

CO₂ Feed System



Key Features

- Safe Alternative to Acid Feed for pH Control
- Accurate and Reliable Flowmeter for Precise Feed
- Illuminated On/Off Switch
- Stainless Steel Solenoid Valve
- Easy Push Connectors for Tubing Connection

Highlights

CO₂ Flow Ranges

0-80 scfh (pre-installed)
30-350 scfh (alternate float)

Flowmeter

Accurate Polysulfone
Blue-White Rotameter

Solenoid Valve

Stainless Steel

Enclosure

Nema 4X

Injector / Eductor

Effective Dissolution

Warranty

1 Year

Typical Applications

- Aquatics / Swimming Pool
- Drinking Water / Domestic Water
- Wastewater / Effluent
- Industrial Process Water Effluent
- Food & Beverage Process Water
- Water Reuse pH Control



Engineering Specifications

Item	CO ₂ Feed System
Flow Range	0 - 80 scfh and 30 - 350 scfh (0 - 9.15 lb/hr and 3.4 - 40 lb/hr)*
Flow Meter	Blue-White F-440 Polysulfone
Flow Meter Float	PVDF (0-80 scfh) Installed, 316SS (30-350 scfh) Included option, Installed separately
Enclosure	Nema 4X
Operating Temperature	40 – 104 °F (4 °C – 40 °C)
Operating Pressure	0 – 80 psi (0 – 5.5 bar)
Maximum Pressure	100 psi (6.9 Bar)
Tubing Material	3/8" OD PE (10 ft provided)
Solenoid Valve	Stainless Steel Body
Power Supply	115VAC 50/60 Hz, 0.6A (6 ft cord included) or 24VDC (specify when ordering)
Dimension (H x W x D)	8.9" x 8.6" x 5.21" (227H x 218W x 132D mm)
Approximate Weight	~ 5 lbs (2.3 kg)
Warranty	12 Months
Shipping Dimensions	11" x 12" x 13" (279H x 305W x 330D mm)

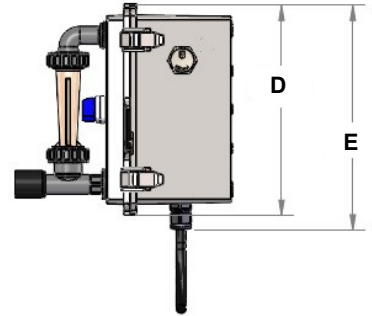
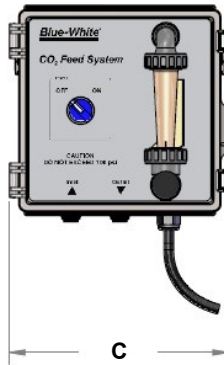
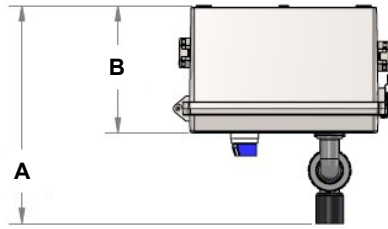
* Pressure = 1 Bar, Temp = 70F)

