



GUIDE TO

Aquagarden Pond Pumps for Filters and Waterfalls

5250/6250/8500
10500

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**Aquagarden Pond Pumps
for Filters and Waterfalls**
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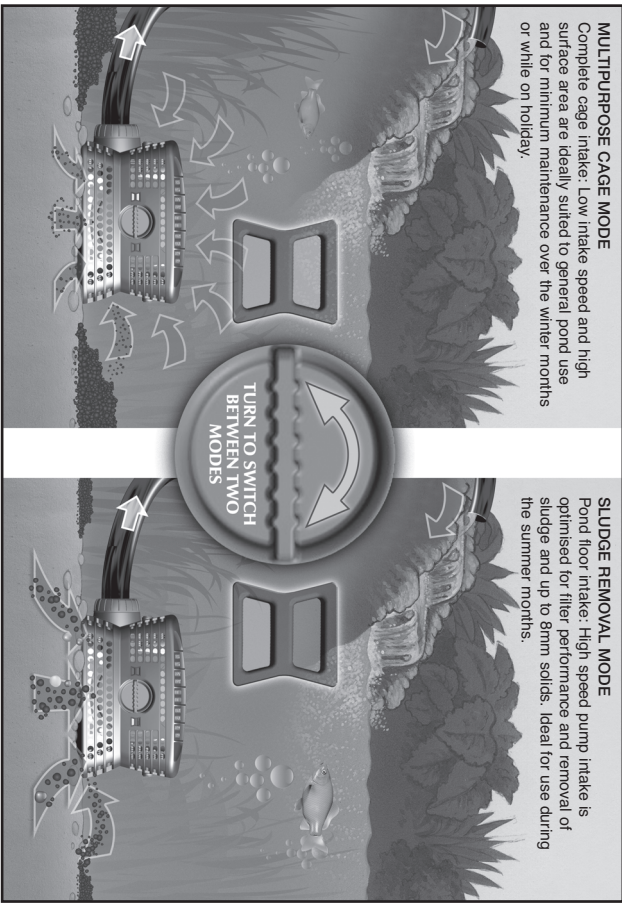
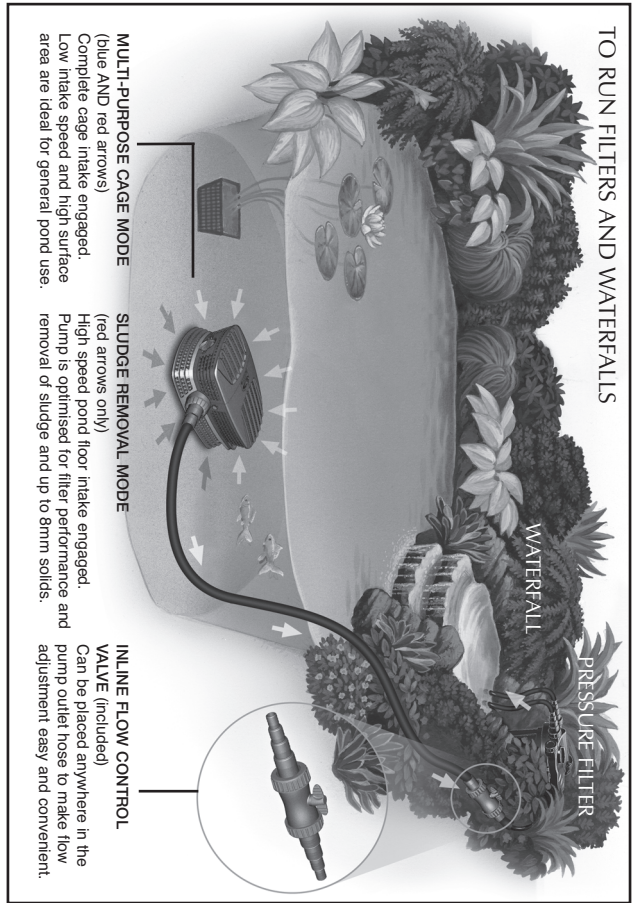
Congratulations on buying a Aquagarden pond pump for filters and waterfalls. Aquagarden pumps have been manufactured with the highest quality materials to deliver durable, powerful and economical pumping. The range of fittings and advanced features included, have been researched and designed to provide outstanding water garden performance. Please take the time to carefully read this pond master guide so you gain the maximum safety and benefits from this product.

