

PROTEGE PUMPS



External Aquarium Filter/Pump - P2000

User Manual

[Revision 3.0 January 2018]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:




 <p>You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.</p>	 <p>You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.</p>	 <p>You CAN be INJURED if you do not follow instructions or equipment damage may occur.</p>
<p>It is important that you read and understand the instruction manual before use and keep the manual in a safe place for future reference. Safety information presented here is generic in nature – some advice may not be applicable to every piece of equipment.</p> <p>All safety precautions must be observed to reduce the risk of personal injury when operating the equipment.</p> <p>The term “equipment” refers to your product, be it electrical mains, battery or petrol engine powered.</p> <p>IMPORTANT – Handle the equipment safely and carefully.</p> <p>BEFORE USE - If you are not familiar with the safe operation/handling of this equipment, or are in any way unsure of any aspect of suitability or correct use it for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.</p> <p>WARNINGS</p> <ul style="list-style-type: none"> • Read all safety warnings and all instructions. Failure to follow warnings and instructions may result in electric shock, fire and/or serious injury. • Never run a combustion engine in confined areas. • Do not operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. Engine and equipment may create sparks or heat that may ignite vapours, dust etc • Keep clear of moving parts. • This equipment may be a potential source of electric shock if misused. • Do not operate the equipment if it is damaged, malfunctioning or is in an excessively worn state. • Do not allow others to use the equipment unless they have read this manual and are adequately trained. • When using the equipment, basic safety precautions detailed here must always be followed to reduce the risk of fire, electric shock, personal injury and material damage. • When wiring electrically powered equipment, follow all electrical and safety codes. • Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting equipment. 	<p>General Work Area Safety</p> <p>Work areas should be clean and well lit.</p> <p>Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.</p> <p>Personal Safety</p> <p>Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.</p> <p>Prevent unintentional starting of the equipment - ensure equipment and power source switches are in the OFF position before connecting or moving the equipment. Do not carry equipment with hands/fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.</p> <p>Stay alert and use common sense when operating equipment. Do not overreach. Keep proper footing and balance at all times. Do not use equipment when tired or under the influence of drugs, alcohol or medication. This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.</p> <p>You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. Always wear eye protection. Protective equipment such as respirators, non-skid safety shoes, hard hat, hearing protection etc should be used for appropriate conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.</p> <p>If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.</p> <p>General Equipment Use and Care</p> <p>Do not force the equipment. Use the correct equipment for your application. The correct equipment will perform better and be safer within its design parameters. Do not use the equipment if the ON/OFF switch malfunctions – any equipment that cannot be controlled with the ON/OFF switch is dangerous and must be repaired.</p>	<p>Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.</p> <p>Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorized service centre or technician before use.</p> <p>Always keep the equipment and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment, controls and handles dry and free from dirt, oil and grease.</p> <p>Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place the equipment in places where there are flammable materials, combustible gases or combustible liquids etc.</p> <p>The equipment is not weather proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or very humid.</p> <p>General Service Information</p> <p>Have the equipment serviced or repaired at authorized service centres by qualified personnel only.</p> <p>Replacement parts must be original equipment manufacturer (OEM) to help ensure that equipment safety is maintained.</p> <p>Do not attempt any maintenance or repair work not described in this instruction manual.</p> <p>After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before making adjustments, changing accessories or performing repair or maintenance.</p> <p>Do not make adjustments while the equipment is running.</p> <p>Perform all service related activities under suitable conditions, such as a workshop etc.</p> <p>Replace any worn, damaged or missing warning labels immediately.</p> <p>Do not clean equipment with solvents, flammable liquids or harsh abrasives.</p>

Table of Contents

Safety.....2

Parts Identification.....4

Assembling the Water Intake/Drainage Tubes5

Operation6

Troubleshooting.....7

Specifications.....8

Parts Identification



No.	Name	No.	Name
1	Intake and drainage tubes	10	Dirt/Waste entrance tube
2	Barrelhead	11	Connecting tube
3	Main body	12	Curvy intake tube
4	Draining skep cover	13	Joint of dirt/waste entrance
5	Draining skep	14	Intake tube
6	Curvy drainage tube	15	Intake cover
7	Connecting tube	16	Suction disc
8	Spray tube	17	Pipe
9	Spray tube cover		

