

Fine Bubble Generator

(Fine Bubble preparation with built-in pump)

FBG-01



≪Features≫

- Possible to adjust aeration and deoxidized water for breeding animals.
- Even without high pressure cylinders and compressors, it can still be used because Air (Gas) is self-contained.
- This generator come together with Eheim Starter (water siphon hand pump).
- Flow meter with a needle valve is equipped as standard, adjustment of Air (Gas) introduction amount is possible.
- By using the optional [Starter kit for experiment use], one can start experiment immediately after purchasing the main unit by just preparing container such as water tank, basket, beaker and etc.
- In addition to various gases supplied by cylinders, fine bubbles can also be prepared from the gas sealed in the push tube (Spray-can) by using the optional [Spray-can kit for experiment use].
- ldeal for preparation of small volume fine bubble solution up to several liters.

FBG-01
About 4.0l/min (60Hz)、About 3.2l/min (50Hz)
0~60 ℃
IN • OUT : Tube fitting (OD ϕ for 10mm)
IN : Tube fitting (OD ϕ for 6mm)
Self-contained
Adjustment via flow meter with needle valve
Rubber packing, seal tape
Atmospheric pressure-0.2MPa or less
AC100V 60/50Hz、110/70W
W160×H220×D310mm、6.6kg
Power cord, water siphon pump, user manual and warranty card

%1 Flow range : 50~500CCM (Air/N2).

Note) In principle, please use it for freshwater and seawater only.

Please be aware that some components are made of plastic or resin and cannot be used for solvents such as alcohol.

Corrosion resistance table

Fluid/Liquid	Concentration
Sodium hypochlorite	Up to 5ppm
Caustic soda	Up to 5%
Citric acid	Up to 15%

% Above table, when liquid temperature is at 0~40°C.

X Regarding chemical resistance, check first whether it is suitable for the intended use, example by conducting a test before use.

≪External dimensions≫



W160×H220×D310(mm) %Excluding protrusions

«Dissolved oxygen concentration of tap water by using N2 gas fine bubble (experimental data)»



\ll Options \gg (sold separately)

[Starter kit for experiment use]

The following kits come as a set. Once purchasing it together with the main unit, one can start an experiment and etc. immediately by just preparing container such as water tank, bucket and beaker.

1	Tube • Thermometer holder	: 3 pcs
2	Solution tube (9x12:1m)	: 2 pcs

- ③ Underwater weight for tube :2 pcs
- ④ Thermometer (Red liquid stick $0 \sim 100^{\circ}$ C) : 1 pc

[Spray-can kit for experiment use]

The following kits come as a set. Once purchasing it together with the main unit, fine bubbles can be prepared from the gas sealed in the push tube (Spray-can).

1	Gas flow regulator	: 3 pcs
2	Gas tube (4x6:0.5m)	: 2 pcs