

User & Operation Manual

INFORMATION - MANUAL - SERVICE ADVICE

Clean Water

SUBMERSIBLE PUMP

Intelligent & Automatic with Built-In Pressure Controller
FOR CLEAN WATER ONLY – 1000 Watt & 1200 Watt



For Model Numbers:

- AQSUB-SBIC1000 INOX MULTI AUTO – 1000 W / 1.0 kW
- AQSUB-SBIC1200 INOX MULTI AUTO – 1200 W / 1.2 kW



ISO9001:2008

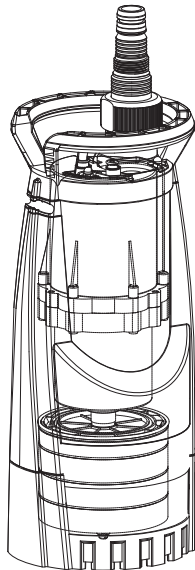


AQUATICA
water pumps
DIFFERENT - BETTER

These Instructions, Suggestions & Advice are for your Safety.
Please Read carefully before Use, and keep them Safe for Recall.

Content

1. SECURITY INSTRUCTIONS FOR YOUR SAFETY AND THE BEST USE OF PUMP	Page 3
A. SAFETY	Page 3
B. PUMP ENVIRONMENT	Page 3
C. ELECTRICAL SAFETY	Page 3
D. PERSONAL SAFETY	Page 3
2. GETTING STARTED	Page 4
3. WORKING PRINCIPLES & TECHNICAL SPECIFICATIONS	Page 5
4. ACCESSORIES	Page 5
5. USE AND DESTINATION OF THE PUMP	Page 5
6. CARE & MAINTENANCE	Page 5
7. TROUBLESHOOTING	Page 6
8. CERTIFICATE OF CONFORMITY	Page 7
9. GUARANTEE	Page 8



1. Security Instructions for Your Safety and the Best Use of Your Pump

PLEASE READ THE FOLLOWING INSTRUCTIONS

A. SAFETY

- Unplug the Water Pump from the mains power outlet before any intervention, service, inspection etc.
- When the Pump is running, there must be no particles in the water (This Pump is for Clean Water use ONLY).
- **DO NOT** use the Pump without an **Electrical CIRCUIT BREAKER**.
- The pump must be used with 230V AC Power supply, as indicated on the rating plate.
- DO NOT use the power cable for carrying the pump or for unplugging.
- Make sure that electric connections are protected from humidity.
- Avoid dry-running of the pump. Never use the pump if suction hose is obstructed.
- It is strictly forbidden to pump corrosive, easily combustible, aggressive or explosive liquids (such as petroleum or nitro thinner), saltwater and food.
- The temperature of the liquid must not exceed +40°C.

DO NOT use the pump if safety devices are damaged or depleted. Never deactivate safety devices.

B. PUMP ENVIRONMENT

DO NOT operate pumps in explosive atmospheres, such as in the presence of flammable liquids, gases. Keep children and unqualified persons away from the pump when it is in use.

C. ELECTRIC SAFETY

- The pump cable plug must match the socket. Never modify the plug in any way. DO NOT use any adapter plugs. Unmodified plugs and matching sockets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces.
- DO NOT abuse the power cord. Never use the cord for carrying, pulling or unplugging the pump. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a pump outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- The pump is equipped with a 3-pin plug at the end of the power lead & is compatible for AUSTRALIA. The power source in AUSTRALIA complies with International Regulations.
- If supplied power cord is damaged, it must be replaced by the manufacturer under warranty, our service agent or similarly qualified persons as appointed by Aquatica Water Pumps.

D. PERSONAL SAFETY

- **Risk of injury due to hot water:** If the pump runs for an extended period when the outlet is closed, the water in the pump can become heated which can then emerge from the outlet and cause injuries.
- Stay alert, watch what you are doing and use common sense when operating the pump.
- Maintain your pump. If the pump is damaged, ensure it is repaired by a specialist before any use.

- Follow these instructions to properly use the pump, its accessories, connectors, etc. The pump must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse.
- This Pump is not intended for use by persons (including children) with reduced physical, sensory or reduced mental capabilities, or lack of experience and knowledge, unless they have been given supervision, instructions & training concerning use of the Pump by a person responsible for their safety.
- It is necessary to keep children under surveillance, and to make sure that they are not playing with the Pump, or its power cord.
- **Keep children away from the Pump when operating.**

SYMBOLS



The Pump must not be disposed of with normal household waste but must be disposed of in accordance with local environmental regulations.



Conformity with safety rules applicable in the EU market.



PLEASE Read the instructions before plugging in the Pump and using

To be checked before you Start

- These Pumps have been designed to suck **CLEAN WATER ONLY**.
- **They are NOT designed to suck DIRTY WATER** or suspended soft solids, sand, silt, slurry etc.
- The Pump must be installed on a flat and solid surface.
- It is BEST PRACTICE to place several pavers on the floor of your Tank to sit the Pump upon so any sediment is not easily picked up off the floor of your Tank. Any sediment picked up could harm the pump and will certainly send dirty water up the line (and affect activities such as clothes washing, etc). If Drinking – be sure to have a UV Water Filtration on the Delivery side of the System.