External Aquarium Filter/Pump - P2000

**PROTEGE
PUMPS**

Assembling the Water Intake/Drainage Tubes



DIRT/WASTE ENTRANCE TUBE

Operation



①



②



③



④



⑤

1. Figures 1 and 2: The buckles should be unfastened first, which will separate the main body and the barrelhead.
2. Figures 1 and 2: Put the draining skeps with the filter medium into the main body. Press the barrelhead with your hands to combine the main body and the barrelhead. Then, fasten the buckle.
3. Figure 3: Pull the buckle to take out the intake and drainage tubes. After this, the intake and drainage tubes should be installed and they should be fastened by nuts. Then, put the intake and drainage tubes back to its former place and press the buckle to secure the intake and drainage tubes.
4. Figure 4: Install the curvy intake and drainage tubes in the aquarium.

NOTE: The curvy tube with the spray tube is the drainage tube; the curvy bar with the dirt/waste entrance tube is the intake tube.

5. Figure 5: Press the big blue button. It will then rebound. The intake tube will then pump water into the main body, which pushes the air out of the main body through the drainage tube. When the level of water in the drainage tube is equal to the level of the water in the aquarium, you can then plug in the filter to make it work.

Troubleshooting

Problem	Cause	Solution
Filter does not respond when the big blue button has been pressed.	The intake and drainage tubes have not been connected correctly.	Re-connect the intake and drainage tubes again; the tube with the dirt/waste entrance tube is the intake tube.
The motor is not responding.	The power is off.	Turn the power on.
	The shaft is broken.	Replace the shaft.
	The impeller is missing, or the motor is clogged with foreign materials such as pebbles, shells, etc.	Install an impeller or clean out the drive system
Inhibited water flow.	Hose adapter unit is excessively dirty.	Detach the hose adapter unit and clean the inside with a brush.
	The tubes have not been connected correctly.	Check whether the tubes are entangled or coiled.
	Excessive built-up of dirt/waste in the tubes.	Clean the insides of the tubes and the intake and drainage tubes periodically.
Filter emits an unusual sound when turned on.	Filtering material is clogged.	Remove the filtering material and wash it with tank water.
	Air is entering from the tube connections.	Check whether the tubes are connected properly.
	Air is present in the filter case.	With the power on, shake the unit to help remove the remaining air.
Filter emits an unusual sound when it is operating.	Insufficient application of lubrication.	Apply ample amounts of lubrication to all of the O-rings.
	Air is present in the filter.	Alternately plug and unplug the filter 3 – 4 times. Shake the filter gently to remove the remaining air.
	Damaged impeller/drive magnet or spindle.	Replace the parts (consult with an authorised dealer or centre).
	Decrease in water flow causes the impeller/drive magnet to accumulate waste/dirt.	Clean out the impeller and/or the unit.

External Aquarium Filter/Pump - P2000

Specifications

Flow Rate	1,250 Litres per hour
Voltage	240v AC
Frequency	50Hz
Power	25W
Head-Max output	1.4m (for optimum output this unit should sit beside or below the tank)
Hose	Internal diameter: 19mm External diameter: 25mm Length: 1.8m (x2)
Power cable length	1.5m
Bio ball capacity:	30 – 40 (not included)
Product Size (L x W x H)	235 x 235 x 390mm

Note: This unit is suitable for use in an indoor environment only.



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation. ▪ Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks. ▪ Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing. ▪ Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product. | <ul style="list-style-type: none"> ▪ The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives. ▪ This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation. ▪ If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required. |
|---|---|



©2018 Protégé Pumps. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning or recording, or any information storage and retrieval system, without express permission or consent from the publisher.