BLAGDON
THE POND MASTERS

Established over 40 years ago, Blagdon are committed to producing a comprehensive range of high quality, easy to use, pond equipment. An ongoing programme of research and development ensures excellent performance and value for all their customers. This product excellence is demonstrated by Blagdon's award winning range of water gardening equipment. As a result Blagdon's reputation for quality is unrivalled amongst experienced pond gardeners and retailers alike.

Blagdon - The Pond Masters
The name you can rely on

Interpet
Dorking, Surrey, RH4 3YX

Leaflet Code: POS 0001

BLAGDON
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THE POND MASTERS GUIDE TO MINIPOND 2000

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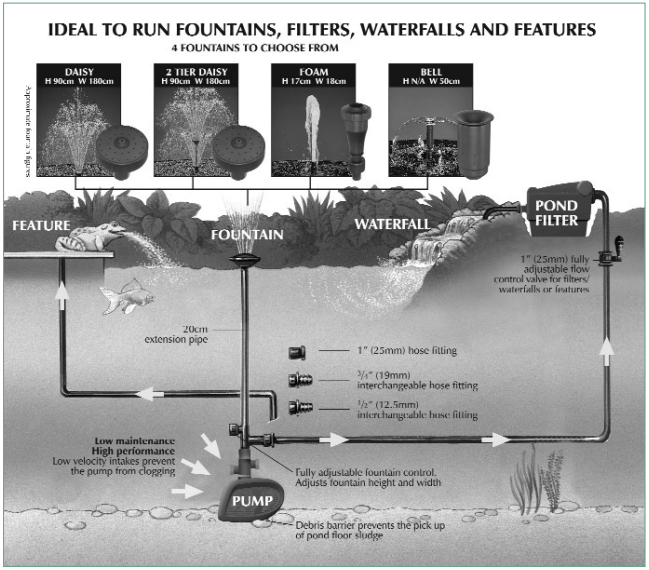
Congratulations on buying a Blagdon Minipond Fountain and Water Feature Pump. Minipond pumps are high quality pumps manufactured with advanced technology, to run pond fountains and water features. The powerful motors are easy to maintain having a single moving part impeller system featuring highly wear-resistant ceramic shaft design.

IMPORTANT

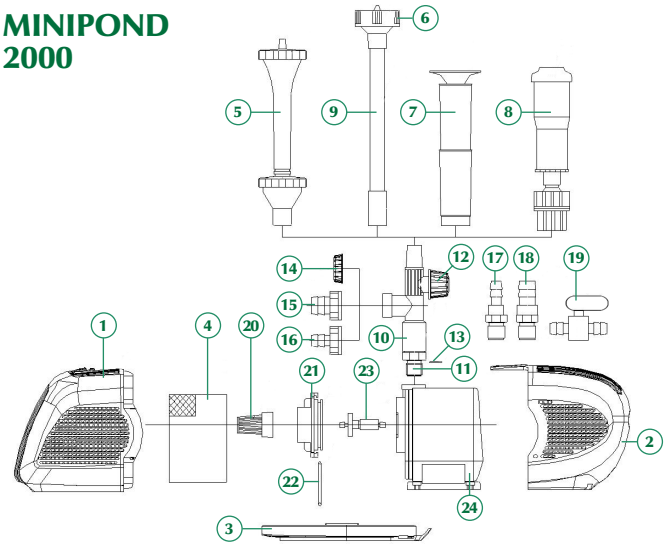
Please attach proof of purchase to this manual and file in a safe place.

CONTENTS

GETTING TO KNOW YOUR MINIPOND PUMP



MINIPOND 2000



No.	Part Description	Spare Code
1	Pre-filter cage front	1040495
2	Pre-filter cage back	
3	Pre-filter cage insert base	
4	Foam pre-filter	1040501
5	Double daisy jet	1040518
6	Daisy jet	
7	Bell jet	
8	Foam jet	
9	20 cm extension	1040525
10	Fountain T piece	1040532
11	T connector	
12	Fountain flow control	

No.	Part Description	Spare Code
13	T connector O ring	1040532
14	Outlet cap	
15	3/4" hose tail	
16	1/2" hose tail	
17	1/2" outlet hose tail	
18	3/4" outlet hose tail	
19	1" flow control valve	1040563
20	Intake cage	1040549
21	Impeller cover	
22	Impeller cover O ring	
23	Impeller complete	1040556
24	Motor	N/A

Parts 1-3, 5-8, 10-18 and 20-22 are supplied as one package.