The Pump is not suitable for commercial or professional use (including continuous operation) where the Pump may run 24-7-365. This Pump is for general household, garden use, and pool-top up ONLY. If the Pump is used for anything other than per the instructions in this Manual, your Warranty may be voided.

2. Getting Started

1. Connect a discharge pipe with a diameter at least equal to the diameter of the pump outlet (40mm)
2. Remove Plug & FILL the Pump with WATER to be sucked, by making an angle of 45 degrees (to reduce the amount of air trapped in the pump body)
3. If the Pump rests on the bottom of your Tank (i.e. it is not suspended by Stainless Steel tether cable or nylon rope etc) , make sure it is on a flat and stable elevated surface (upon 1 or 2 pavers)
4. Make sure that no one is present in the Tank or Vessel holding your water
5. Plug the Pump into the 240 Volt Mains Power Outlet and Switch ON

3. Working Principles & Technical Specifications

AQUATIC WATER PUMP Model # SBIC – Submersible Built in Pressure Control		AQSUB-SBIC1000	AQSUB-SBIC1200
Power INPUT – (P1)	INPUT Power Draw	1000 W / 1.3 HP	1200 W / 1.6 HP
Power OUTPUT – (P2)	OUTPUT Power Draw	650 W / 0.87 HP	750 W / 1.0 HP
Maximum Flow per Hour	Litres per Hour	6000	6300
Maximum Flow per Min.	Litres per Minute	100 l/pm	105 l/pm
Maximum Head	Max Head	34 m/h	44 m/h
Max Submersible Depth	Meters	10	10
Outlet feed from Pump Body	Inches & mm	G1.5" - 40 mm	G1.5" - 40 mm
Insulation Protection Grade	Insulation Grade	IP-X8	IP-X8
Impellers per Pump	How many per Pump	3 Pieces - NORYL®	4 Pieces - NORYL®
Pressure Control Switch	Float or AUTO	Built in - AUTO	Built in - AUTO
Nett Weight	Kilograms - kg	9	9.3
Gross Weight	Kilograms - kg	10.3	10.6

4. Accessories in the Box with Pump

Outlet Hose Connector with Rubber Washer: 1 Piece.

Operations Manual: 1 Piece.

1 x short roll of TEFLON TAPE

5. Use and Destination of the Pump

- **Your Pump is designed for Domestic Home use ONLY.**

Your Pump must not be used in following situations :

- The Water Temperature to be sucked into the Pump will be above 0° Degrees Celsius (Freezing) & BELOW a MAXIMUM of 40° Degrees Celsius above Freezing.
- Cannot be used continuously 24-7-365 (i.e: like a Fountain Pump, major Irrigation, Commercial use),
- Best used only for Toilets or Laundry / Washing machines, Gardens, Pool top up etc.
- Corrosive - acids etc, easily combustible, aggressive or explosive liquids (such as gasoline, petroleum or nitro thinner), saltwater, oils and greasy grime **MUST NOT be Pumped - if so WARRANTY will be VOID.**
- Permanent MAXIMUM Suction Depth is 10 Meters. **This IS NOT A BORE PUMP.**

6. Care & Maintenance

DANGER

Unplug the pump from power point before any work or maintenance

- In case of temporary installation, the Pump must be cleaned up with clear water after use.
- In case of permanent installation, it is necessary to check every 3 months that the start mechanism is working properly (float switch or sensor).
- It is also recommended the Pump be removed from your Tank and make sure no tree roots or sludge is across the Pump's stainless steel pick-up / suction screen.
- Regularly remove dirt that may accumulate in the tank etc.
- DO NOT expose the Pump to Frozen Water or Heavy Frost.
- Avoid dry-running the Pump – allow the Automatic Control (or float if applicable) to do its work - DO NOT OVERRIDE IT.
- DO NOT abuse the Power Cord. Never use the cord for carrying, pulling up the pump from inside the Tank or unplugging the Pump. It is best practice to tie a rope of sorts to the carry handle or specific mounting point to make things easy when servicing or inspecting your Pump for regular maintenance.
- Clean the Pump stainless steel pick-up screen regularly to avoid overload and overheating of the Pump. If the pump encounters excessive resistance at the pick-up screen, it may cause load burn-out and lead to electrical trip out at the power-board.
- Avoid electrical shock and damage – **DO NOT** let the Pump fall to bottom of Tank. Instead, lower it gently into position.

