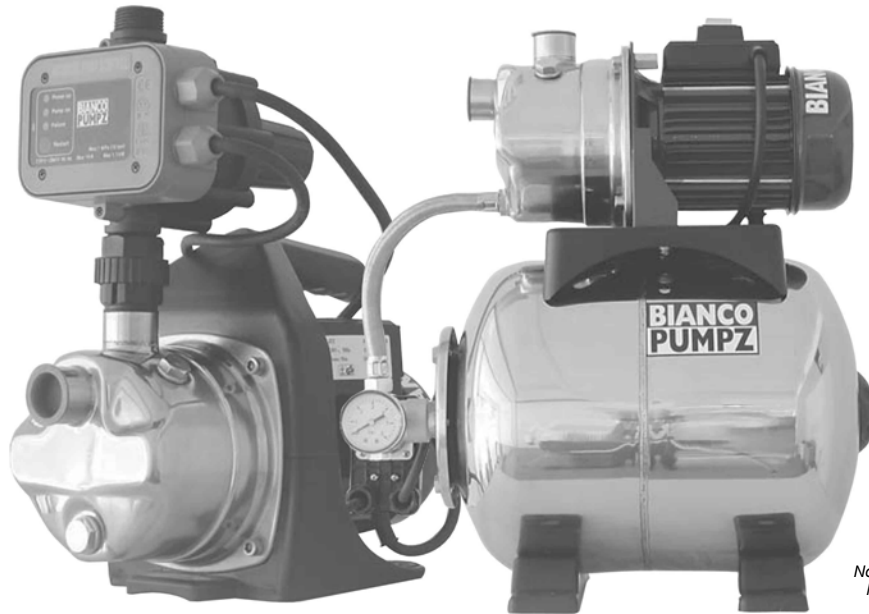


# **BIANCO PUMPZ**

## **Domestic Water Supply Pressure Pumps**



*Note: PT pumps no longer available*

### **Instructions and Warranty**




BIA 102006.2


# Bianco Automatic Pressure Control Pumps


## BIA- INOX 60 PC BIA- INOX 80 PC and BIA- INOX 120 PC


### Instruction manual

#### Safety precautions

This symbol    together with one of the following words "Danger" or "Warning" indicates the risk level deriving from failure to observe the prescribed safety precautions:

**DANGER**  Warns that failure to observe the precautions involves a risk of electric shock

**DANGER**  Warns that failure to observe the precautions involves a risk of damage to persons and/or things.

**WARNING**  Warns that failure to observe the precautions involves the risk of damaging the pump and/or the plant.

#### 1. General information

These instructions are designed to ensure the correct installation and best use of our automatic constant water pressure assemblies.


If you have any doubts, please consult your specialist dealer.

The assemblies are quiet and are designed to provide an automatic supply of clean water to one dwellings.


If water consumption is greater than 3 l/min the pump will operate continuously.

By strictly following the instructions for installation and use of the pump, and paying careful attention to the wiring diagrams, you will avoid the possibility of overloading the control circuit or of any other problems associated with misuse, for which we can accept no responsibility.


When the pump reaches maximum pressure, the unit automatically switches the pump off. Unit selection must take into account the fact that the differential must be over 140 kPa.

 – The INOX 60 PC INOX 80 PC and INOX 120 PC are not intended for use by young children or infirm persons without supervision  
– Young children should be supervised to ensure they do not play with the pump.


#### 2. Installation

 The pump should be protected from the risk of flooding and installed in a sheltered but well ventilated place. If the pump to which the Auto controller is connected is then directly connected to the mains supply, it must be remembered that the incoming pressure must be added to that provided by the pump. Total pressure may not exceed 8 bar. It can be fitted to any installation that has sufficient water supply.  
See installation diagrams.


#### 3. Suction pipe work assembly

 The suction pipe should be a minimum diameter of 25mm, maximum diameter of 32mm. If a suction lift is required as per fig 4, a foot valve is recommended on the end of the suction line.

