CO₂ System

Reliability and Performance achieved through the relentless pursuit of perfection.
CO₂ indispensable for plants to photosynthesis and growth Through close observations and research on plants and their growth and practices in aquariums, ADA CO₂ Cartridges, Regulators, Diffusers and Distribution parts, have achieved the ultimate in performance, sophisticated design, and above all, the most reliable standards of safety. Items included here are, CO₂ Cartridges, regulators and glass diffusers, all of the most advanced technology in the world constant innovation based on the unique Nature Aquarium concept.

CO₂ System-74 Forest
101-101 / 1 Pack (contiene 1 ECA)

CO₂ System 74 is the world safest small CO₂ cartridge, designed specifically for the planted aquarium. sterile carbon dioxide with disinfectant properties and the fragrance of a natural forest, deodorizing aquarium water and enhancing relaxation effect of your Nature Aquarium. The CO₂ System 74•Forest includes a small bottle of ECA, which is an iron supplement to keep plant leaf color in a good condition.
- Content 74g, internal pressure: approx. 60 kgf/cm2 (before opened).
- Includes ECA 3ml bottle.
- Not compatible with other manufacturers' regulators.

CO₂ System-74 Normale
101-102 / 1 Pack

CO₂ System - 74 Normal is economical small CO₂ cartridge, without the Forest fragrance. Normal type is also developed for planted aquarium, and safety features are the same as the Forest cartridge.
•ECA 3ml bottle not included

Cap Stand
101-203

To insure efficiency and to prevent malfunction, CO₂ regulators and cartridges should always be used in a vertical position. Cap Stand or System 74 Cartridge Holders keep your CO₂ system secure and upright for proper functioning.

CO₂ System 74-YA/Ver. 2
101-002

CO₂ System 74-YA is easy-to-handle, and most popular CO₂ regulator. As it can be freely be connected with distribution parts and the NA Control Timer, CO₂ distribution to multiple aquariums, and the use of CO₂ automatic supply controllers, are easily achieved. CO₂ system 74-YA is equipped with safety features including the floating needle, and internal seal. Also with its high quality speed controller, CO₂ system 74-YA also fulfills needs of advanced aquarium hobbyists.
- Equipped with a two-stage Purge system of excessive pressure. CO₂ outflow pressure fixed at 3.0 kgf/cm2.
- Connectable to other distribution parts or NA Control Timer.
- Equipped with 'floating pin'.
- Highly durable internal seal to withstand over 1,000 cartridge replacements.

CO₂ System 74-SA
101-004

Among small CO₂ cartridge regulators, CO₂ System 74-SA holds the worlds highest quality standard. In a pursuit of safety, durability, and functional design, ADA created CO₂ System 74-SA equipped with an adjustable Pressure Inhibition system, allowing the outflow pressure to be manually controlled. This is the most sophisticated and highest standard of CO₂ regulator.
- Equipped with a two-stage Purge system of excessive pressure. CO₂ outflow pressure adjustable 0~3.0 kgf/cm2 with Dial Cock and Pressure Gauge.
- Connectable to other distribution parts or NA Control Timer.
- Equipped with 'floating pin'.
- Highly durable internal seal to withstand over 1,000 cartridge replacements.

CO₂ Attache Regulator
101-301

Standard type regulator for use with large size CO_2 Tanks. Fixed pressure inhibition function (3kgf/cm2) allows it to be connected to CO_2 Distribution parts, for convenient CO_2 distribution to multiple aquariums. A two-stage Safety purge system prevents unexpected fluctuations in pressure and accidents.

White Inner Seal
101-512

(for CO2 Attache Regulator and CO2 Speed Regulator)

The inner seals CO_2 Attache Regulator and CO_2 Speed Regulator, may loose shape or stiffen after a long period of use or with excessively tight attachments. Replacement of White Inner Seal is necessary in such cases. Use of CO_2 Attache Regulator and CO_2 Speed Regulator without its inner seal in proper condition, is not possible.

