



CASJA80L

INSTRUCTION MANUAL



CONGRATULATIONS ON YOUR PURCHASE OF THIS CUBIC AQUARIUM SYSTEMS JELLYFISH AQUARIUM



THE FOLLOWING INSTRUCTIONS SHOULD BE READ IN FULL AND FOLLOWED PRIOR TO THE INSTALLATION, RUNNING, OR ADDITION OF ANY LIVE ANIMALS INTO YOUR AQUARIUM.

YOUR CUBIC JELLYFISH AQUARIUM HAS BEEN CAREFULLY DESIGNED TO OFFER MANY YEARS OF RELIABLE SERVICE WHEN SET-UP AND MAINTAINED IN ACCORDANCE WITH THESE INSTRUCTIONS.

FOR BEST RESULTS WE RECOMMEND THE USE OF THIS MANUAL COMBINED WITH THE INCLUDED JELLYFISH HUSBANDRY GUIDE

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BEFORE ASSEMBLING



THE AQUARIUM AND ALL OF ITS COMPONENTS SHOULD HAVE ALL PACKAGING REMOVED AND BE INSPECTED TO ENSURE THERE HAS BEEN NO DAMAGE WHILST IN TRANSIT. IF ANY DAMAGE IS EVIDENT, YOU SHOULD CONTACT YOUR DEALER AS SOON AS POSSIBLE BEFORE SETTING UP THE AQUARIUM.

YOUR AQUARIUM PACKAGE WILL INCLUDE THE FOLLOWING

- 1 x Cubic Jellyfish aquarium
- 1 x Top cover panel
- 1 x Top cover rear panel
- 1 x Rear cover panel
- 1 x Media tower assembly with lid and pump connection
- 1 x Remote control for the LED lighting system. (Requires 2 x AAA batteries - not included)
- 1 x Adjustable circulation pump
- 2 x Filter sponge inserts
- 1 x Removable LED light strip
- 1 x Sealed power distribution box
- 2 x Power distribution box retaining screws
- 1 x set of male/female connector hose tail's for chiller connection
- 1 x Multi-language instruction manual and jellyfish keeping guide
- 3x O-rings (CASOR20, CASOR90 & CASOR100)

COMPONENT INSTALLATION

THE CUBIC JELLYFISH AQUARIUM HAS BEEN THROUGH EXTENSIVE DEVELOPMENT AND TESTING TO ENSURE THAT IT OFFERS THE BEST CONDITIONS AND CATERS FOR THE VERY SPECIFIC NEEDS OF JELLYFISH. IMPORTANT: UNDER NO CIRCUMSTANCES SHOULD ANY FORM OF MEDIA, SUBSTRATE OR DECORATION BE ADDED TO THE MAIN DISPLAY AREA.

IMPORTANT:

When filled with water, the aquarium will weigh approximately 120kg. The aquarium should therefore be placed on a flat level surface capable of supporting a minimum recommended 150kg. Any support should also be of sturdy construction to eliminate the chances of the aquarium toppling or falling should it be accidentally pushed or knocked.

IMPORTANT:

The aquarium should be sited out of the reach of young children and away from direct sunlight where possible as this may induce excessive algal growth and overheating of the water which can result in stress and damage to any livestock present.

IMPORTANT:

Under no circumstances should power be supplied to the aquarium prior to it being filled and the circulation pump submerged. Failure to do so may result in severe damage to the pump internals and loss of applicable warranties.

IMPORTANT:

After siting the aquarium and ensuring that it is level, remove the rear top inspection panel to gain access to the filtration chamber. Also remove the rear panel by sliding upwards on its guides to gain access to the electrical control box mounting point. IMPORTANT: Under no circumstances should the electrical control box be opened. Opening this box without authorization will result in loss of applicable warranties.

ELECTRICAL BOX

FIG. A

Secure the electrical box in place by sliding it into the 4 securing points on the rear inner panel. Then tighten the 2 securing screws

FIG. B

IMPORTANT: The electrical control box should always be located in such a way that all incoming and outgoing power cables do so from the underside to prevent water entering any seals.