IMPORTANT

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

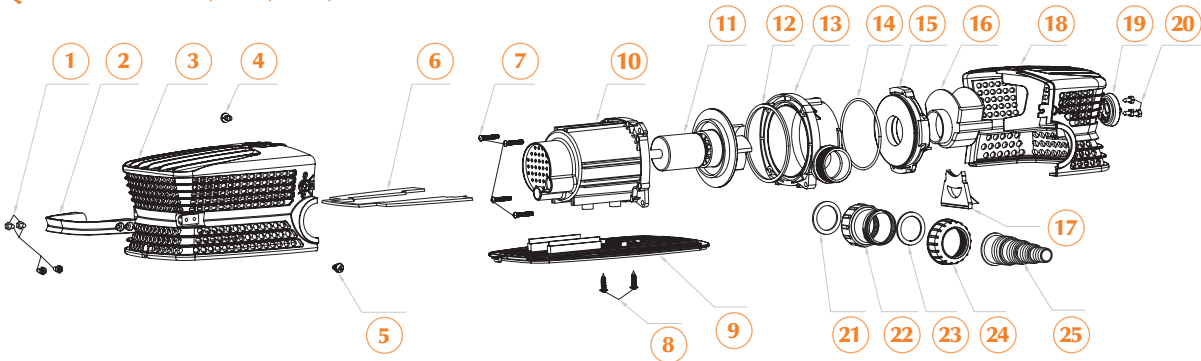
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Patent Pending

AQUAGARDEN 5250/6250/8500/10500

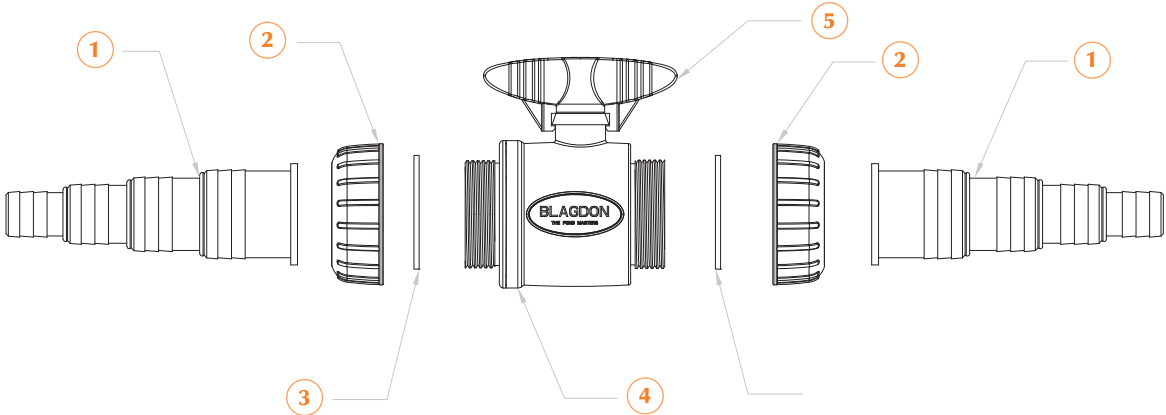


For spares for your Aquagarden 5250/6250/8500/10500/select Blagdon Part numbers:

No.	Part Description	Code	No.	Part Description	Blagdon Code
1	Handle screws		12	Impeller housing seal 5000-6000-8000-10000	in part 14
2	Handle		13	Impeller housing 5000-6000-8000-10000	
3	Back cage		14	Impeller cover seal 5000-6000-8000-10000	1050807
4	Cage locks		15	Impeller cover 5000-6000-8000-10000	1050838
5	Back cage divider 5000		16	Inlet valve	
	Back cage divider 6000-8000-10000		17	Valve locator	in part 15
7	Impeller housing screws	in part 11	18	Front cage	
8	Motor location screws	in part 11	19	Intake valve switch	
9	Cage base		20	Intake valve switch screws	
10	Motor Housing		21	Outlet cage adaptor seal	
11	Impeller assembly 5000	1050722	22	Outlet cage adaptor	
	Impeller assembly 6000	1050739	23	Inlet / outlet lock nut seal	1050821
	Impeller assembly 8000	1050746	24	Inlet / outlet lock nut	
	Impeller assembly 10000	1050753	25	1 1/2 - 1 1/4" - 1" - 3/4" multi Hosetail	

Please note: Spares / replacements of all of the parts / fittings listed above are available from your retailer.

AQUAGARDEN - INLINE FLOW CONTROL VALVE EXPLODED



For spares for your Aquagarden Product, select compatible Blagdon Spare Parts.

No.	Part Description	Blagdon Code
1	11/2" - 11/4" - 1" - 3/4" multi Hosetail	105616
2	Inlet / outlet lock nut	
3	Inlet / outlet lock nut seal	
4	Ball valve	
5	Flow control valve handle	

Pump lift chart

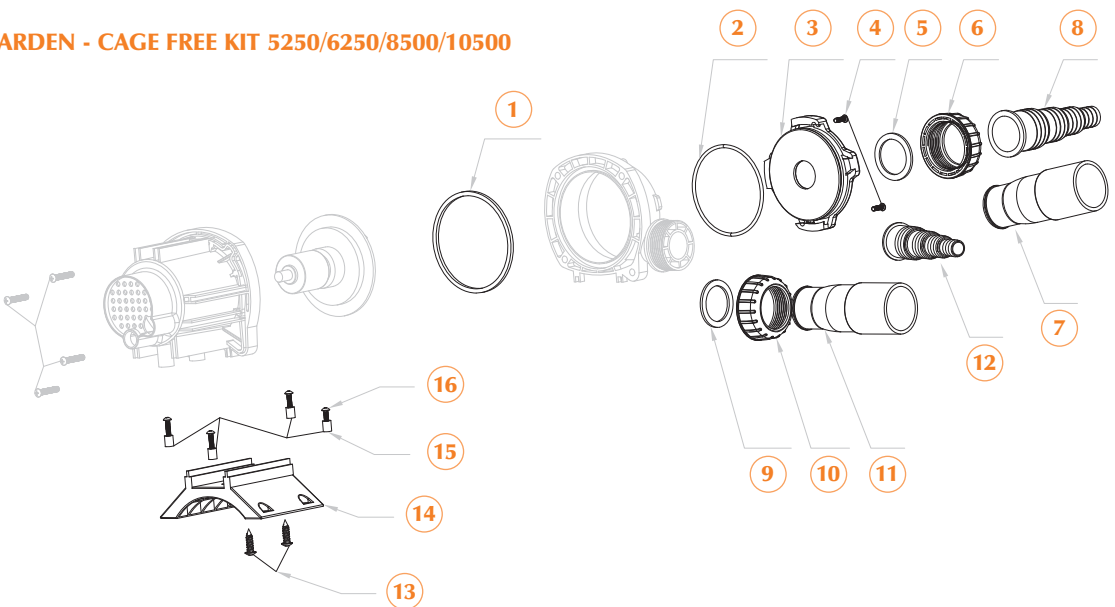
AQUAGARDEN PUMP FLOW RATE IN LITRES/HOUR