#### 4. Discharge pipework assembly


 The discharge pipework diameter should be equal to or larger than that of the pump discharge. The discharge pump should not be supported by the pressure unit and should be checked for watertightness. We recommend the use of a flexible anti vibration hose on the discharge as direct connection to rigid pipework can transmit sound.

#### 5. Electrical connection

 Nominal pump current should be no higher than 10 A and the maximum motor power (P1) should never exceed 1.8 kW.

Ensure that all the connections between the electronic circuit and the power and motor cables are properly made. To ensure correct connection see the wiring diagram(Fig. 3) The protection of the system should include a 30mA RCD residual current device. The supply cable should comply with EEC standards (2) or be of type H07 RN-F as per VDE 0620.

#### 6. Controls prior to start-up


 Before starting the pump ensure:  
That the grid voltage and frequency match those featured on the specification plate.

That the pump shaft turns freely.

That the pump body is completely full of water. Fill by unscrewing the corresponding priming plug.

THE PUMP SHOULD NEVER BE OPERATED DRY.  
SEE INSTALLATION DIAGRAMS.

#### 7. Start-up

 Open all valves in the suction and discharge lines. Switch on the power and the pump will start automatically. While doing so, leave the discharge tap open to bleed any air that may be in the system. Then close the tap, the pump will shut down when it reaches maximum pump pressure.  
Verify the motor is rotating clockwise, checked from the fan cover (Fig. 2).

If the pump is not properly primed or there is no water supply, it will shut down after 30 seconds. Once the water level is recovered and the pump has been properly primed, repeat the start up operation, this time holding in the red reset button for a few seconds. If the pump does not operate, does not produce pressure or does not shut down, try to discover the cause of the problem consulting the troubleshooting guide provided.

#### 8. Maintenance

INOX 60 PC INOX 80 PC and INOX 120 PC require no specific maintenance. Notwithstanding, we recommend that they be emptied when temperatures are low and there is a risk of freezing or if the unit is not to be used for a long period, of time. If the unit is not to be used for a very long period it should be cleaned and stored in a dry, well ventilated place.

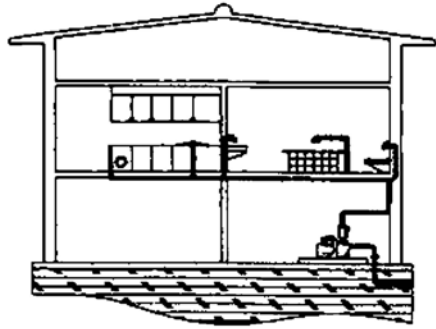


Fig. 5

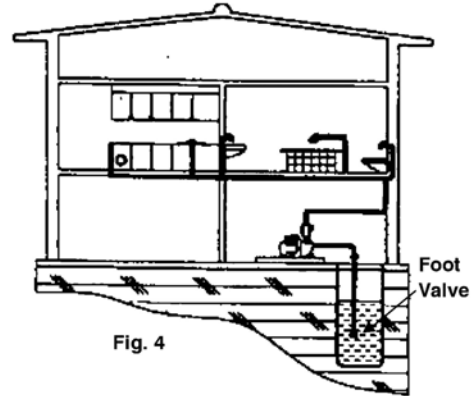
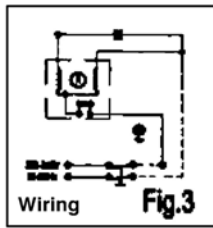
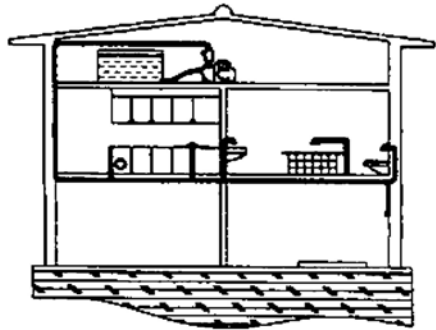