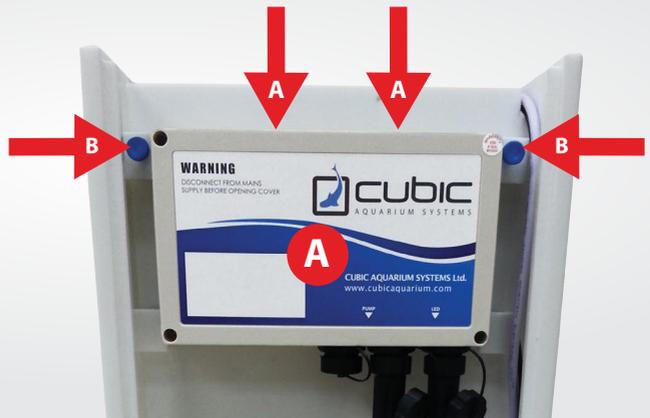


Fig.2



MEDIA TOWER LID

Take the cylindrical media tower (Fig2: B) and remove the lid by pulling it gently upwards (Fig2: A) The lid seals with an O-ring that sits in a groove around the edge of the lid flange.

FILTER MEDIA

Fill the media tower with a suitable 'marine' applicable media such as very coarse (>8mm) coral gravel, artificial bio media such as porous ceramics, or for best results, use lightly crushed coarse live-rock rubble which will act as a good biological filter with the additional benefit of host micro-fauna. If a non-bacterially live media is used, it is recommended that it is 'seeded' biologically by mixing in a small amount of live rock rubble from your marine aquatic retailer or by the use of a proprietary maturation fluid. After filling the Media tower, flush several times with salt water to wash out any fine sediment or particulates that may otherwise be passed into the aquarium on start-up.

IMPORTANT:

We do not recommend using a bio media with particles that are smaller than 8mm. These can block the holes in the bottom of the media tube causing pressure to build up which can force the lid to come off.

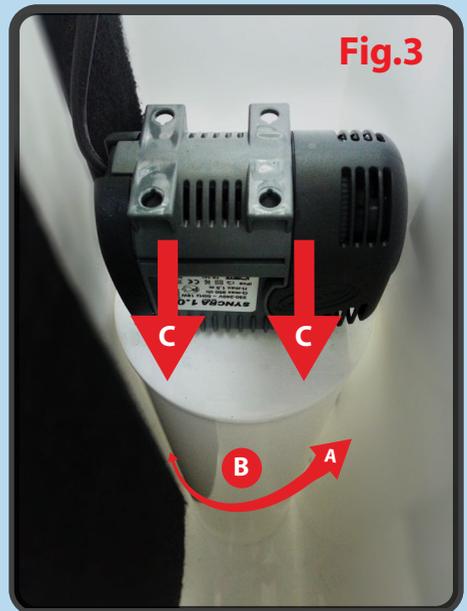
MEDIA TUBE

Once filled and flushed, the media tower should be inserted into the rear compartment (Fig3: B) and located into its seat at the bottom of the chamber. This is a simple locking system requiring alignment of the 3 tabs on each face to interlock, afterwards apply a gentle twist with downward pressure to lock the media tower into place against its O-ring seal (Fig3: A). **IMPORTANT:** Under no circumstances should the fitting be forced or over-tightened. Apply only a gentle twisting action with slight downward pressure until the unit feels secure in its seat.

CIRCULATION PUMP

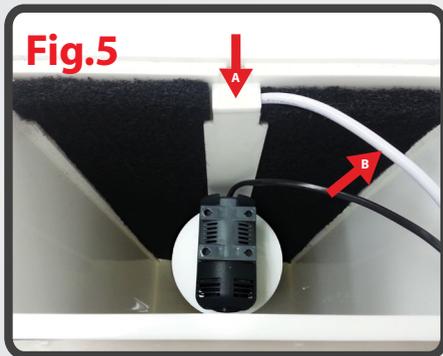
Once the media tower is in place, Attach the outlet of the circulation pump onto the fitting supplied on the lid of the media tower, (Fig2: D) the lid should then be inserted into the top of the media tower, ensuring it is firmly seated against its O-ring seal (Fig3: C). On the front face of the circulation pump is an adjustable grill that controls the amount of flow produced. Set this to 'minimum' initially. (Fig2: C)

Fig.3



FILTER SPONGE

The aquarium comes with 2 x carbon impregnated filter sponges (Fig 4A). Ensure that both sponges are seated correctly into their respective guides on either side of the rear perforated diffuser plate (Fig 4B). The sponges will help trap any waste or uneaten food, and will help disperse the suction of water through the rear diffuser plate over a wide area to ensure no livestock becomes trapped against the diffuser plate.



