

MICRO-NANO BUBBLE GENERATOR

ASK III

OPERATION MANUAL



MANUFACTURED BY ASUPU CO. LTD. Made in Japan

Please read this manual carefully to operate the machine in safe manner.

Specifications

Model: ASK III

Outer dimensions: 240mm(H) x 310mm(W) x 220mm(D)

Weight: Approx. 15kg

Power: AC 100v

Power Frequency: 50/60 Hz

Power Consumption: 550W

Capacity: Adjustable up to 7-10 liters per minute

Connecting hoses and supplying prime water

1. Place the machine in horizontal secure place.
2. Connect both inlet and outlet hoses as marked.
3. Add 1-2 liter of prime water from inlet hose.
4. Supplying prime water is needed only at the set up but may be needed when you relocate the machine.

Caution

1. After connecting ground and plug in, please confirm the operation of short circuit protection breaker (Ground Fault Circuit Interrupter).

Plug in

Depress reset button -> Power on

Depress test button -> Power off

Depress reset button to operate.

2. Please DO NOT try to disassemble the machine.
3. Make sure NOT to use loose electrical outlet.
4. Make sure to connect the ground wire attached to the plug.

Operation

1. Make sure the machine is set on secure place.
2. Make sure the reset button is depressed (The power indicator light is on.) and ground wire is connected.
3. Make sure the hoses are connected to the right places.
4. Make sure the machine is placed at plus or minus 1m in height with relation to water surface.
5. Feed about 1 litter of prime water through inlet hose.
6. Turn the timer switch left to ON for continuous operation and right for timer operation up to 30 minutes.
7. Air inlet is located in front of the machine. You can supply specific gas (like oxygen) through the connector. 100ml per minute max.
8. All the valves have been factory adjusted with tap water. Make necessary adjustment when you are using other liquids. (refer to Page 4)

Note:

- There might be splash of water come out from air release valve which is located at the top of the machine. This is normal as the machine is purging excess water and air.
- Do not lift inlet hose from water surface during the operation.

Timer/On-Off switch

Turn the knob counter clockwise for continuous operation, clockwise for timer operation up to 30 minutes.



Air intake valve (left Yellow-green valve)

Factory adjusted for the open air.

It is adjustable to achieve desirable MNB output for various gasses like oxygen, hydrogen, nitrogen, carbon dioxide, ozone etc. and for high viscosity liquids.

Air release valve (right top)

The excess air in the chamber is released.

MNB output adjustment valve (right Green valve)

Factory adjusted for open air.

It is adjustable to achieve desirable MNB output for various gasses like oxygen, hydrogen, nitrogen, carbon dioxide, ozone etc. and for high viscosity liquids.

It is recommended at the start up, open this valve for a half turn then slowly close to find desired MNB water quality and output.

- * It is recommended to clean this valve when you are not getting enough MNB output as it might be clogged with some foreign materials.



Inlet/Outlet hoses

Left: Inlet hose Right: Outlet hose

Connect them to inlet/outlet



Air intake

(The flow gauge is an option)

Connect desired gas here.



Fuse

8A fuse is recommended.



● Additional operating hint

Completely draining water (or other liquid)

Run the unit with clean running input water without circulation.

Take inlet/outlet hoses off.

Take off air release valve by turning it counter clock wise.

Drain all the water inside from the top where air release valve was and inlet/outlet joints.

This operation is recommended for long time storing and in case of changing liquids.

One (1) Year Limited Warranty

Model: ASK III

Serial No:

Original Customer:

Purchase Date:

Asupu Co.,Ltd warrants this hardware product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original end-user purchaser. If a hardware defect arises and a valid claim is received by Asupu within the Warranty Period, at its option and to the extent permitted by law, Asupu will either (1) repair the product at no charge, using new parts or parts equivalent to new in performance and reliability or (2) exchange the product with a product that is new or equivalent to new in performance and reliability and is at least functionally equivalent to the original product. Asupu may request that you replace defective parts with new or refurbished user-installable parts that Asupu provides in fulfillment of its warranty obligation.