Fig. 4



Wiring Fig.3

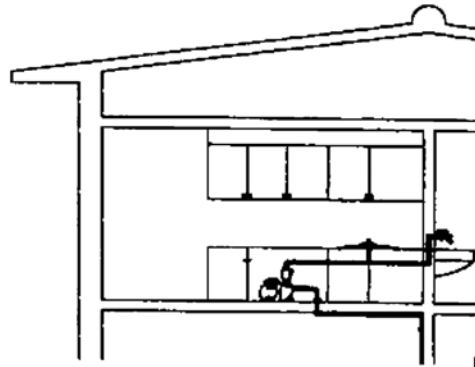
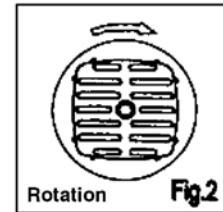
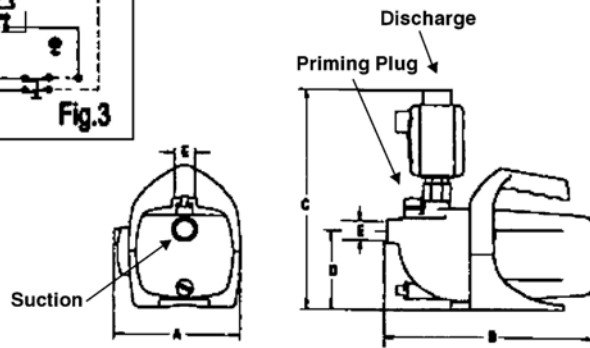


Fig.1



Rotation Fig.2

230V 50Hz	Q Max. (m <sup>3</sup> /h)	Hmax. (m)	A1~ 230V	C-uF	P1 (KW)	IP	$\eta$ (%)	dBA $\pm 1$	A (mm)	B (mm)	C (mm)	D (mm)	E
BIA-INOX60PC	2.2	33	2.6	12	0.6	44	33	<70	210	358	285	138	1"
BIA-INOX80PC	2.6	41	3.0	16	0.8	44	33	<70	210	358	285	138	1"
BIA-INOX120PC	3.0	44	3.5	20	1.2	44	40	<70	210	358	285	138	1"

See pump nameplate  
 Liquid Temperature 4°C min 35°C max  
 Storage Temperature -10° min +55° max  
 Relative Air Humidity 95% max

## Troubleshooting table

- 1) The pump does not shut down.
- 2) The motor operates but provides no flow.
- 3) The pressure is not sufficient.
- 4) The pump is constantly stopping and starting.
- 5) The pump does not start.

1	2	3	4	5	Causes	Solutions
	x				Closed gate valve	Open valve
x			x		Tap or cistern leak	Repair leak
				x	Pump blocked	Call service engineer
		x			Total head height too high	Check geometric head plus loss of pressure due to friction
x	x	x			Air entering suction channel	Carefully seal all joints and connectors
				x	No power	Check fuses. Turn power on
x		x			Leak in discharge pipework	Repair leak
				x	The static head is greater than the assembly pressure	Check start-up setting is correct

### BIANCO PUMPZ

Model: BIA-INOX120PC	N.1
Q 5-50 l/m H 41-10 m	1.6HP
Hmax 43 m Hmin10m	
240 V	3.5 A 50Hz
2800 1/min IP 44 I.C.L.F 20 uF 450V	
Distributed by: White International Pty Ltd Made in China	

### BIANCO PUMPZ

Model: BIA-INOX60PC	N.1
Q 4-36 l/m H 30-10 m	0.8HP
Hmax 32 m Hmin10m	
240 V	2.6 A 50Hz
2800 1/min IP 44 I.C.L.F 12 uF 450V	
Distributed by: White International Pty Ltd Made in China	

