



# Submersible Pump

**BIA-Q550B**





Please read these operating instructions carefully before starting the pump and keep this manual in a safe place. Use these operating instructions to familiarise yourself with your pump, its proper use and the safety instructions.



### Attention

For safety reasons, children under the age of 16 and people not familiar with these operating instructions must not use this pump. The appliance (pump) is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

Please keep the operating instructions in a safe place

## 1. Where to Use the Pump

The pump is intended for private use around the house and garden. It is primarily intended for drainage purposes if flooding occurs but also for transferring water to and from tanks and pumping them out, from drawing water from wells and shafts, for draining boats and yachts and for circulating water for limited periods.

Liquid conveyed:

The pump is suitable for conveying: dirty water with a max. particle size of 35 mm.

The pump can be fully submerged and can be lowered down to a depth of 7m into the water.

The pump must not be installed in swimming pools.



### Attention

The pump is not intended for long term use (e. g. use for continuous circulation) in a pond. The length of life of the pump will be shortened accordingly if used in this way.

Corrosive (chemicals, cleaning fluids etc...), flammable or explosive substances (e.g. petrol, paraffin, cellulose thinners); grease, oil, salt water and sewage must not be pumped.

The pH of water must be between 6.5 and 8.5. The temperature of the liquid conveyed may not exceed 35 °C.

Protect the 3 pin plug and power cable away from heat, oil and sharp edges.

Do not expose the pump to frost.

Do not operate the pump without water.

## **2. Safety Instructions**



Attention: Please read the following carefully.

Before starting up the pump make sure that:

The pump must not be used when people are in the water.

Make sure that the electrical plug and socket connections are fitted in an area which cannot flood. Protect power plug from moisture.

Check if there is any damage to the pump, especially to the cable and plug. A damaged pump mustn't be used any way.

A power point (10 amp) should be provided by a qualified electrician, and a residual current device with a nominal trip current of 30mA should be installed in compliance with the requirements of AS 3000.

The mains supply voltage matches the voltage indicated on the pump identification plate.

## **3. Correct Operation of the Pump**

Never carry the pump by its cable and do not pull the cable to disconnect it. For submerging, lifting or securing the pump, fix a rope to the pump's carrying handle.

Do not pull out the power cable from the socket as a method of turning the pump off.

Before operating the pump, check the outlet and the inlet of the pump for any debris that may clog the pump. Clear the outlet and the inlet when needed.

## **4. Automatic Pump Protection**

Thermal motor protector: The pump is automatically switched off if the pump is overheated by the built-in thermal motor protector. After having cooled down, the motor automatically switches on again.

Automatic Air bleed valve: The automatic air bleed valve eliminates any air pockets in the pump.

During this process, air escapes through the plastic plug on the pump and air bubbles appear underwater. This is not a defect of your pump, but serves to remove air from the pump. It may take several seconds for the air to escape when the pump is immersed for the first time.

Refer Figure 1

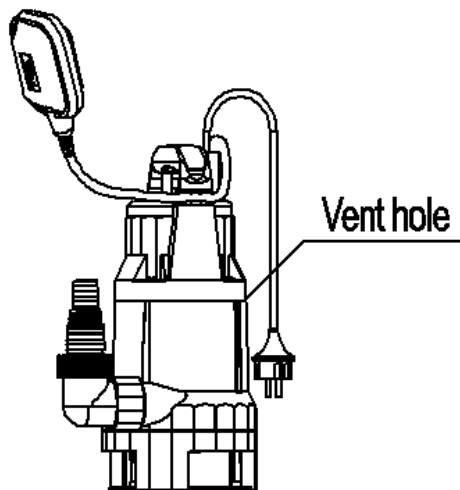


Figure 1

## 5. Pump Operation

Automatic operation of the float switch:

Please refer to Figure 2

The float switch 4 turns the pump on automatically when the water level exceeds the cut-in height and the water is pumped out. The float switch 4 turns the pump off again as soon as the water level falls below the cut-out height

(a) Stand the pump on a firm surface or use a rope attached around the carrying handle (6) to immerse the pump in a well or shaft.

(b) During automatic operation, ensure that the float switch (4) can move freely.

Plug the power cable (3) into a mains socket.

Adjusting the Cut-in and Cut-out Height: Push the cable of the float switch (4) into the float switch lock (5). Do not select a cable length that is too long or short to ensure that the float switch (4) can turn on and off properly.



### Attention

The cable length between the float switch (4) and the float switch lock (5) must always be at least 10 cm.