LED LIGHT STRIP

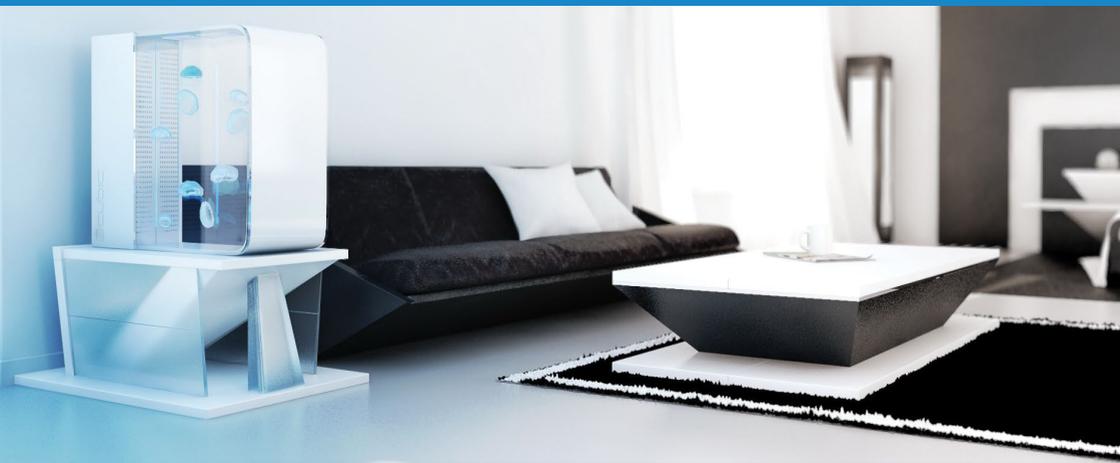
Trace the cable from the LED light strip (Fig5: B) which exits from the removable cover at the centre of the rear diffuser plate. Connect the end of this cable to its respective partner which can be found exiting the electrical distribution box. Ensure that the threaded coupling is firmly connected and tightened to ensure a water tight seal. Should the LED light strip require replacement at any time, this can easily be done by removing the protective top cover on the light strip channel (Fig5: A) and sliding the old strip out prior to replacement with a new unit.

ADDING AN EXTERNAL FILTER OR CHILLER

If using a chiller or remote power filter, unscrew the two blanking plug flanges from the inlet and outlet pipework on the outside of the rear panel (Fig6:A) and connect using the supplied male and female hose tails. If hard-plumbing the aquarium, the blanking plugs may be cut, leaving enough pipe left over to allow bonding to other fittings. **IMPORTANT:** Always use inline taps between the aquarium and any external equipment so that water lines may be closed in the event of a leak. If not using any kind of external device, ensure both blanking plugs are tightened gently by hand prior to filling the aquarium.



FILLING THE AQUARIUM



IMPORTANT:

We highly recommend the use of pure Reverse Osmosis or De Ionised water mixed with a good quality aquarium salt when keeping jellyfish. Pure Reverse Osmosis or De Ionised water should also be used when replacing water that has evaporated from the tank. The use of tap water is not recommended as it may contain excess pollutants or high concentrations of Chlorine and other contaminants which may be extremely harmful to the aquariums inhabitants.

Mixing salt water

Using Reverse Osmosis water and a reputable brand of marine aquarium salt that closely matches natural sea water composition, make approximately 80-90 lts of salt water with a salinity of 34-35ppt (this should be tested using a reliable refractometer or hydrometer available from your aquatic retailer). This water must be mixed and allowed to aerate for a minimum 24 hours before coming into contact with jellyfish. Alternately, use pre-mixed salt water from your aquatic retailer if available.