### BIANCO PUMPZ

Model: BIA-INOX80PC	N.1
Q 5-43 l/m H 38-10 m	1.1HP
Hmax 40 m Hmin10m	
240 V	3 A 50Hz
2800 1/min IP 44 I.C.L.F 16 uF 450V	
Distributed by: White International Pty Ltd Made in China	

## Pump Performance

Model	Nominal Pressure	Total Suction Head / Metres				P/Switch Set kpa	Max.Pump kpa	Connections Inlet x Outlet (mm)	Package Dimensions	Weight
		0	3	5	6					
BIA-INOX60PC 	150kpa 22psi	36	28	24	21	150 - 340	340	25mm x 25mm	490x210x260	9.1kg
BIA-INOX80PC 	150kpa 22psi	43	34	28	25	150 - 340	400	25mm x 25mm	490x210x260	9.5 kg
BIA-INOX120PC 	150kpa 22psi	50	39	33	29	150-500	500	25mm x 25mm	490x210x260	9.8kg

*Note: The above taps have been calculated at 8 Litres per minute.*



## 2 YEAR WARRANTY\*

**PRESSURE SYSTEMS ONLY**

**TERMS & CONDITIONS**

(Subject to the provisions of the Trade Practices Act and Goods, Consumer Protection Legislation and Consumers Guarantee Act NZ throughout Australia and New Zealand)

- 1) White International Pty Ltd / White International NZ Ltd warrants that the Bianco Pumpz pressure systems that we distribute, are free from defects in workmanship and materials, for 2 YEARS from the date of purchase. Subject to the conditions of the warranty White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand.
- 2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against freezing, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline.
- 3) The 2 YEARS warranty refers only to all **BIANCO Pumpz Pressure Systems** sold after the 1st July 2004, and is not transferable to another BIANCO pump and only applies to the original owner, purchaser or end user, and is subject to the Trade Practises Act and Goods, Consumer Protection legislation and Consumers Guarantee Act NZ throughout Australia and New Zealand.
- 4) Our warranty commences from the date of purchase of the above mentioned pumps.  
Proof of purchase is required before consideration under warranty is given.  
Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase: \_\_\_\_\_

Model Purchased: \_\_\_\_\_



**WHITE INTERNATIONAL PTY LTD**  
A.B.N. 48 000 119 380  
52-60 Ashford Ave, MILPERRA NSW 2214  
(PO Box 4755 MILPERRA BC NSW 1891)  
Ph 02 9783 6000 Fax 02 9783 6001  
CUSTOMER SERVICE HOTLINE 1300 783 601  
CUSTOMER SERVICE FAXLINE 02 9783 6003

**WHITE INTERNATIONAL NZ Ltd**  
138 Hugo Johnston Drive,  
PENROSE, AUCKLAND, NZ  
(PO Box 12704 Penrose Auckland)  
Ph 09 579 9777 Fax 09 579 7775  
CUSTOMER SERVICE HOTLINE 0800 509 506  
CUSTOMER SERVICE FAXLINE 0800 804 344

WEBSITE: [www.whiteint.com.au](http://www.whiteint.com.au)

EMAIL: Sales Enquiries: [sales@whiteint.com.au](mailto:sales@whiteint.com.au)

General info enquiries: [info@whiteint.com.au](mailto:info@whiteint.com.au)

BIAPRESSURE SYSTEMS11/2004

# **BIANCO PUMPZ**



**White International Pty Ltd. A.B.N. 48 000 119 380**  
**PO Box 4755 Milperra BC NSW 1891 Australia.**  
**Sales Hotline 1300 783 601 Sales Fax (02) 9783 6003**  
**[www.whiteint.com.au](http://www.whiteint.com.au)**

**White International NZ Ltd**  
**PO Box 12704 Penrose, Auckland, New Zealand**  
**Sales Hotline 0800 509 506 Sales Faxline 0800 804 344**  
**[www.whiteint.co.nz](http://www.whiteint.co.nz)**