug and play leads included.

BIA-iPOOL

| Model/Part No Pronto Code | Description |
|---|---|
| **BIA-iP00L 802681** | 1.5kW, 2.0hp, 240V, Programmable Variable Frequency Drive. |

## Pump and Variable Speed Drive Package

Kit comprising SPP1100 swimming pool pump and iPOOL plug and play Variable Freqency Drive supplied with mounting plate suit pump or wall mounting. Unlike 3 speed variable frequency drive pumps, the iSPP1100 is programmed for extended priming and backwashing. iSPP1100 automatically operates at low speed for low energy consumption for efficient filtration without the need to remove suction cleaners.

| Model/Part No Pronto Code | Description |
|---|---|
| **BIA-iSPP1100 803822** | 1.1kW, 1.5hp, 240V, max hd 18m, max flow 450L/m.<br>Ports 50mm PVC<br>Approval TUV017281EA/1<br>VFD control supplied separately for pump or wall mounting. |

BIA-iSPP1100

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# Pool & Spa Filters

## Cartridge Filters

BIA-SCF Series
This attractive, hard wearing filter head may be rotated to conveniently position pressure gauge and air relief.

- Chemical resistant tank body
- Easy to clean cartridge
- Extra large cartridge element to provide maximum flow
- Elevated, filtered water collector and debris sump collector prevents heavy debris and unwanted solids to pool when cartridge is removed for heavy cleaning.
- Comes complete with barrel unions.

| Model/Part No Pronto Code | Effective Filtration Area | Flow Rate | Net Weight | Port Size | Max Temp. | Max Working Pressure |
|---|---|---|---|---|---|---|
| **BIA-SCF25 802212** | 25ft² | 95L/min | 5.2kg | 40mm | 50°C | 340 kPa |
| **BIA-SCF70 802213** | 70ft² | 265L/min | 7.3kg | 40mm | 50°C | 340 kPa |
| **BIA-SCF100 802214** | 100ft² | 379L/min | 8.3kg | 40mm | 50°C | 340 kPa |

## Sand Filters

BIA-SSF Series
Flange clamp design allows any rotation of valve to plumbing

- Corrosion proof and UV stabilised filter tank moulded of rugged material for dependable
- all weather performance
- Specifically designed drain for ease of serviceability
- Precision designed self cleaning laterals for balanced flow, bankwasing and ease of
- service
- Comes complete with barrel unions.
- Suitable for use with Zeolite filter media
- 10 YEAR WARRANTY ON TANKS
- 2 YEAR WARRANTY ON COMPONENTS

| Model/Part No Pronto Code | Effective Filtration Area | Flow Rate | Net Weight | Sand Required | Port Size | Max Temp. | Max Working Pressure |
|---|---|---|---|---|---|---|---|
| **BIA-SSF19 802215** | 2.1ft² | 159L/min | 10.5kg | 80kg | 40mm | 50°C | 340 kPa |
| **BIA-SSF24 802216** | 3.14ft² | 235L/min | 16kg | 136kg | 40mm | 50°C | 340 kPa |
| **BIA-SSF31 802217** | 4.9ft² | 371L/min | 31kg | 230kg | 50mm | 50°C | 340 kPa |

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# Pumps & Filters

## Selecting the right pump and filter for your pool...

To select the right pump for your pool, you need to calculate your pool's volume. This will ensure that your pool runs at an optimal level, resulting in fewer problems, easier maintenance, lower energy costs and longer equipment life.
The following tables provide a helpful guide:

| Volume | Model/Part No<br>Pronto Code | Sand Filter | Cartridge Filter |
|---|---|---|---|
| 0 to 27,000 Litres | BIA-SPP250<br>803816 | n/a | n/a |
| 27,000 to 49,000 Litres | BIA-SPP550<br>802111 | BIA-SSF19 | BIA-SCF25 |
| 50,000 to 65,000 Litres | BIA-SPP750<br>802137 | BIA-SSF24 | BIA-SCF70 |
| 65,000 to 110,000 Litres | BIA-SPP1100<br>802163 | BIA-SSF31 | BIA-SCF100 |

Note: A domestic pool should have its volume turned over in 6 hours or less. A commercial pool/motel should be turned over in 4 hours or less.

| Pool Volume | Circular Above Ground Pools |
|---|---|
| 4m x 0.9m | 11,300 Litres |
| 4.5m x 0.9m | 14,000 Litres |
| 4.5m x 1.2m | 19,000 Litres |
| 5.5m x 1.2m | 29,000 Litres |
| 6m x 1.2m | 34,000 Litres |
| 7m x 1.2m | 46,200 Litres |
| To calculate diameter x diameter x depth x 785.5 = litres | |

| Pool Volume | Rectangular Pools |
|---|---|
| 6m x 4m x 1.4m | 33,600 Litres |
| 7m x 4m x 1.4m | 39,200 Litres |
| 8m x 4m x 1.4m | 44,800 Litres |
| 9m x 4.5m x 1.4m | 56,700 Litres |
| 10m x 4.5m x 1.4m | 63,000 Litres |
| 11m x 4.5m x 1.4m | 69,300 Litres |
| 12m x 5m x 1.4m | 84,000 Litres |
| 12m x 6m x 1.4m | 100,800 Litres |
| 15m x 6m x 1.4m | 126,000 Litres |
| 15m x 7.5m x 1.4m | 157,500 Litres |
| 1.4m = average depth<br>To calculate length x width x average depth x 1000 = litres | |

