

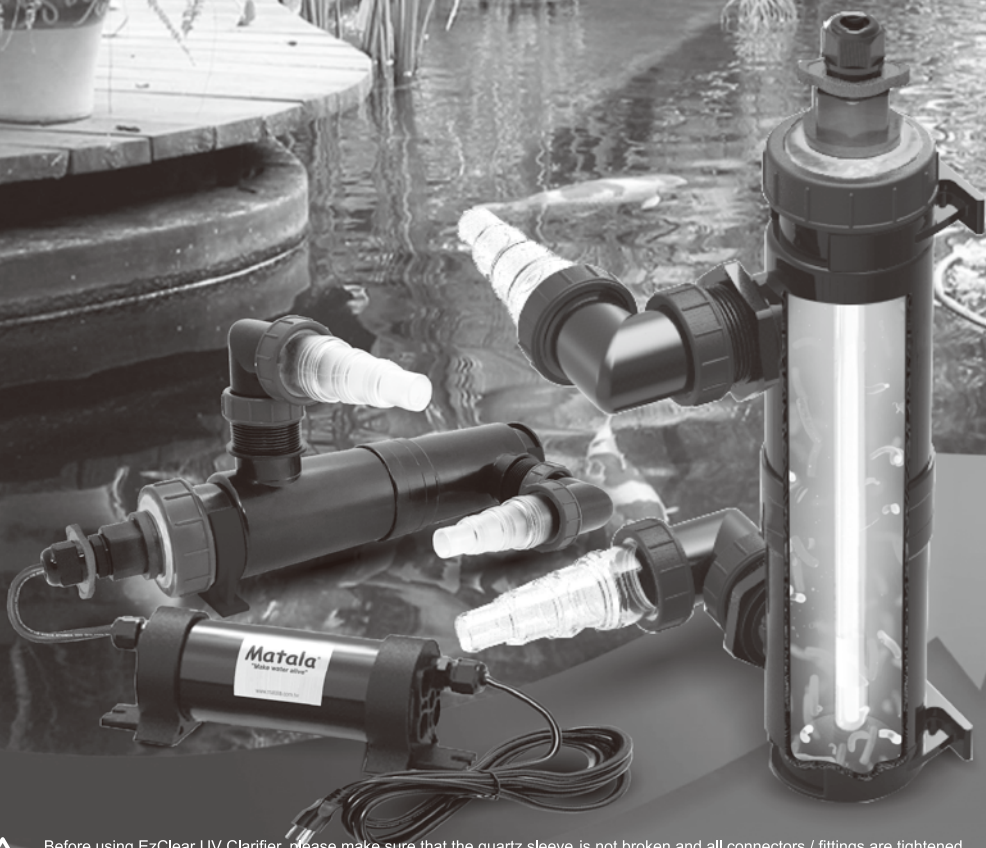
Matala®
"Make water alive"



CAUTION

Please turn off the power before any maintenance and keep away from the UV light when operation.

EzClear UV Clarifier



NOTICE

Before using EzClear UV Clarifier, please make sure that the quartz sleeve is not broken and all connectors / fittings are tightened. Once leaking is found, you should stop using it in case of any accident.

Turn off the power before cleaning or maintenance, and do not pull the lamp up with the wire.

Always connect the power supply with ground fault circuit interrupter (GFCI), when using the product.



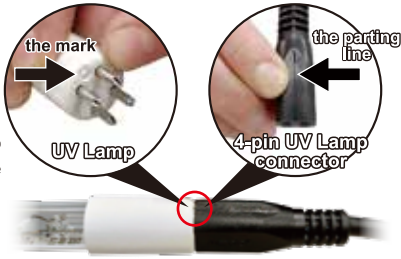
The EzClear UV Clarifier for water gardens and Koi ponds helps you to control the blooms of suspended green algae, harmful bacteria, parasites, fungi, and protozoan. Installation of a UV-C system connected to the pond's filtration system can prevent the problems that are inherent to such blooms, and it will not harm your fish or water plants.

Please read this instruction manual carefully before using this equipment.

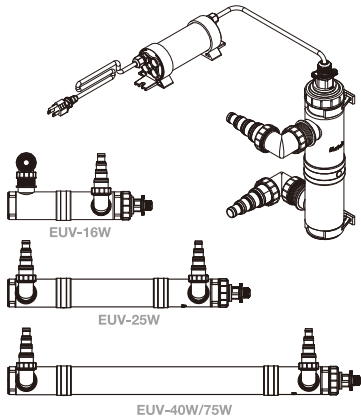
1. Installation of the UV lamp:

Install the UV lamp. When UV lamp plug insert 4-pin UV lamp connector, the mark on the UV lamp plug must be in the same direction as the parting line on the 4-pin UV lamp connector. Finally, lock the red locking ring.