GETTING TO KNOW YOUR MINIPOND PUMP

Pump performance / flow chart

MINIPOND	700	900	2000
Lift	**Flow rates lph**	**Flow rates lph**	**Flow rates lph**
2.0 metres	-	100 lph	240 lph
1.5 metres	-	400 lph	800 lph
1.0 metres	300 lph	550 lph	1200 lph
0.5 metres	520 lph	800 lph	1640 lph
0.0 metres	700 lph	872 lph	2000 lph
Flow is given as optimum rate			

Technical Specification and Performance

MINIPOND	700	900	2000
Cable Fitted	10 metres	10 metres	10 metres
Voltage	230V	230V	230V
Hertz	50Hz	50Hz	50Hz
Watts	7	20	48
Safety Rating	IP68 CE	IP68 CE	IP68 CE
Maximum Depth	1 metre	2 metres	2.2 metres
Maximum Lift	1 metre / 3'3"	2 metres / 6'6"	2.2 metres / 7'2"

INSTALLATION

Electrical installation

The power supply must meet the specifications on the product.

The pump is intended to be used with either a weather-proof cable connector or permanently connected to the fixed wiring in the main system other than by means of a plug and socket.

The cores in the supply cable are coloured in accordance with the following code: **Brown = Live, Blue = Neutral, Green/Yellow = Earth.**

The electric cable is permanently connected and sealed in the motor body. If the supply cable is damaged the pump must not be used.

Do not use the supply cable to lift the pump as this may cause damage.

IMPORTANT: Please note all electrical work on garden lighting and power installations must comply with part P of the building regulations. Failure to comply is a criminal offence. If the installation of this product is not carried out by a competent electrician who is registered under the Part P self-certification scheme then you must notify the local building control department before work begins. For further information and guidance on this matter and other electrical installations in your home that might be covered by the relevant legislation, contact your local authorities building control department.

WARNING - THIS PUMP MUST BE EARTHED

A Residual Current Device (RCD), also know as the Residual Current Circuit Breaker (RCCB), with a tripping current not exceeding 30mA must be installed in the supply circuit.

A means of disconnection from the supply having a contact separation of at least 3mm in all poles must be incorporated in the fixed wiring.

INSTALLATION

For permanent installations to the mains supply, it is necessary to conform to the regulations of the local electricity authority and this would include the use of a metal or plastic conduit to protect the cable.

Attention has been drawn to the fact that special rules may exist concerning the installation of your pond pump (i.e. local building regulations).

These pumps must not be used in swimming pools, or areas where people are in contact with the water.

Always disconnect the mains electricity supply whilst the equipment is being installed, repaired, maintained or handled. Consult a qualified electrician if in any doubt about wiring this product to the main supply.

Warning - The Minipond pump is provided with a thermal cut out that temporarily switches off the pump in case of overheating and the pump may automatically restart.

Locating your Minipond

The Minipond pump should be located on a firm and level base in the pond/water feature in a depth of at least 10cm, but no more than 2m.

It is advisable to keep the pump off the bottom of the pond to avoid silt entering the pump causing excessive wear and increasing pre-filter cleaning.

Fountain

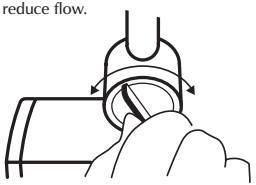
Make sure there is ample cable from mains supply. Place pump in desired location. Add Fountain extension pipes so fountain head is above surface of the pond. Fountain height can now be adjusted, see 'Adjusting flow control' diagram below. See "Getting to know your Minipond" for parts and descriptions.

If using the Daisy or Double Daisy Jet, cleaning of the jets will be reduced by inserting the optional pre-filter foam included.

INSTALLATION

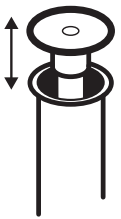
ADJUSTING FLOW CONTROL

Turn clockwise to increase anti-clockwise to reduce flow.



BELL FOUNTAIN

Adjust bell by moving head higher for small bell and lower for a wider bell shape.



Tip: Ensure that any fountain or feature fitted does not empty water out of pond/water feature. The Bell Jet and Foam Jets do not need the foam pre-filter so require little maintenance when used with the pre-filter cage only.

Water Feature

Install as for Fountain. Depending on water feature to be supplied, your Minipond can be used with the 1/2" hose fitting or 3/4" outlet hose fitting which can be screwed directly into pump body. Hose clips should be used to secure hose.

Tip: The larger 1" hose will give maximum performance when fitted.

MAINTENANCE & CLEANING

Warning - Failure to carry out routine maintenance leaving the pump under reduced or no flow conditions for long periods i.e. blocked pre-filter) will result in a shorter pump life and will invalidate the guarantee.

Blagdon Minipond 2000 is a centrifugal pump with a magnetic impeller movement driven by a watertight synchronous motor. They require minimum cleaning, only periodic cleaning of the pre-filter and impeller is necessary.

Cleaner

The use of Blagdon Pond Pump Cleaner will give improved performance and pump life by removing built up lime scale and waste. Use before dismantling for easier and cleaner handling.

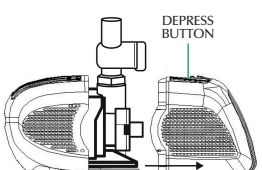
Routine Maintenance

Carry out routine maintenance when pump flow is visibly reduced.