The Bianco Range of pool pumps provides strong and quiet pumping performance in a compact, easy to install package.
All pumps are electrically approved for safe installation in the pool zone TUV017281EA.
Each pump carries a Bianco Pumpz 2 Year Warranty.

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# Accessories

BIA-SK6

WHI-6BARPS

BIA-SK12(5M)
BIA-SK12(10M)
BIA-FSK1

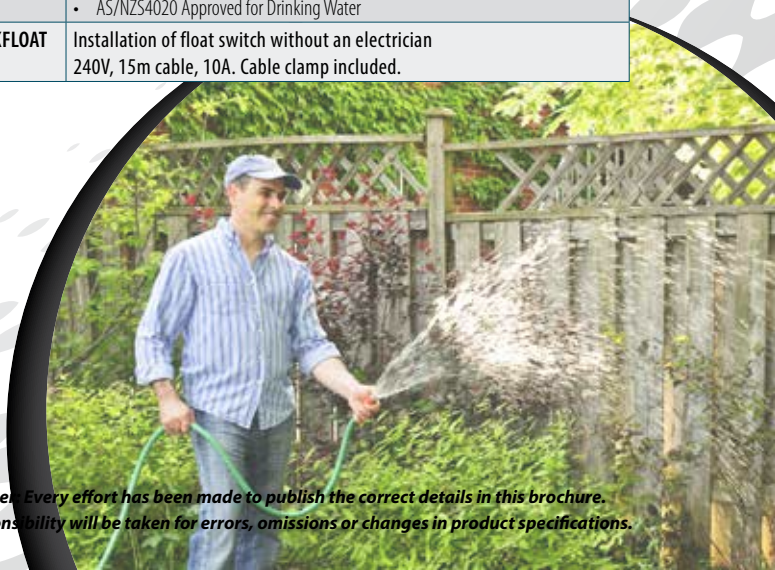
BIA-SK12CWB

WHI-SK10PPHS2

BIA-iPRESS

WHI-SK13BA

| Model/Part No<br>Pronto Code | Description |
|---|---|
| **BIA-SK6**<br>**700968** | Loss of Prime Pressure Switch<br>• Pressure switch setting: 1 - 6 Bar<br>• Factory setting: 1.4 - 2.8 Bar<br>• 240V, 1ph, IP44<br>• Connection: 6mm (1/4") BSP |
| **BIA-SK9A**<br>**700969** | Adjustable Pressure Switch 6 Bar<br>• Stainless steel back plate<br>• Pressure switch setting: 1 - 6 Bar<br>• Factory setting: 1.4 - 2.8 Bar<br>• 240V, 1ph, IP44<br>• Connection: 6mm (1/4") BSP |
| **WHI-6BARPS**<br>**803162** | 6 Bar Pressure Switch Kit<br>• 3 in one 5 way connector, pressure switch and pressure gauge<br>• 25mm inlet/outlet<br>• Includes Plug and Play leads, NRV<br>• Single Phase 240V |
| **BIA-SK12(5M)**<br>**700965** | 5 Metre Float Switch with H05 Neoprene Cable<br>• 240V, 1ph, 10 A max, "3 wire", IP68<br>• Max 50 deg C |
| **BIA-SK12(10M)**<br>**700962** | 10 Metre Float Switch with H05 Neoprene Cable<br>• 240V, 1ph, 10 A max, "3 wire", IP68<br>• Max 50 deg C |
| **BIA-FSK1**<br>**700610** | 10 Metre Float Switch with H07 Neoprene Cable<br>• 240V, 1ph, 16 A max, "3 wire", IP68<br>• Max 50 deg C |
| **BIA-SK12CWB**<br>**700967** | Float Switch Counterweight<br>• 200g - float switch counterweight featuring cable gland fixing |
| **BIA-iPRESS**<br>**802776** | NEW TECHNOLOGY<br>Pressure Controller<br>• The BIA-iPRESS is a device used to control electric 240V pumps of 2.2kW or less.<br>• The controller monitors both the pressure and the flow.<br>• 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. |
| **WHI-SK10PPHS2**<br>**711941** | Auto Restart Automatic Pump Controller Plug & Play (IEC)<br>• 240V, 1ph, 10A max, 1.5kW, 2.0hp, IP65, Ports 1" BSPM<br>• Cut in pressure setting 1.5 Bar<br>• AS/NZS4020 Approved for Drinking Water |
| **WHI-SK20PPHS2**<br>**711942** | Auto Restart Automatic Pump Controller Plug & Play (IEC)<br>• 240V, 1ph, 10A max, 1.5kW, 2.0hp, IP65, Ports 1" BSPM<br>• Cut in pressure setting 2.2 Bar<br>• AS/NZS4020 Approved for Drinking Water |
| **WHI-SK10AXHS2**<br>**711943** | Auto Restart Automatic Pump Controller Plug & Play (3 pin socket)<br>• 240V, 1ph, 10A max, 1.5kW, 2.0hp, IP65, Ports 1" BSPM<br>• Cut in pressure setting 1.5 Bar<br>• AS/NZS4020 Approved for Drinking Water |
| **WHI-SK13BA**<br>**710845** | Adjustable Auto Restart Controller Plug & Play (3 pin socket)<br>• 240V, 1ph, 10 A max, 1.1kW, 1.5hp, IP65, Ports 1" BSPM<br>• Adjustable cut in pressure setting 1.5 -3.0 Bar<br>• AS/NZS4020 Approved for Drinking Water |
| **WHI-PIGGYBACKFLOAT**<br>**802669** | Installation of float switch without an electrician<br>240V, 15m cable, 10A. Cable clamp included. |