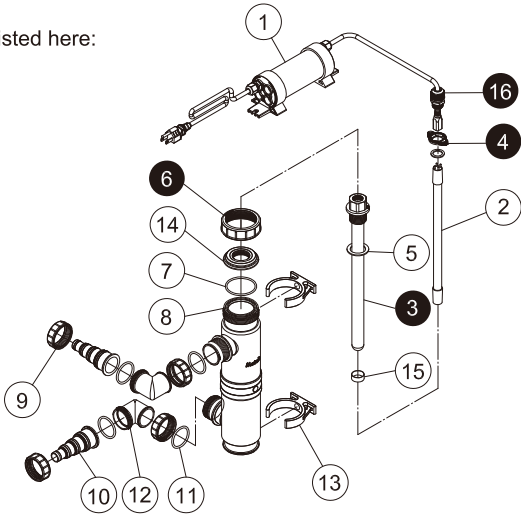
(EUV-16W UV lamp placed in main housing)



2. Please check the box contains the items listed here:



The water inlet / outlet at 90 degree on EUV-16W, but EUV-25W/40W/75W on the same side.



Before using EzClear UV Clarifier, please make sure that the quartz sleeve is not broken and all connectors / fittings are tightened, especially:

③ Connector ④ Red Locking Ring ⑥ Blue Cap ⑯ Cable Gland.

Model: EUV-16W/25W/40W/75W

NO	Parts No	Parts / Spec		QTY	NO	Parts No	Parts / Spec		QTY
1	SSAB101640	Ballast Unit	16W, 25W, 40W	1	5	BS201029	Gasket		1
	SSAB101075		75W		6	SS100042	Blue Cap 2"		1
2	SS100016	UV Lamp	16W	1	7	BS201028	O-Ring		1
	SS100017		25W		8	SSAB101216	Main Housing 1-1/2" Inlet & Outlet		1
	SS100018		40W		9	BS201020	Plastic Nut 1-1/2"		4
	SS100019		75W		10	BS201021	4 Section Hose Barb 3/4", 1", 1-3/4", 1-1/2"		2
3	SS103001	Connector		1	11	BS201024	O-Ring		4
	SSAB101116	Quartz Sleeve	16W 337mm	1	12	BS201019	Elbow Adapter 1-1/2"		2
	SSAB101125		25W 600mm		13	SS100052	Clamp		2
	SSAB101140		40W 897mm		14	BS201025	Transparent Cover		1
	SSAB101175		75W 897mm		15	SS100021	Gasket (only 25/40/75W)		1
4	BS201026	Red Locking Ring		1	16	SS100030	Cable Gland		1



Replacement
Parts

Quartz sleeve.... ③ ⑤ UV lamp..... ② Ballast..... ①

*Following instruction given in section 5 to replace the quartz sleeve and UV lamp.

Recommendation of EzClear UV Clarifier for your pond

	Maximum pond size		Recommend flow rates and hose diameter		
Model	Water garden	Koi pond	Rec. Pump up to	Hose(I.D.)	
EUV-16W	11360(L), 3000(G)	6060(L), 1600(G)	6060(LPH), 1600(GPH)	3/4", 1"	
EUV-25W	15200(L), 4000(G)	7600(L), 2000(G)	7600(LPH), 2000(GPH)	1", 1-1/4"	
EUV-40W	22700(L), 6000(G)	13300(L), 3500(G)	13300(LPH), 3500(GPH)	1-1/4", 1-1/2"	
EUV-75W	37850(L), 10000(G)	18900(L), 5000(G)	18900(LPH), 5000(GPH)	1-1/4", 1-1/2"	

3. Integration of the UV-C system:

When integrating the EzClear UV Clarifier into the pond's water recirculation and filtration system big particles or dirt must be prevented from entering the unit as this will reduce the clarifier's efficiency:

The UV-C should always be installed after the pump. The various scenarios below are acceptable installations.

Water Flow Sequence:

Pond => EZ-Bio => Pump => UV-C => Filter => Pond

Pond => Pump => UV-C => Filter => Pond

Pond => Bottom drain => Settling tank => Filter => Pump => UV-C => Pond

Pond => Skimmer => Pump => Filter => UV-C => Pond

Pond => Prefilter => Filter => Pump => UV-C => Pond

When installing the EzClear UV Clarifier in line, we advise to take care that it can be easily removed for servicing. Avoid glued connections. Potential build-up of air pockets into the EzClear UV Clarifier in operation should be minimized as such may render the UV-C unit inefficient.

4. How to use parts offered and apply on the EzClear UV Clarifier: (This is an overview of the parts and different methods for connecting the UV-C.)