Filling the aquarium

Add water to the aquarium to within 1" of full. The rear filter compartment and media tower will fill automatically as water passes through the rear diffuser plate and filter sponges into this compartment.

Checking for leaks

Inspect for leaks and check all fixtures and fittings to ensure they are securely fastened.

Routing cables

Route all cables accordingly via the handy cut outs to allow outer panels to sit level, and then replace all inspection covers including the main rear panel by sliding it down its respective guides leaving the main power cord exiting the aquarium via the cut-out at the base of the rear panel.

Connecting the power supply

Connect the aquarium to a suitable power supply ensuring that there is enough slack in the power cable to allow a drip loop before the plug. This will ensure that no water can enter the mains plug should there be a leak resulting in water running down the power cord.

Inspection

On start-up, the aquarium light will temporarily start up before going into standby. Inspect the circulation pump to ensure it is functioning correctly. A small amount of air bubbles will commonly be encountered as the pump and media tower expel any trapped air. **IMPORTANT:** Under no circumstances should Jellyfish be added whilst the aquarium water is populated with air bubbles.

USING REMOTE CONTROL

The aquarium comes with its own remote control system for adjustment of the LED lights. The remote can change various settings which include: Light intensity / Fixed or Auto Colour Change / Auto Colour Change Speed. The remote control will function up to a range of approximately 40ft



To turn on the light Press Key A

To turn off the light Press Key B

To set a particular colour, gently slide your finger around the colour wheel stopping at the required colour or simply press at a chosen point on C

To turn on the auto-colour-change mode, Press Key F

To adjust the brightness up or down use keys D

To adjust the speed of colour change (only applicable in auto-colour-change mode) adjust faster or slower using keys E

NOTE:

If the remote control stops working it may have lost its radio sync with the aquarium, you can re-sync it with the following procedure; Disconnect the power to the electrical control box Leave the power off for at least 10 seconds Re-connect the power to the electrical control box press the S+ key within a few seconds

MATURING THE AQUARIUM AND ADJUSTING FLOW RATES



Maturing the aquarium filter

If using fresh mixed salt water and/or artificial media that require maturation, then the aquarium should be left to run for two weeks prior to the addition of any livestock.

IMPORTANT:

Jellyfish are highly sensitive to freshly mixed salt water. The settling period allows the water to 'age' and stabilise chemically, and for the bacterial colonies to establish on and within the media. If using fresh mixed water with a pre-matured biologically active filter (live rock rubble) then the settling period may be reduced to 1 week.

Adjusting the flow

Once livestock is added, the flow rate should be adjusted. This can be done by turning the flow adjustment grill on the intake of the circulation pump (Fig2: C). For best results with Jellyfish, the flow rate should be such that the animals are very gently circulated around the aquarium at a rate no more than that required to prevent the Jellyfish from settling out on the bottom. This rate of flow will also help keep food suspended in the water column where the Jellyfish can feed effectively.

For information specifically relating to Jellyfish husbandry and water quality testing, we strongly recommend reading the included 'Jellyfish Husbandry Guide'

MAINTAINING AND CLEANING THE AQUARIUM



External Surfaces

To clean all external surfaces, use a soft lint-free cloth made damp with clean water or RO water. Any smears or minor marks may be polished away afterwards by wiping down with a second soft lint-free dry cloth. **IMPORTANT:** Under no circumstances should detergents, spray cleaners or any other chemical agent be used on or near the aquarium. Using such materials can harm the inhabitants and/or damage the acrylic finish and/or weaken the bonding agents used in construction. Any such use will invalidate any applicable warranties.

Internal Surfaces

Over time the internal surfaces of the aquarium including the viewing panes may show a build-up or fine film, commonly known as a 'biofilm' consisting of bacteria and minor algal populations. These may be removed by regular gentle wiping with a suitable soft sponge or dedicated acrylic cleaning pad available from your aquatic retailer. **IMPORTANT:** Under no circumstances should any excessive pressure be used when cleaning, nor any form of harsh abrasive material be used. The use of such materials may damage the vulnerable acrylic surface impairing its clarity and tendency to resist further biofilm accumulation.

