

MICRO-NANO BUBBLE GENERATOR

MA3FS

OPERATION MANUAL

JPN PAT.No.3762206

JPN PAT.No.4694633



MANUFACTURED BY ASUPU CO. LTD. Made in Japan

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

Specifications

Model: **MA3FS**

Outer dimensions: **H380mm × W360mm × D210mm**

Weight: **Approx. 7kg**

Power: **AC 100v**

Power Frequency: **50/60 Hz**

Power Consumption: **40W**

Capacity: **Adjustable up to 120–150cc/min.**

Materials **PTFE•SUS304•ceramic**

Viscosity limit **50mPa•s**

Heat-resisting **Up to 80°C**

Caution

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

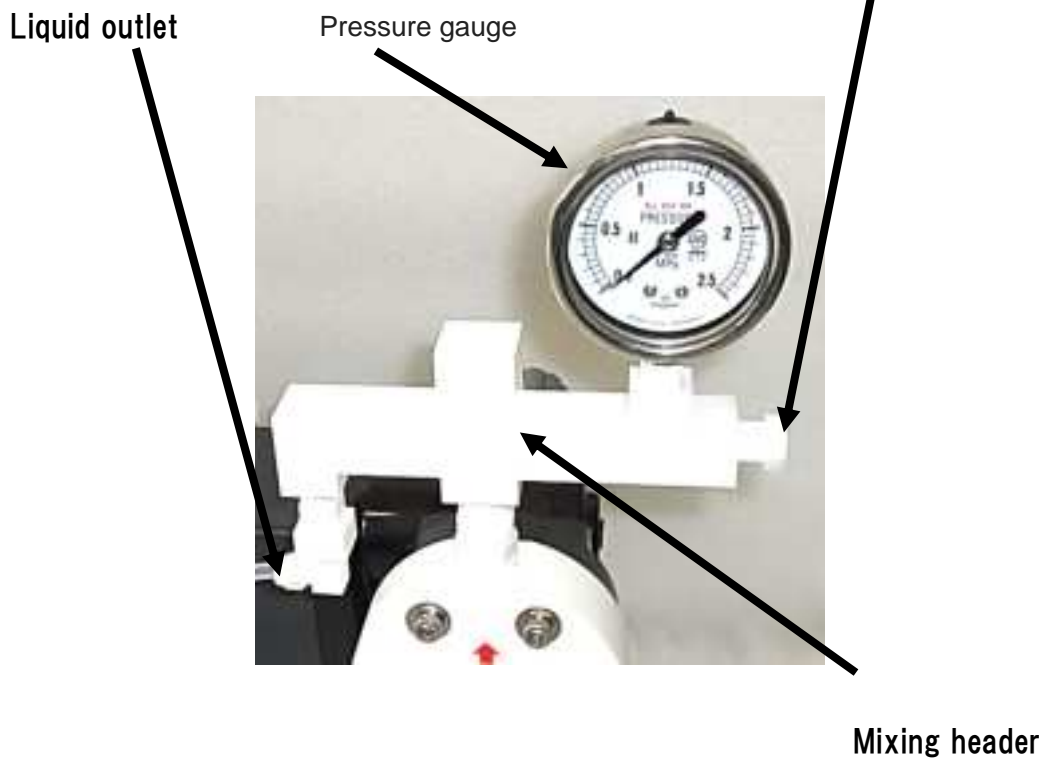
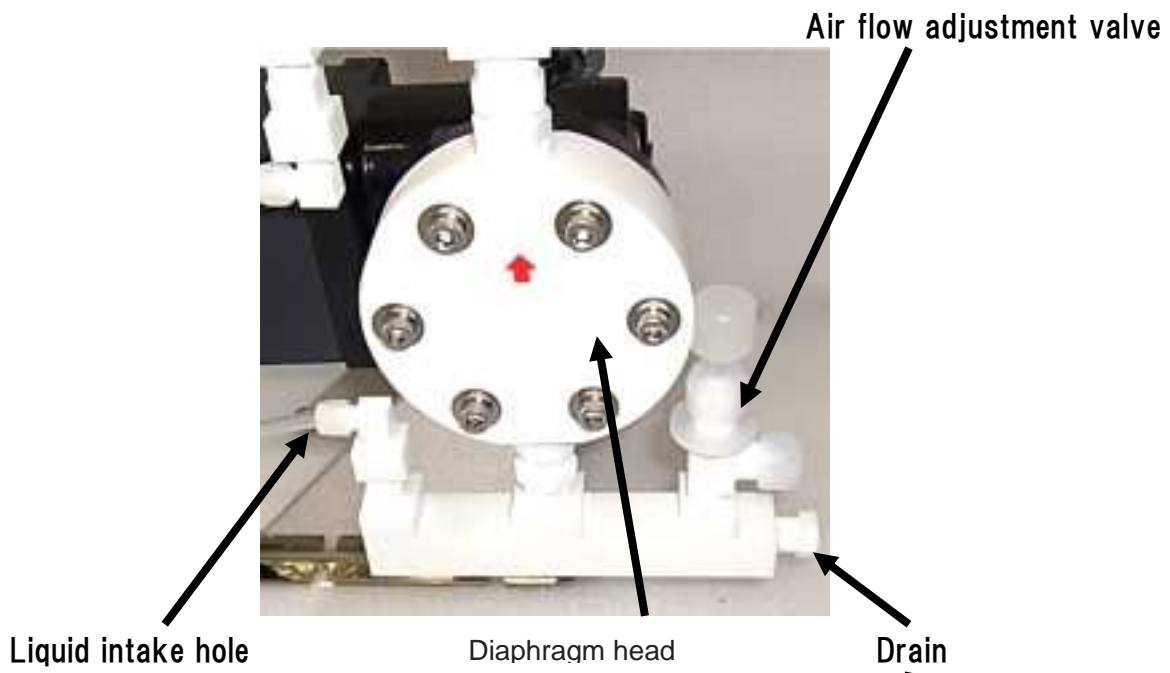
Operation

1. Make sure the machine is set on secure place.
2. Make sure the hoses are connected to the right places.
3. 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.

【Name of parts】



Operation]

- Please the power switch to the ON position.

[Adjustment]

- When the pressure exceeds the 2.5Mpa, stop the operation immediately and please contact us.
- The best position of '**Air flow adjustment valve**' might change depends on liquid and gas you use. Please be adjusted to between 1.0 ~ 1.2MPa by controlling **Air flow adjustment valve**.

[Stop]

- Please in the OFF position the power switch.
- If you do not use more than a week, please wash the piping and wetted parts in hot water of 60 °C more than 30 minutes .
- After you use the liquid easy to crystallize ,please wash the piping and wetted parts in hot water of 60 °C more than 30 minutes .

One (1) Year Limited Warranty

Model: MA3FS 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.