American Marine Inc

PINPOINT®
CO_2 REGULATOR KIT

DESCRIPTION

The ***PINPOINT*® CO_2 Regulator Kit** is a High End Regulator/Solenoid for any application looking to automate CO_2 injection for a calcium reactor or a freshwater planted system. Virtually silent, non-stick, reliable operation. The integrated precision needle valve will dispense the exact desired flow of CO_2 gas. Don't risk a catastrophic failure on a cheap regulator. Do it right the first time with ***PINPOINT*® CO_2 Regulator Kit.**

The ***PINPOINT*® CO_2 Regulator** is powered by an AC Adapter which converts to12 VDC low voltage. The regulator/solenoid will never heat up. The kit also includes a universal paintball tank adapter, 15 feet of silicone tubing, glass bubble counter, an airline check valve, extra O-ring rebuild kit, a jeweler's screwdriver, green LED light to confirm power ON to the AC Adapter, green LED light to confirm power ON to the regulator/solenoid and an adjustable micro control valve for fine tuning of CO_2 gas. The single dial gauge will show remaining bottle pressure/volume. Output pressure is automatically regulated to 40-41 PSI. There is also a high pressure version with output pressure of 52 PSI (contact American Marine for details). Constant adjustment of the output pressure is no longer needed.

Electrical Adapters are available for different voltages around the world.

FEATURES

- Regulator has a W22 female thread configuration; very common to CO_2 tanks
- Kit includes a paintball tank adapter which terminates to a CGA320 female thread
- Electronic non-stick solenoid
- Glass Bubble Counter
- Miniature screwdriver
- 15 feet of silicone tubing
- Anti-reverse airline check valve
- Extra O-ring rebuild kit
- Maximum input pressure is 3,000 psi
- Green LED power indicator on AC Adapter
- Green LED power indicator on solenoid
- Automatic output pressure never needs adjustment
- Precision micro CO_2 output control valve
- Electrical Adapters available include 110 VAC North America, 220 VAC Europe, 220 VAC Australia, 220 VAC Great Britain, 220 VAC Hong Kong with proper prong configuration.
- 12 month warranty

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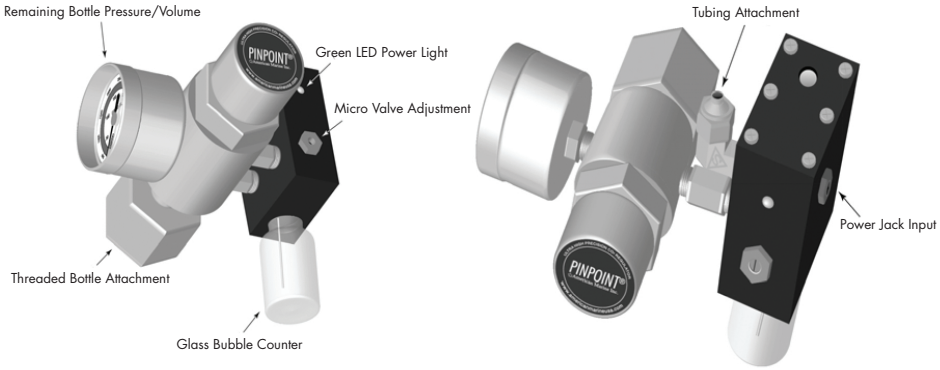
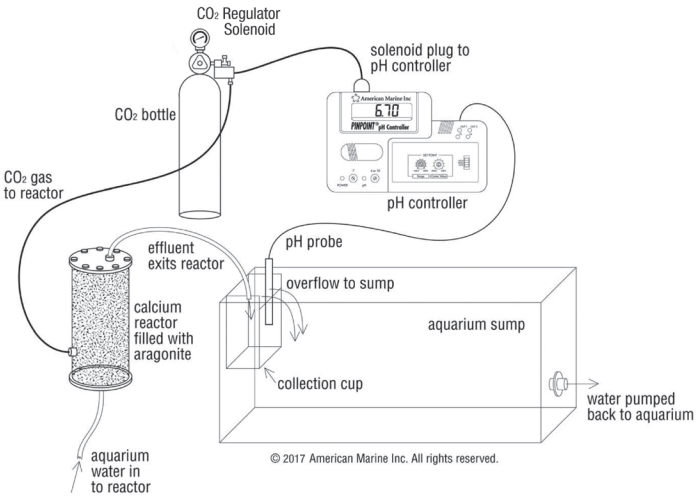
PINPOINT® CO_2 REGULATOR KIT

The ***PINPOINT*® CO_2 Regulator** is the perfect way to precision deliver CO_2 gas to your freshwater planted system or marine calcium reactor.

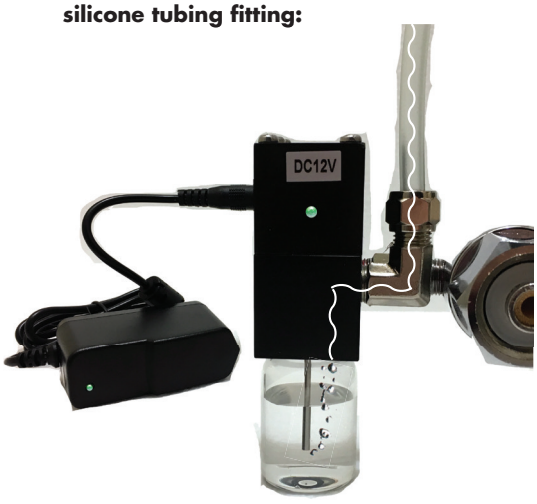


1. ***IMPORTANT** The ***PINPOINT*® CO_2 Regulator** comes with a W22 female thread fitting to attach to your CO_2 tank/bottle. It is important to verify the matching thread type on your CO_2 bottle to insure proper fit.
2. The Kit also includes an adapter to convert the female W22 threads to type CGA 320. This is most common to paintball tanks.
3. Install the ***PINPOINT*® Regulator** on the CO_2 tank so that the Glass Bubble counter will be in the proper vertical position. It is not required to fill the glass bubble counter, however, if you wish, the bubble counter should be filled no more than halfway with deionized water or bubble counter fluid. Any other type of liquid may cause calcium deposits on the gas exit pathway and is not advised.
4. Attach the tubing to the CO_2 outlet.
5. Attach the airline check valve in line on the silicone tubing to prevent backflow to the solenoid
6. Attach the power supply jack to the back of the solenoid housing (worldwide power adapters are available).
7. Attach the AC plug to the proper AC receptacle of the pH Controller.
8. Open the valve on the CO_2 bottle. The flow of CO_2 gas can be fine-tuned by using the screwdriver on the micro control valve. The low voltage magnetic solenoid will only allow CO_2 gas to flow when the green LED solenoid light is ON.

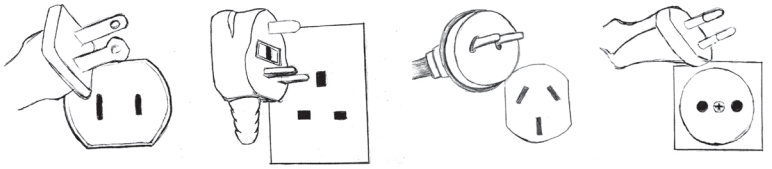
Consider the following setup into a marine aquarium sump:



Gas flow from the bubble counter to the silicone tubing fitting:



Electrical Adapters available include 110 VAC North America, 220 VAC Great Britain and Hong Kong, 220 VAC Australia and 220 VAC Europe with proper prong configuration.



110 VAC North America | **220 VAC Great Britain and Hong Kong** | **220 VAC Australia** | **220 VAC Europe**