HEAD (M)	MEDIUM	MEDIUM	LARGE	LARGE
5.00	5250	6250	8500	10500
4.50			800	1800
4.00			1800	2500
3.50			2500	3340
3.00		1200	3600	4350
2.50	1100	2000	4180	5050
2.00	2050	2880	5000	5900
1.50	2275	3300	5590	6700
1.00	3460	4360	6200	7520
0.50	4100	5100	6800	8400
0.00	5115	6250	8030	10120

Flow is given as optimum rate

Technical Specification and Performance

MODEL	MEDIUM	MEDIUM	LARGE	LARGE
Cable Fitted	5250	6250	8500	10500
Voltage	10m	10m	10m	10m
Hertz	230V	230V	230V	230V
Watts	50Hz	50Hz	50Hz	50Hz
Safety Rating	77W	105W	140W	185W
Maximum Flow	IPX8	IPX8	IPX8	IPX8
Maximum Lift	5115 ltr/hr	6250 ltr/hr	8030 ltr/hr	10120 ltr/hr
	1127 gal/hr	1377 gal/hr	1769 gal/hr	2229 gal/hr
	2.5m	3m	4.5m	4.5m
	8'2"	9'8"	14'8"	14'8"



For spares for your Aquagarden Product, select compatible Blagdon Spare Parts.

No.	Part Description	No.	Part Description	Blagdon Code
1	Impeller housing seal 5000-6000-8000-10000	9	Inlet / Outlet lock nut seal	1050784
2	Impeller cover seal 5000-6000-8000-10000	10	Inlet / outlet lock nut	
3	Cage free kit Impeller cover 5000-6000-8000-10000	11	Inlet outlet solvent weld female 1 1/2 fitting	
4	Cage free kit Impeller cover locating screws	12	1 1/2 - 1 1/4" - 1" - 3/4" multi Hosetail	
5	Inlet / Outlet lock nut seal	13	Motor location screws	
6	Inlet / outlet lock nut	14	Cage free motor foot	
7	Inlet outlet solvent weld female 1 1/2 fitting	15	Foot location wall plugs	
8	1 1/2 - 1 1/4" - 1" - 3/4" multi Hosetail	16	Foot location screws	

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 connected 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: If this product is installed using a Blagdon Powersafe armoured garden power supply fitted with a flexible lead to a three pin plug, in conjunction with a circuit breaker as recommended. It would not therefore be deemed to be a permanent part of the house wiring and would not fall within the scope of Part P of the building regulations. However if the product is wired directly into a fixed wiring spur, it will fall under part P of the building regulations and must be installed by a qualified electrician or in consultation with a building control officer.

ELECTRICAL STANDARDS STATE THAT:

- All outdoor power supplies must be protected by a circuit breaker.
- All outdoor electrical components must comply with outdoor weatherproof safety standards.
- All power supplies across the garden must be carried by metal sheathed armoured cable. If buried, warning tape must be applied.

You can take power to your pond/garden using a Blagdon Powersafe Armoured Garden Power Supply and Circuit Breaker. This provides safe, legal and easy DIY power to your pond or garden. Other garden power products are available in the Blagdon Powersafe range.



WARNING - THIS PUMP MUST BE EARTHED

A Residual Current Device (RCD), also known 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 and isolate 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 Aquagarden 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 Aquagarden Pump

The Aquagarden pump should be located on a firm and level base in the pond/water feature in a depth of at least 15cm, but no more than 3m.

Water Feature / Filter / Waterfall

Depending on water feature to be supplied, your pump can be used with 1 1/2" 1/4" 1" 1/2" hose fitting. Hose clips should be used to secure hose.

Tip: The larger 1 1/2" hose fitting will give maximum pump flow performance.

- Ensure pipe work is not blocked, leaking or is laid so that it gets crushed or kinked.
- 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.
- 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.

Also see the explanatory diagram on page 2.