CO₂ Speed Regulator
101-303

A larger version of the top class CO_2 System 74-SA regulator, for use with large size CO_2 Tanks. Adjustable pressure inhibition function (0-4.0 kgf/cm2) allows the outflow pressure to be manually controlled, and compatible with distribution parts, for CO_2 distribution to multiple aquariums, and the use of CO_2 automatic supply.

Tower/10
101-111

ADA Original refillable large CO_2 tank. Simple and elegant stainless steel cover designed for both safety and beauty. Keeps CO_2 tank securely upright and prevents CO_2 burst due sudden rises in surface temperature. Tower/ 10 has a capacity of about 10 small CO_2 cartridges, while Tower/ 20 has about 18 cartridges. Refillable tank is very economical, and best for the large aquarium tanks, or distribution to multiple aquariums.

• Tower/10 Stainless Case: 52 cm height, 8 cm diameter

Tower/20
101-112

ADA Original refillable large CO_2 tank. Simple and elegant stainless steel cover designed for both safety and beauty. Keeps CO_2 tank securely upright and prevents CO_2 burst due sudden rises in surface temperature. Tower/ 10 has a capacity of about 10 small CO_2 cartridges, while Tower/ 20 has about 18 cartridges. Refillable tank is very economical, and best for the large aquarium tanks, or distribution to multiple aquariums.

• Tower/20 Stainless Case: 50 cm height,11 cm diameter

CO₂ Beetle Counter
102-202

In case of a large CO₂ supply with Pollen Glass Beetle, CO₂ Beetle counter is effective in measuring the proper amount of CO₂. As CO₂ bubbles rise in a spiral, you can easily count the number of CO₂ bubbles. Includes one-way flow valve Use with Cabochon Ruby enhances the appearance of the aquarium's exterior

Glass Counter
102-201

CO₂ Glass Counter is designed for measuring the amount of CO₂ supply employing the simple yet accurate bubble counting method. It can measure up to 4 to 5 bubbles per second and it's hand made, all glass, simple design, matches to the aquarium. Glass Counter is crucial to the minute adjustment of CO₂ supply.

• Includes one-way flow valve

Pollen Glass
102-101

Pollen Glass is a CO₂ distributor, which virtually pollinates the entire aquarium with tiny carbon dioxide bubbles. Pollen Glass is hand made from high quality Japanese glass. Its form is designed for use in a standard 60-80cm. aquarium. For distribution parts, special powder glass is adopted, which makes maintenance and cleaning easy.

• Per acquari fino 80 *l*

Pollen Glass Large Series
102-106
102-107

For use in medium sized to large aquariums, Pollen Glass Large Series is available in 20mm. and 30mm. to suit your aquarium's CO₂ needs. Pollen Glass LARGE Series are also recommended for aquarium using many aquatic plants like Riccia fluitans, which requires a large CO₂ supply for its growth. Its U-shape glass tube is unobtrusive and eliminates clogging of gas. Handmade, all-glass distributors, designed for long-term use.

• Generally use 30mm. for 90 cm standard aquarium, 40mm. for 120 cm standard aquarium and 50mm. for larger aquariums.

Pollen Glass Beetle Series

102-103 / 30Ø-CO₂
102-104 / 40Ø-CO₂
102-105 / 50Ø-CO₂

While the Pollen Glass Series is designed for popular 60cm aquarium tank, the Pollen Glass Beetle Series caters to the CO₂ needs of aquariums larger than 90cm. In order to meet large CO₂ requirements of aquatic plants, a large diffusion base allows effective dispersion of CO₂ in the large size tank. Designed after the African stag-beetle for is unique shape the Pollen Glass Beetle diffuser sits conveniently on an inside corner of the aquarium. For extra-large aquariums, it is advisable to use multiple Pollen Glass Beetle units for CO₂ dispersion.

Cabochon Ruby

102-512

Once CO₂ supply is stopped, aquarium water often flows backward into the silicon tube toward the regulator. If water enters regulator, it may cause serious damage. In order to avoid accidents, be sure to use a no-return valve. A standard plastic no-return valve, loses its function due to wear and tear of its internal bladder, however the all glass, handmade Cabochon Ruby can be used indefinitely, and makes an elegant addition to your aquarium.

• Always use in an upright position