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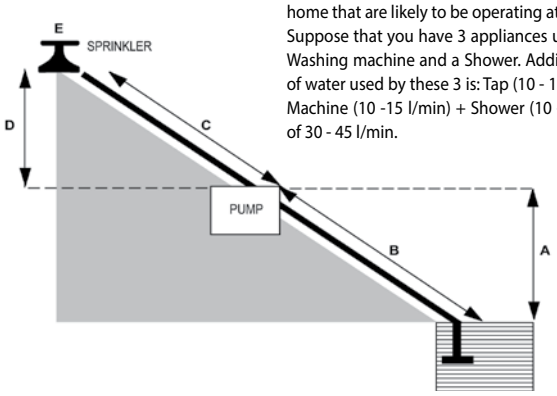
# Pump Selection Guide

| Appliances likely to operate at once* | | ✔ |
|---|---|---|
| Toilet | 9 l/min | ☐ |
| Shower | 10 - 15 l/min | ☐ |
| Water Saving Shower Head | 6 - 7 l/min | ☐ |
| Household Tap | 10 - 15 l/min | ☐ |
| Dishwasher | 15 l/min | ☐ |
| Washing Machine | 10 - 15 l/min | ☐ |
| Garden Hose | 20 l/min | ☐ |
| Lawn Sprinkler | 10 - 15 l/min | ☐ |

*Add up the amount of water used by all appliances in your home that are likely to be operating at the same time, i.e. Suppose that you have 3 appliances used at once = Tap, Washing machine and a Shower. Adding up the amount of water used by these 3 is: Tap (10 - 15 l/min) + Washing Machine (10 -15 l/min) + Shower (10 -15 l/min) = TOTAL of 30 - 45 l/min.




| Water Pressure Systems | ✔ | | ✔ |
|---|---|---|---|
| Cottage 10 - 20 l/min | ☐ | Small House 20 - 30 l/min | ☐ |
| Medium House 30 - 50 l/min | ☐ | Large House 50 - 90 l/min | ☐ |

| Requirements | ✔ | | ✔ | | ✔ | | ✔ |
|---|---|---|---|---|---|---|---|
| Household Pressure | ☐ | Garden Sprinkler/s | ☐ | Wash Down | ☐ | Drainage | ☐ |
| Tank Filling | ☐ | Irrigation | ☐ | Sewage | ☐ | | |

| Water Source | ✔ | | ✔ | | ✔ | | ✔ |
|---|---|---|---|---|---|---|---|
| Dam | ☐ | Bore | ☐ | Spearpoint | ☐ | Tank | ☐ |
| Aboveground | ☐ | Inground | ☐ | River | ☐ | Town Mains** | ☐ |

**If mains are different times of the day, require 3 seperate pressures.

| Application (see diagram) | |
|---|---|
| - Suction Pipe | |
| A) Height from water to pump .....mtrs | Type ..... |
| B) Pipe Length .....mtrs | Type ..... |
| Diameter of Pipe.....mm | Class of Pipe ..... |
| - Delivery Pipe | |
| C) Pipe Length .....mtrs | Type ..... |
| Diameter of Pipe.....mm | Class of Pipe ..... |
| D) Height from Pump to Discharge .....mtrs | E) Demand Pressure .....kpa |

| Total Output Required .....l/m Number of outlets to be used at once: ..... | | |
|---|---|---|
| Flow Required .....l/m | Delivery Head .....mtrs | Total Delivery Head .....mtrs |
| Demand Pressure .....kpa | Friction Head .....mtrs | Add Demand Pressure .....mtrs (if required) |
| Suction Head .....mtrs | Total Suction Head .....mtrs | |



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