7. Troubleshooting

Trouble - Problem	Please Check – Inspect	What you should do
The Pump DOES NOT Start and DOES NOT make any Movement or Noise.	Is the Pump plugged in ? Does the pump start when it is Fully Submerged ?	Plug in the Pump into the 240 Volt Power Point. Is the Power Point switched on ? Check your Electrical Connection & Installation.
The Pump is Running but DOES NOT Deliver or Pump Water.	Do the Impeller/s freely Rotate ? Is the Pump in good Condition ? Is the Pump inlet free of tree roots, slurry, gunk, sediment ? The Delivery Head requested exceeds the requirements & performance of the Pump. The Discharge Pipe could be too narrow.	Eliminate any blockage at the pick-up screen. Replace the impeller/s. Clean the Pump inlet screen & inspect often. Use the Pump in accordance with its technical capabilities. Increase the pipe diameter
The Pump Stops Suddenly!	Is there a sufficient water level to suck ? Did the Pump run for a long time without stopping ? Are you sure that the Pump inlet is not obstructed ? Does the power of the mains match the rating plate- that is 240 Volt ? Is the temperature of the liquid being Pumped below freezing or above 40°C ?	Disconnect the Pump from the power outlet and let it cool for 15-20 minutes Clean the Pump inlet screen of any blockage Use a power supply matching the rating plate (240 Volt- 50 Hz ONLY) Observe the maximum allowable water temperature. It must NOT be over +40 Celsius or below freezing.

Flow of Water Decreases & Slows.	Is the Pump inlet screen blocked or clean ? Are the impeller/s clean ? The discharge pipe is not partially clogged ?	Clean the area or areas in question. If inlet screen is constantly getting blocked you should flush your Water Tank of sediment, sludge etc.
Low Flow or Insufficient Pressure and different from when the Pump was new.	Are you sure that the Pump Inlet is not obstructed ? Is / are the impellers clean ? Are you sure that the outlet – delivery pipe is not obstructed in any way ? Is the diameter of the discharge pipe enough ?	Clean the zone (s) concerned and verify check valve, if applicable Connect a pipe with a suitable diameter and suppress reduction of the water passage

8. Certificate of Conformity

AQUATECH AUSTRALASIA Pty Ltd & AQUATICA Water Pumps :

Declares that following pumps: **AQSUB-SBIC1000 INOX MULTI; AQSUB-SBIC1200 INOX MULTI**

- Are manufactured under strict Agreement and Quality Control in The P.R.C. -

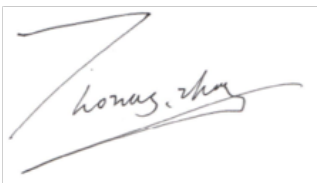
... and Comply with the following directives

- Directive Base Tension 2006/95/EC
- Directive Compatibilité Électromagnétique 2004/108/EC
- Directive ROHS 2002/95/EC

Tests executed in accordance with following regulations:

1. EN55014-1 : 2006+A1
2. EN55014-2 : 1997+A1+A2
3. EN60335-1 : 2002+A1+A11+A12+A2+A13+A14+A15
4. EN60335-2-41 : 2003+A1+A2
5. EN61000-3-2 : 2006+A1+A2
6. EN61000-3-3 : 2008
7. EN55014-1
8. EN55014-2
9. EN61000-3-2
10. EN61000-3-3

Signature:



9. Guarantee

This Pump is guaranteed for a 3 Year Term from the date of purchase.

- KEEP YOUR INVOICE as PROOF of PURCHASE.
- The Pump is designed for General Household and **DOMESTIC USE ONLY**.

Conditions of Validity of the Warranty:

- The Pump must always be handled properly according to the instructions of this manual.
- The Pump must not be modified or have been repaired by any person other than an Authorised Service Center or appointed Agent.

Warranty will NO longer apply in the following cases:

1. Non-compliance with the instructions in this operations manual
2. Repairing the Pump apart from an Authorised Service Center or appointed Agent
3. Changes in the Technical elements of the Pump not done by an Authorised Service Center or appointed Agent.
4. Use of NON-Authorised Replacement parts other than original.
5. Damage / malicious use (fall/drops, dents on the Pump, etc).
6. **These Pumps are for CLEAN WATER ONLY**. Inappropriate use include continuous use (e.g. industrial, continuous operation), plus allowing passage of inappropriate objects – the likes of hard and heavy particles of an excessive amount of slurry, sludge, stones, sand, salt water, water with high lime or an acid content etc.
7. Lack of Maintenance or Cleaning of the Stainless Steel Filter – Gauze Front at bottom of Pump

Parts NOT covered by the Warranty (if these parts are supplied with the Pump)

- Suspension Stainless Steel Wire – Nylon Rope, External Fittings.
- A Repair which results in an Exchange with NEW product during the Warranty period DOES NOT extend the original Warranty period.
- Management of equipment under Warranty is provided by the supplier of the product. (**AQUATICA WATER PUMPS**)
- Should a Warranty Claim arise - The Pump must be accompanied by all accessories and **the original receipt or original invoice** and a letter explaining the problems observed. Please visit our website www.aquaticawaterpumps.com.au and check under WARRANTY for the process in establishing a Warranty need and or request.

Spare Parts

- We strive to provide the main replacement parts for this product while under Warranty and beyond.
- We shall carry a FULL RANGE of Spare Parts for a duration of at least 5 Years from the date of manufacture as stated on the performance rating plate of the product.

