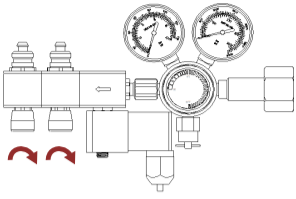




LIFE AQUA

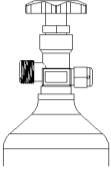
INSTRUCTIONS



01

Close the needle valve

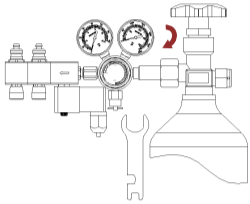
Turn the dial clockwise to close all needle valves completely.



02

Inspect the CO2 cylinder Type and its interface thread:

National Standard Cylinder: G5/8
 Japanese or Taiwanese Standard Cylinder: W22-1/14
 European Standard cylinder: W21.8-1/14
 American Standard cylinder: CGA320



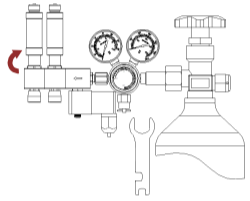
03

Connect to the CO2 cylinder

For the CO2 cylinder with valve, align the female nut of the inlet adapter with the male thread of the cylinder valve, tighten loosely to ensure proper connection, then adjust the location and orientation of the regulator. Once correct firmly tighten the nut by hand or wrench. (**Do not over tighten.)

Note: Before connection to the cylinder, make sure to inspect if the sealing gasket of the inlet adapter is in place or has any visible scratches, broken edges, contamination etc. If any of these issues are found, please replace urgently to avoid operating issues.

Note: During this connection procedure, it is normal for some gas to vent out, continue tightening the nut further until it is completely tight and no further gas escapes.



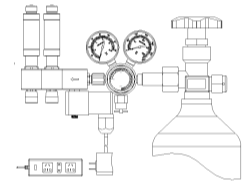
04

Install the bubble counter

Screw off the top cover of the bubble counter, fill the acrylic tube with 2/3 water, hand tighten the cover back on firmly. Do not over tighten as you may risk cracking it.

Screw the bottom nut onto the manifold block needle valve in a clockwise direction, ensure it is firmly sealed.

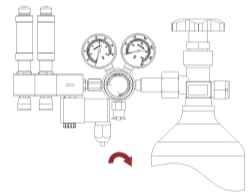
Remove the lock nut on the top cover of the bubble counter, place the tube OD 6mm x ID 4mm through the lock nut and plug the tube onto the outlet nipple of the top cover, tighten the locknut firmly once done.



05

Connect to the power supply:

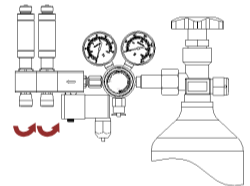
Plug the USB connector of the solenoid valve into the power adapter, then plug the power adapter into the power supply.



06

Adjust the Output Pressure

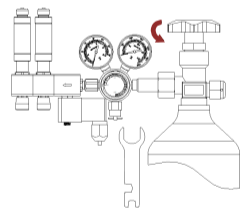
Open the cylinder valve, turn the handle knob of the regulator clockwise, set the output pressure above 0.2Mpa (30psi) but lower than the low pressure in the red display range



07

Adjust the bubble amount

Turn the adjustment dial of the manifold block needle valve anti-clockwise until large bubbles start forming, then slowly twist the adjustment dial clockwise to reduce the bubble rate until you get your desired bubble per second.

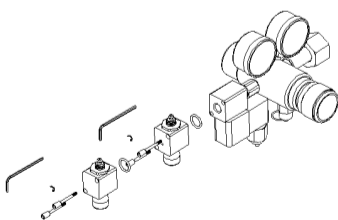


08

Replace the CO2 Cylinder

When the pressure gauge needle indicates "0", the CO2 cylinder needs to be replaced by a new one by following the below procedures:

- ☞ Close the cylinder valve
- ☞ Turn off the regulator
- ☞ Turn off the needle valve
- ☞ Screw out the inlet adapter by the wrench provided in the box
- ☞ change the cylinder.



09

Install extendable manifold block needle valves

Take off the manifold end-block needle valve by the S3 Allen wrench provided in the box. Inspect and ensure the O-ring is located inside the center port of the extendable manifold block.

Align an extendable manifold block with the solenoid manifold block or with the former extendable manifold block and hold firmly, insert two screws into the two mounting holes respectively and use the S3 Allen wrench to screw them tightly;

Repeat this procedure to install additional extendable manifold blocks; Screw back the manifold end-block needle valve and you will be ready to use the system.

Note:

The extendable manifold block has a small hole on the opposite side against the side with center hole. The manifold end-block has no small hole on the opposite side against the side with center hole.

FAQ

	Issues & causes	Solution
No gas comes out of the bubble counter	Shortage of the water	Add water into the bubble counter
	The regulator is in off mode	Turn the regulator handle knob clockwise and re-set the output pressure according to the above instruction no.6
	The solenoid valve is off	Plug the power adapter of the solenoid valve into the power supply
	The solenoid coil is burnt out	Replace the solenoid coil
	The needle valve is off	Open the needle valve
	The CO2 tank is empty	Replace the CO2 tank