Filter Sponge Maintenance

The internal carbon impregnated filter sponges will need regular routine maintenance to maintain even flow, and to reduce the chances of any animals becoming stuck against the rear diffuser plate due to differences in ambient flow rate. The regularity of maintenance required will depend on the number of animals kept and the amount/types of food used. As a general recommendation it is suggested that the sponges be removed by sliding them out of their respective guides (Fig 4) and rinsed under hot running water before being given a final rinse in RO water at least once every two weeks. Slapping the sponges against a hard flat surface between rinses will help dislodge heavy accumulations of detritus or uneaten food. With regular maintenance the sponges should last for a period of up to 3 months at which point they will need replacing. Replacement sponges are available from your dealer.

IMPORTANT: only genuine Cubic Jellyfish Aquarium sponges should be used.

Additional filtration

If stocked and fed sensibly, the built in filtration system will be perfectly adequate in most cases. Although typical Jellyfish species such as the moon jellyfish are remarkably adaptable to varying water conditions, there may be the need to use additional filtration Medias in cases of heavy stocking or heavy feeding. If the addition of extra filtration media is required to maintain better water conditions between water changes, this may be achieved by connecting a suitable remote power filter via the rear external water inlet/outlets (Fig6). Or by way of a simple media bag placed inside the rear filter chamber containing a mix of marine applicable carbon and/or phosphate removing media.

Water Changes

Regular water changes are an essential and accepted part of maintaining a healthy aquatic environment. Whilst the built in filtration system will help break down a large percentage of any waste and uneaten food generated, the accumulation of organic material and lowering of water quality over time mean that a regular routine of water changes are essential to both dilute unwanted accumulations, and to replenish vital trace elements that are provided in the salt water. It is therefore recommended that on a monthly basis, at least 20% of the aquariums water be exchanged for new. Ideally water changes should be split across two changes performed once every two weeks at the same time the filter sponges are cleaned. The addition of small amount of new salt water will have no adverse effect on any animals present as long as it is well mixed and aerated prior to addition.

IMPORTANT: Always remember to turn off the circulation pump when conducting water changes to prevent the pump scavenging air. Never add new water to the main display area as this may add bubbles to the display that can damage the Jellyfish if they become trapped under the body. New water including fresh top-up water should always be added to the filter compartment only. The circulation pump may be turned on again only after it has been fully submerged.

TIP: Some minor accumulation of fine particulates or uneaten food may be encountered on the base of the aquarium over time. This detritus should be syphoned out during water changes. Care should be taken to avoid making contact with any livestock during this process as they may be harmed by the suction created by such devices as syphon hoses etc.

TIP: The media tower will need occasional routine rinsing to wash out any heavy accumulations of detritus or organic matter. This can be done during water changes by removing the media tower and plunging it in and out of the water removed during the water change.

IMPORTANT:

The media tower should only be rinsed in SALT water. Rinsing in fresh water will destroy the beneficial bacterial populations that have grown and are essential for on-going biological filtration.

TIP: After any form of maintenance that has involved turning the circulation pump on or off, or it becoming exposed to air, observe to see if any air is evacuated into the main display once the circulation pump is turned back on. Any air bubbles that do get stuck under the Jellyfish can be released by gently flipping the Jellyfish over using an applicable tool such as a piece of acrylic rod etc. with a blunt end.

Circulation pump maintenance

Circulation pump maintenance: The integrated circulation pump should be removed and cleaned every 3 months as part of a regular routine maintenance schedule. The pump impellor can be extracted by firstly removing the front intake grill of the pump. Once removed, the impellor can be pulled from the main pump body allowing cleaning and inspection. Take special note of the condition of the impellor and its associated shaft and bearings which are wearable items that may need replacement from time to time. Replacement components may be obtained via your local dealer.



FOR FURTHER INFORMATION VISIT

<http://cubicaquarium.com>

For additional support and advice visit the Cubic Forum and join the Jellyfish community <http://www.cubicaquarium.com/forum.php>
For Technical support email info@cubicaquarium.com

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For all warranty claims and spare parts please contact your local Cubic dealer.



www.cubicaquarium.com

Information correct at time of publication.

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