

Gas changer MG-GCH02

Automatic switching before the gas cylinder that is connected to the CO₂ incubator becomes empty. Optimal for long-term culture experiments in which the gas is constantly supplied.

•CO₂ incubator/Multi-gas incubator --> P.048-049



Gas pressure is displayed digitally

Gas pressure of two cylinders is displayed in real time respectively.

Gas hose connection port can be moved from the back of the main unit to the left or right side of the unit

The gas hose connection port can be moved from the back of the main unit to the left or right side of the unit, depending on the installation situation of the CO₂ incubator.

Model	MG-GCH02
Usage gas	CO ₂ /N ₂ (Customizable for O ₂)
Gas pressure range	0 to 0.2 Mpa
Gas connection port	Barbed nozzle φ9 mm (Replaceable: 1/8Rc)
Alarm functions	Red LED display, Buzzer
External output	Relay contact output, analog output, RS-232C
Dimensions(W×D×H) /Weight	200 × 245 (Nozzles included) × 90 mm, Approx. 1.7 kg
Power supply	AC100V/1A (Need a step-down transformer)

Features and Applications

- Gas pressure is displayed digitally
- Sets the gas pressure of another one to be switched
- Gas hose connection port can be replaced from the back of the main unit to the left or right side of the unit
- Automatic switching of gas cylinders in CO₂/Multi-gas incubators

Usage of the Gas changer

- ① Connect 2 gas cylinders to the Gas changer
- ② Automatic switching to the another gas cylinder when one gas cylinder becomes empty.
- ③ Alarm lamp lights up when the pressure of the cylinder is lower than the set pressure (The lamp blinks when the gas pressure is not applied).
- ④ Replace the empty cylinder and connect a new one to the Gas changer



Optional Accessories for MG series

Product Name/Model	Remarks	Applicable models
Regulator (φ9 mm barbed nozzle)	1 pc is required for each cylinder.	ALL
Shelves for MG	Shelf ×1 pc, Shelf board × 2 pcs, if necessary.	MG-71C, MG-71M
Stackable base for MG	The fixing tool when stacking in use.	All
Single stand for MG	To utilize the space effectively (see dimensions on the right)	All (Up to 520 × 500 × 560H mm of ones can be stored in the space.)
Dual stand for MG	To avoid placing the unit on the floor directly.	All
Support rack for Multilayer culture plates	with 1 × supply hose for Multilayer culture vessels	MG-71C-A, MG-71M-A (When using Multilayer culture plates)
Branch unit with mounting brackets for MG	Six branch gas tube, with Connection hose and Mounting brackets	MG-71C-A, MG-71M-A (When using Erlenmeyer flasks, up to 6 pcs)
Supply hose for MG	Supply hose for Erlenmeyer flasks, 6 pcs	MG-71C-A, MG-71M-A (When using Erlenmeyer flasks, up to 6 pcs)
Flask Cap B	For 125/250 mL Disposable flasks, 6 pcs	MG-71C-A, MG-71M-A (When using Erlenmeyer flasks, up to 6 pcs)
Spinner flask ventilation cap for MG	GL45, for 500 mL to 3 L, 6 pcs	MG-71C-A, MG-71M-A (When using Spinner flasks)
Syringe filter E255	Required for "Active Gas Ventilation", consumables, 50 pcs	for Flask Cap B and Spinner flask ventilation cap (When the standard ones are consumed)
External fan unit for MG	Required when the shaker or stirrer is put inside the unit. (*)	MG-71C-A, MG-71M-A

(*) Not required for Shaker for high humidity CS-LR (page 52) as its heat generation is low.

• Branch unit with mounting brackets for MG/Spinner flask ventilation cap for MG/Flask Cap B are collectively available as "Branch tube set for MG".