

UNS PRO Dual Stage CO2 Regulator

Price: R4,959.00



Description

A professional grade CO2 delivery system for planted aquariums. Featuring two gauges, the UNS Pro Regulator allows the output pressure and available CO2 levels to be monitored. This regulator comes equipped with a dual stage, failsafe mechanism for added safety measures and includes a bubble counter for simple, yet precise management of CO2 levels. The UNS Pro Regulator is designed for use with standard CO2 cylinders.

The UNS Pro Regulator offers a unique bubble counter manifold that allows a single CO2 cylinder to be split and distributed amongst multiple planted aquariums. Simply add on the desired number of UNS Bubble Counter Manifold Blocks and enjoy consistent CO2 in multiple aquariums.

There are two basic requirements for plants to grow through photosynthesis; nutrients and light. The most important nutrient for plant growth is carbon. Since carbon dioxide (CO2) is abundant in the atmosphere, plants simply draw their carbon directly from CO2 in order to photosynthesize and grow. In an aquarium, CO2 levels are naturally very low and without any supplementation, submerged aquatic plants will not be able to grow properly. When CO2 is a limiting factor, plants cannot fully utilize all the available light to photosynthesis. This can allow algae to grow and compete with the plants for nutrients, further stunting plant growth. By introducing CO2 into the aquarium, plants can achieve healthy growth faster and therefore outcompete algae.

The introduction of carbon into an aquarium is typically achieved by using a pressurized

gas tank controlled by a regulator, solenoid, and needle valve. Pressurized CO2 is the best way to go for the more advanced hobbyists or for those keeping larger aquariums, 20 gallons, or above.

The CO2 regulator is one of the most important aspects of any CO2 system. The pressure in a gas cylinder can be over 700 psi which is way too high for safe usage in any application. The regulator plays the crucial role of allowing just enough CO2 to dispense safely through the airline tubing, through the diffuser, and into your aquarium.

Product Gallery