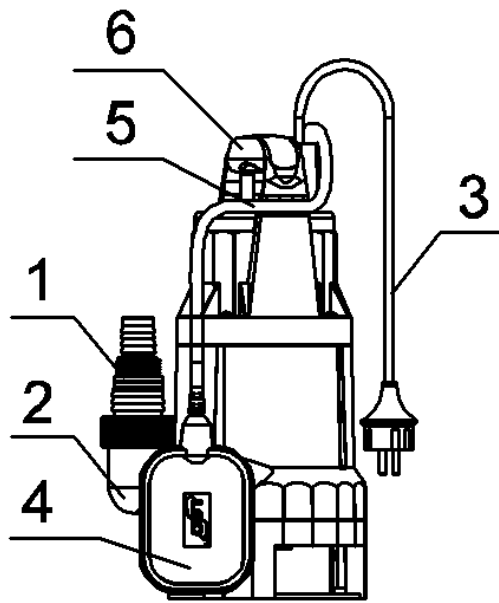


Figure 2

## 6. Pump Storage and Disposal

Storage: Clean and store the pump in a frost-free place and away from the elements

Disposal: The product must not be added to normal household waste. It must be disposed of in line with

## 7. Trouble Shooting



### Attention

Ensure pump is disconnected from the mains power supply before doing any maintenance to the pump.

Fault	Cause	Remedies
The pump won't start.	<ul style="list-style-type: none"> <li>- No mains supply</li> <li>- Blown fuse or tripped breaker</li> <li>- Impeller jammed</li> <li>- Pump has turned off on thermal cut out</li> <li>- Float switch locked in down position</li> <li>- Insufficient water level</li> </ul>	<ul style="list-style-type: none"> <li>- Check that power is available and switch is on</li> <li>- Replace or reset fuse</li> <li>- Disconnect power and clean impeller area</li> <li>- Allow time for pump to reset</li> <li>- Free the float switch and move pump. Float switch must be 45 degrees above horizontal to operate pump</li> </ul>
There is no or low flow coming out of the pump	<ul style="list-style-type: none"> <li>- Strainer or impeller blocked by debris</li> <li>- Airlock in discharge pipework</li> <li>- Discharge hose is bent or kinked</li> <li>- Damage caused by dirty or abrasive water</li> <li>- Excessive friction loss or excessive delivery head</li> </ul>	<ul style="list-style-type: none"> <li>- Clean base and impeller from debris</li> <li>- Ensure pump body is filled with water</li> <li>- Straighten discharge hose</li> <li>- Clean pump</li> <li>- Increase pipe size and increase pump size.</li> </ul>
The pump will not turn off	<ul style="list-style-type: none"> <li>- Float switch jammed up</li> <li>- Excessive friction loss or delivery head</li> </ul>	<ul style="list-style-type: none"> <li>- Free switch and move pump</li> <li>- Increase pipe size and increase pump size.</li> </ul>
The pump stops after working for a short time.	Thermal overload has tripped	<ul style="list-style-type: none"> <li>- Ensure impeller is not clogged</li> <li>- Ensure water temperature is below 35 deg C</li> <li>- Ensure pump not operating on extension lead</li> <li>- Ensure pump not operating at low flow</li> </ul>

## 8. Technical Data

Technical Data	BIA-Q550B
Absorbed power	550W
Capacitor size	4uF/450V
Type of protection	IPX8
Insulation Class	F
Suction fitting	1.5"
Maximum flow rate	10m <sup>3</sup> /hr
Maximum head	6
Maximum depth of immersion	7
Maximum size of pumped particles	35mm
Maximum temperature of pumped fluid	35°C



## White International Pty Ltd Limited Product Warranties

### TERMS & CONDITIONS

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand:

- 1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. 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 if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.
- 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 the elements, 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 on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepaid.
- 3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.
- 4) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to:
  - (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3<sup>rd</sup> party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and
- 6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.
- 7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3<sup>rd</sup> party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.
- 8) 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**  
ABN 48 000119380  
52-60 Ashford Ave, MILPERRA NSW 2214  
PO BOX 304, MILPERRA LPO NSW 2214  
Ph: 02 9783 6000 Fax: 02 9783 6001  
Customer Service Hotline: 1300 783 601  
Customer Service Faxline: 02 9783 6003  
EMAIL: Sales Enquiries: [info@whiteint.com.au](mailto:info@whiteint.com.au)

**WHITE INTERNATIONAL NZ LTD**  
15G Kerwyn Avenue, EAST TAMAKI, AUCKLAND, NZ  
PO BOX 12704, PENROSE, AUCKLAND  
Ph: 09 579 977 Fax: 09 579 7775  
Customer Service Hotline: 0800 509 506  
Customer Service Faxline: 0800 804 344  
EMAIL: General Info Enquiries: [sales@whiteint.co.nz](mailto:sales@whiteint.co.nz)