High Capacity Artemia Harvester

MAKING ARTEMIA EASY

Aquaculture

Concentrator

A

Varicon Aqua's team has more than 35 years' experience providing high quality engineering and consumable products into the algal bio-technology and aquaculture sector. This experience has led to the development of solutions appropriate for both **laboratory and industrial** settings.

Our Artemia Concentrator (**Concentrator-A** or **C-A**) is a high capacity harvester designed and manufactured in-house with our more than 35 years knowledge and experience working in and with marine hatcheries world-wide.

The C-A is easily adapted, customised and sized to fit most hatcheries operating with 100's of millions **up to several billion** of artemia in one easy operation.

The Varicon Aqua C-A has been designed with the highest industrial grade components to ensure a durable quality build. All materials are tested and tried to withstand the corrosive environment found in marine hatcheries. The harvester is fitted with a **woven 316L stainless steel mesh which incorporates a dual air curtain diffuser system** designed to accelerate the passage of waste from hatching and enrichment through the screen while maintain a high harvesting and rinsing flow rate. The C-A is adapted for either pump or gravity harvesting, rinsing and concentrating Artemia at any stage.

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Description.

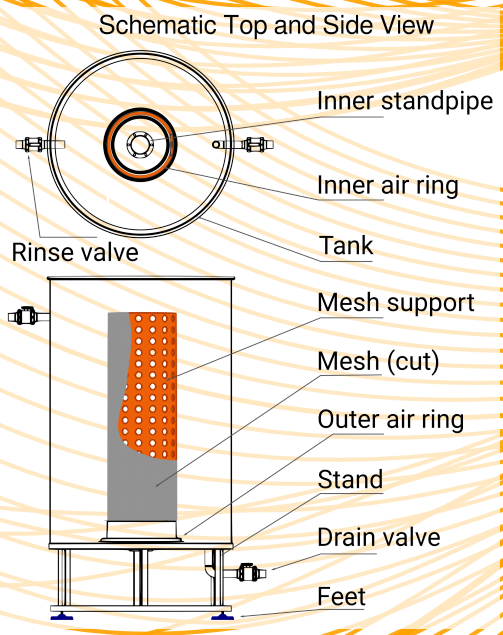
The Varicon Aqua Harvester has no moving parts and consists of a food grade MDPE tank with adjustable feet. The C-A is designed with stainless steel fittings and a 110 µm mesh using a heavy-duty PVC pipe as support structure with an inside stand pipe. In its normal configuration it is fitted with dual air curtains to keep the screen clear and decrease clogging during operation. The screen unit and standpipe, which are locked in place with tight sealing O-rings to ensure no nauplii escapes can be removed. The volume of the harvester can be set by standpipes of varied lengths. Rinsing water is released under the surface to protect the Artemia. The nauplii can be harvested from the C-A via the drain valve into a container of your choice or via a connected pump.

Operation.

- Ensure the tank is level, adjust the feet if needed.
- Install the central standpipe and fill up the tank.
- Turn on the air ensuring the air curtains are even.
- Turn on the oxygen and monitor the DO level throughout.
- Start harvesting from the tank and begin rinsing.
- Monitor the operation throughout.
- Rinse until exit water is clear.
- Stop the rinsing and turn off the air and oxygen.
- Thoroughly clean the C-A ready for the next harvest.

If you need to further concentrate the live feed.

- Partially remove the central standpipe while controlling the rate of water flow.
- Ensure you keep the air curtain operating throughout this process to ensure live feed is not stuck onto the screen.
- Gently rinse the screen from the top during this step to ensure live feed is not sticking to the screen.
- Replace the central standpipe when you have reached the desired level of concentration of transfer volume.



Options.

- Tank size and shape
- Mesh size
- Drain dimensions
- Single or dual air curtains
- Is available for most live feed like rotifers and also other nauplii like copepods or barnacles

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Our guarantee.

As with all Varicon Aqua systems we pride ourselves on the high level of after sales support we provide to our clients whether it's a systems issue or a technical production question.

We are highly approachable.

"Come talk to us about your needs!"

Contact: variconaqua@variconaqua.com - www.variconaqua.com

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