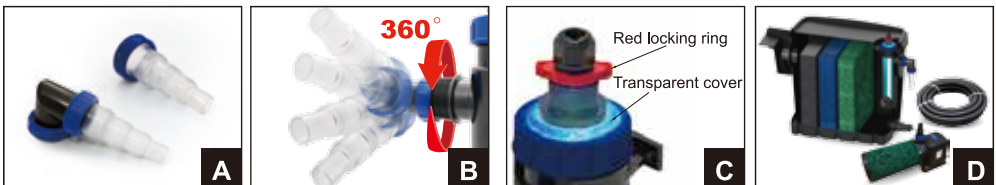
A. Install 4 section hose barb directly, available in straight and 90° angular functions.

B. 360° multi direction adjustment is more flexible to use.

C. Red locking ring: Easy to replace the UV lamp without a wrench.

Transparent cover: Easy to see the status of the UV lamp.

D. EUV-16W fits with Biosteps 10, and use Magna-Flow for complete filtration system.



NOTE: When connecting the 4 section hose barb to the selected hose, please cut (use a saw) the smaller sections which is not fitting to the hose.

5. Maintenance of the EzClear UV Clarifier:

UV lamp has a limited lifetime. To obtain the best performance for your EzClear UV Clarifier we recommend replacing the lamp every 9000 hours or at least once per season. For temperate climates servicing can be done in wintertime. First, take care to unplug the electrical power connection before any maintenance. Then disconnect the pump which is supplying water to the equipment.

•Replacement of UV lamp:

To replace the lamp, please loosen the red locking ring by hand and take out the lamp. Following the installation of UV lamp as section 1.

•Replacement or cleaning of quartz sleeve:

To clean the quartz sleeve, unscrew the blue cap and use soft cloth to clean the quartz sleeve.

To replace the new quartz sleeve, please loosen the red locking ring to take out the UV lamp first, then unscrew the quartz sleeve set by hand, and reassemble all parts by reverse process.

NOTE:

DO NOT touch lamp with bare hands.
Use a clean soft cloth or gloves to handle the lamp and quartz sleeve.

6. Warnings:

- Only use the EzClear UV Clarifier as this manual recommends.
- The EzClear UV Clarifier's electrical plug should be plugged into a socket with ground fault circuit interrupter (GFCI).
- In case the EzClear UV Clarifier and/or its ballast is installed above an electric wall outlet, care must be taken that the electrical cable has a hanging loop below the power connection point (drip loop).
- Do not operate equipment with damaged plug or electrical wire.
- Never yank or pull the cord from an electrical outlet.
- Always disconnect the power cord when it is not operation.
- Verify that hands are dry when plugging or unplugging the power outlet.
- Keep the plug and electrical connections dry to reduce the risk of electrocution.
- If by accident the EzClear UV Clarifier falls into the water, unplug the equipment from the electrical network immediately before taking it out of the water.
- The ballast is weather resistant, but it is suggested to place the ballast in an area it will be protected from splashing, flooding or dripping of water.
- This UV clarifier can be installed outdoors or indoors. Please be aware, for preventing water to seep in, the plastic nut with embedded electrical connection parts is securely installed out of the water.
- UV lamps produce harmful ultraviolet light and radiation. Never look directly at the lamp as damage to the eyes will occur.
- When handling the UV lamp and quartz sleeve, please use a clean cloth or glove as this will avoid staining the parts.
- Do not operate the UV clarifier for a prolonged time without water, because this will affect the UV-C's lifetime.

7. Limited Warranty :

Matala EzClear UV Clarifier will repair or replace for the original user any portion of a new EzClear UV Clarifier product which proves defective due to materials or workmanship of EzClear UV Clarifier within 1 year of purchase date.

Contact the nearest authorized EzClear UV Clarifier dealer for warranty service.

Matala EzClear UV Clarifier shall possess the sole right to determine whether to repair or replace defective equipment, parts or components.

THIS WARRANTY DOES NOT COVER DAMAGE DUE TO LIGHTNING OR OTHER CONDITIONS BEYOND THE CONTROL OF EZCLEAR UV CLARIFIER.

LABOR & COSTS : Matala EzClear UV Clarifier shall in no event be liable for the cost of field labor or other charges incurred by any customer in removing and/or reaffixing any Matala EzClear UV Clarifier product, parts or components.

THE WARRANTY WILL NOT APPLY:

- A. to defects or malfunctions resulting from failure to properly install, operate, or maintain the unit in accordance with printed instructions provided.
- B. to failures resulting from abuse, accident, overloading, or negligence.
- C. any modification made by the purchaser to the product will cause the warranty to be null and void.
- D. to units which are not installed in accordance with applicable local codes, ordinances, and good trade practices.
- E. if unit is used for purposes other than for what it was designed and manufactured for.
- F. if unit or components have been tampered with or modified in any way by an unauthorized dealer or repair shop.
- G. warranty does not include ② UV lamp and ③ quartz sleeve of EzClear UV Clarifier. The parts can be obtained from an authorized distributor.

SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AFTER THE TERMINATION OF THE WARRANTY PERIOD.

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