Features

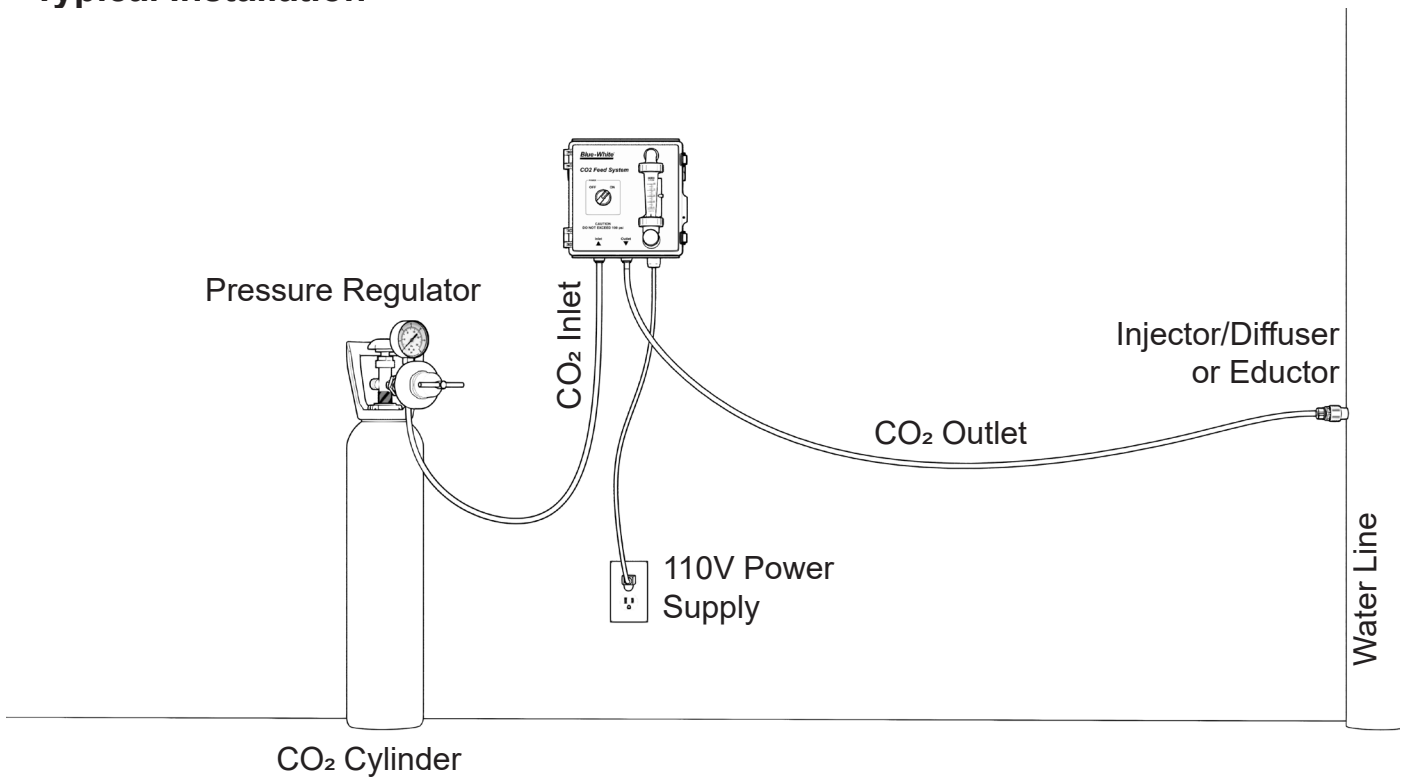
- Simple design allows safe and effective pH control. The CO₂ feed system maintains the desired pH level by directly injecting carbon dioxide into the water supply. This process creates carbonic acid, which lowers the water's pH level naturally without hazardous chemicals such as muriatic acid or sulfuric acid.
- Completely enclosed in a NEMA 4X enclosure to protect against harsh environments. Simple installation for indoor and outdoor use.
- Flow adjustment via Blue-White F-440 adjustable flow meter is accurate and consistent, and includes red indicator marker. Two flow meter floats provided. Installed 0-80 scfh float can be swapped with the provided 30-350 scfh float if the 30-350 scfh flow rate is desired.
- Simple activation with stainless-steel solenoid valve and illuminated on-off switch.
- Includes inlet/outlet tubing and enclosure mounting tabs.
- Injector/Diffuser For injection into water lines. Contains injector, check valve, and diffuser.
- Optional accessories available:
 - Eductor Plumbed in-line to water line. Eductor will draw CO₂ into water line.
 - Pressure Regulator Brass regulator connects to cylinder.
 - 2-Cylinder Switchover Automatic switches between 2 CO₂ tanks.
 - 4-Cylinder Switchover Automatic switches between 4 CO₂ tanks.
 - CO₂ Aluminum Cylinders 20# or 50# available.
 - CO₂ Pre-Heater Prevents freezing CO₂ lines.

Dimensions

Dim	Inch	cm
A	8.91"	22.6
B	5.21"	13.2
C	8.94"	22.7
D	8.60"	21.8
E	9.19"	23.3



Typical Installation



Model Number

CO2 CO ₂ Feed System				
Series Control Options				
X	Manual / Local Control Only			
Power / Operating Voltage / Cord				
2	24VDC			
4	115V / 60Hz, power cord NEMA 5/15 plug (US)			
Options				
X	No option selected			
CO2	X	4	X	Sample Model Number

Accessories



Injector / Diffuser
CO2-DCV




EDUCTOR, 3/4" MNPT
CO2-EDU



Pressure Regulator
CO2-REG



2-Cylinder Switchover
CO2-SM2



4-Cylinder Switchover
CO2-SM4



20 lb Aluminum Cylinder
CO2-T20



50 lb Aluminum Cylinder
CO2-T50



Diffusor Filter Element
CO2-DIF



CO₂ Pre-heater, 120 VAC
CO2-HTR