MAINTENANCE & CLEANING

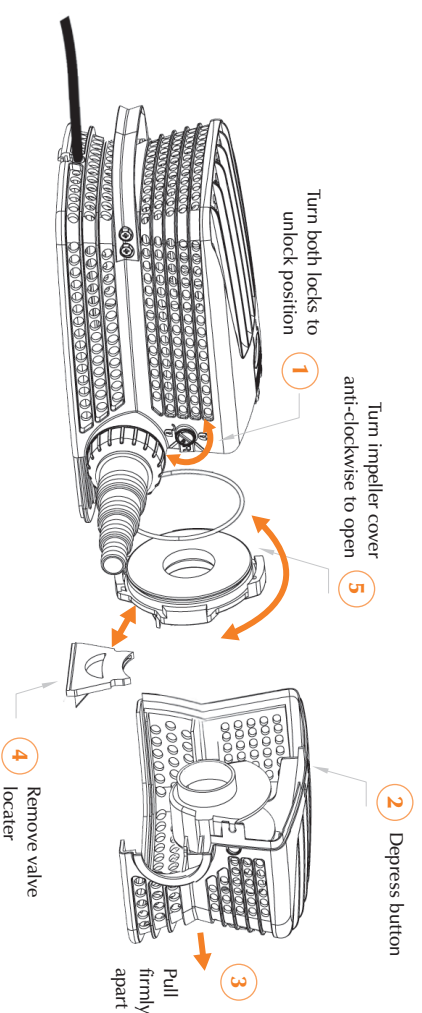


Warning - Failure to carry out routine maintenance leaving the pump under reduced or no flow conditions for long periods (i.e. blocked outlet, pipework filter cage) will result in a shorter pump life and will invalidate the guarantee.

Aquagarden are centrifugal pumps with a magnetic impeller movement driven by a watertight asynchronous motor. They require minimum cleaning, only periodic cleaning of the pre-filter cage and impeller is necessary.

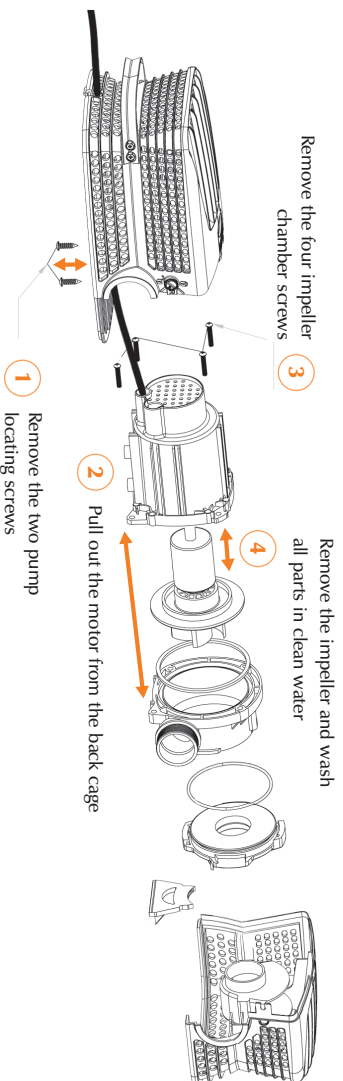
Monthly Maintenance/Opening the cage

Remove cage and impeller cover, wash all parts thoroughly with fresh water.



Annual Maintenance/Removing the impeller

First follow the Monthly Maintenance/Opening the cage steps.
Remove the impeller and wash all parts thoroughly with fresh water.



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.

Problem

Low flow from pump

1. Follow monthly cleaning procedure if no improvement.
2. Follow annual 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.

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

If none of the above works contact Interpet (Blagdon) Consumer Advice Department (See Faults problem procedure Page 13).

IMPORTANT

FAULTS - PROBLEMS PROCEDURE

Before returning your 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 1pm except Bank Holidays - Times may vary)

Fax: 01306 876712

E-mail: customercare@interpet.co.uk

www.aquagarden-range.co.uk

GUARANTEE

This product is guaranteed against defects in material and workmanship for 3 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.

Produced exclusively by



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

www.aquagarden-range.co.uk

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