1. Switch off electricity.
2. Remove pump from pond (do not use the cable to lift the pump).
3. Remove the front of the pre-filter cage by depressing the button and pulling apart. Wash the cage thoroughly in fresh water. A blocked pre-filter will reduce pump flow. Follow steps 1 and 2.

STEP 1: MINIPOND (ROUTINE)

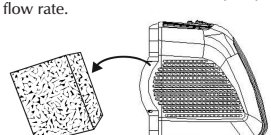
Firmly pull pre-filter cage from pump motor.



STEP 2: MINIPOND (ROUTINE)

Remove pre-filter foam (if fitted), and wash thoroughly in fresh water. The pre-filter is for use with Daisy Jets only.

A blocked foam will reduce the pump flow rate.



MAINTENANCE & CLEANING

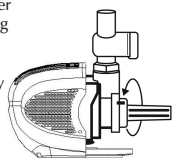
Monthly Maintenance

Following as for Routine Maintenance (steps 1 and 2) and then steps 3, 4 and 5.

STEP 3: MINIPOND (MONTHLY)

Remove impeller cover by turning anti-clockwise to release lock.

Then pull firmly away from pump motor and cage.



STEP 4: MINIPOND (MONTHLY)

Remove impeller from pump motor. Wash parts with fresh water carefully.

Annual Maintenance

Once a year you should service your pump by using Blagdon Pond Pump Cleaner, (this may need to be done more frequently in hard water areas).

Dismantle pump and examine all parts for wear or damage, replacing any parts that show obvious wear and/or damage. (See getting to know your pump for parts/description and replacement parts codes.) Particular care should be taken to examine the cable entry point and the cable; if there is any sign of damage the pump should be discarded.

Winter Storage

The pump can be run in the pond during the winter but care should be taken to ensure that it is fully immersed and cannot freeze solid. If the pump is not used during the winter, follow annual maintenance procedure and store frost-free in the house or garage until spring.

TROUBLESHOOTING

Problem

Low flow from pump

1. Follow routine cleaning procedure if no improvement.
2. Follow monthly cleaning procedure.
3. Ensure pipe work is not blocked, leaking or is laid so that it gets crushed or kinked.
4. Keep the height that water is to be pumped from the water surface (called Head) to a minimum. The higher the head the lower the flow rate and the more wear on the pump.
5. Use the largest diameter, smoothest bore pond hose over the shortest distance and keep hose fittings to a minimum. This removes frictional loss of flow and so increases pump flow rates.

Poor Fountain performance

- Reduced height.
- Jets blocked.

  Clean flow adjuster and fountain head. Wash under a tap or hose. Blagdon Pond Pump Cleaner should be used to remove lime scale build-up/waste (see diagram) for improved results.

  Use foam insert with Daisy Jets for lower maintenance.

DAISY

To clean, remove head and rinse. Or in hard water areas, use Blagdon Pond Pump Cleaner.

Use optional foam pre-filter with Daisy Jet heads.

No flow from pump

1. Check power supply is on.
2. Check fuse and wiring (SEE ELECTRICAL INSTALLATION).
3. Follow low flow procedure as above.

If none of the above works contact Interpet (Blagdon) Consumer Advice Department (See Faults problem procedure Page 12).

IMPORTANT

FAULTS - PROBLEMS PROCEDURE

Before returning your Minipond pump to your dealer or contacting our Consumer Advice Department, please carry out the following steps. This will solve most problems quickly and easily.

1. Ensure electrical procedure has been followed fully. Check fuse and any cable connectors/switch boxes.

   NOTE: If the pump has overheated the thermal overload will temporarily switch off the pump.

2. **(a)** Follow routine maintenance and check pump. **(b)** Follow monthly maintenance and check pump. **(c)** Follow troubleshooting guide. **(d)** Follow annual maintenance guide.
3. Return pump to point of purchase for inspection and advice (You may need proof of purchase).

Consumer Advice contact details

Interpet (Blagdon) Consumer Advice Department
Vincent Lane, Dorking, Surrey RH4 3YX

Telephone: 0845 226 7437
(Monday to Friday 10am to 4pm except Bank Holidays - Times may vary)

Fax: 01306 876712

E-mail: customercare@interpet.co.uk

GUARANTEE

This product is guaranteed against defects in material and workmanship for 2 years from the date of purchase, under normal usage. **The guarantee DOES NOT APPLY in case of improper use,** negligence, lack of maintenance or accidental damage either to the pump or to the impeller or impeller shaft. If the pump fails due to a manufacturing fault within this period it will be either repaired or replaced free of charge. Liability is limited to replacement of the faulty product only, no other costs will be reimbursed.

This guarantee is not transferable and does not affect your statutory rights. This guarantee does not confer any rights other than those expressly set out above. Excludes the sponge pre-filter, which should be replaced every six months and the impeller, which may require replacing annually. If any parts need replacing, spares are available from your retailer.