Blue-White®

CO_2 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

CO_2 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

For more help and information regarding **CO_2 Feed System**, please visit www.blue-white.com or scan this QR code.

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)	8.6” x 8.94” x 5.21” (227H x 218W x 132D mm)
Approximate Weight	5 lb (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 CO_2 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 (shaded area).

- 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.

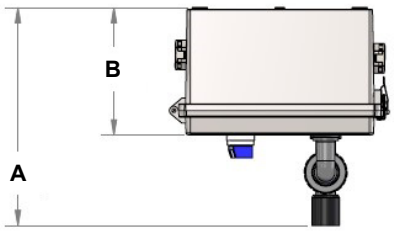
- Includes inlet/outlet tubing and enclosure mounting tabs.

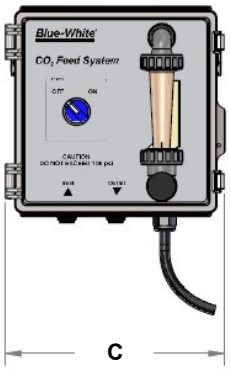
- Injector/Diffuser (included) - For injection into water lines. Contains injector, check valve, and diffuser.

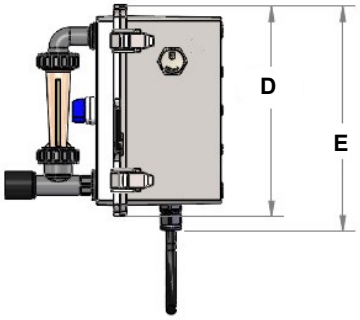
- Optional accessories available:
  Eductor Plumbed in-line to water line. Eductor will draw CO_2 into water line.
  Pressure Regulator Brass regulator connects to cylinder.
  2-Cylinder Switchover Automatically switches between 2 CO_2 tanks.
  4-Cylinder Switchover Automatically switches between 4 CO_2 tanks.
  CO_2 Aluminum Cylinders 20# or 50# available.
  CO_2 Pre-Heater Prevents freezing CO_2 lines.

Dimensions

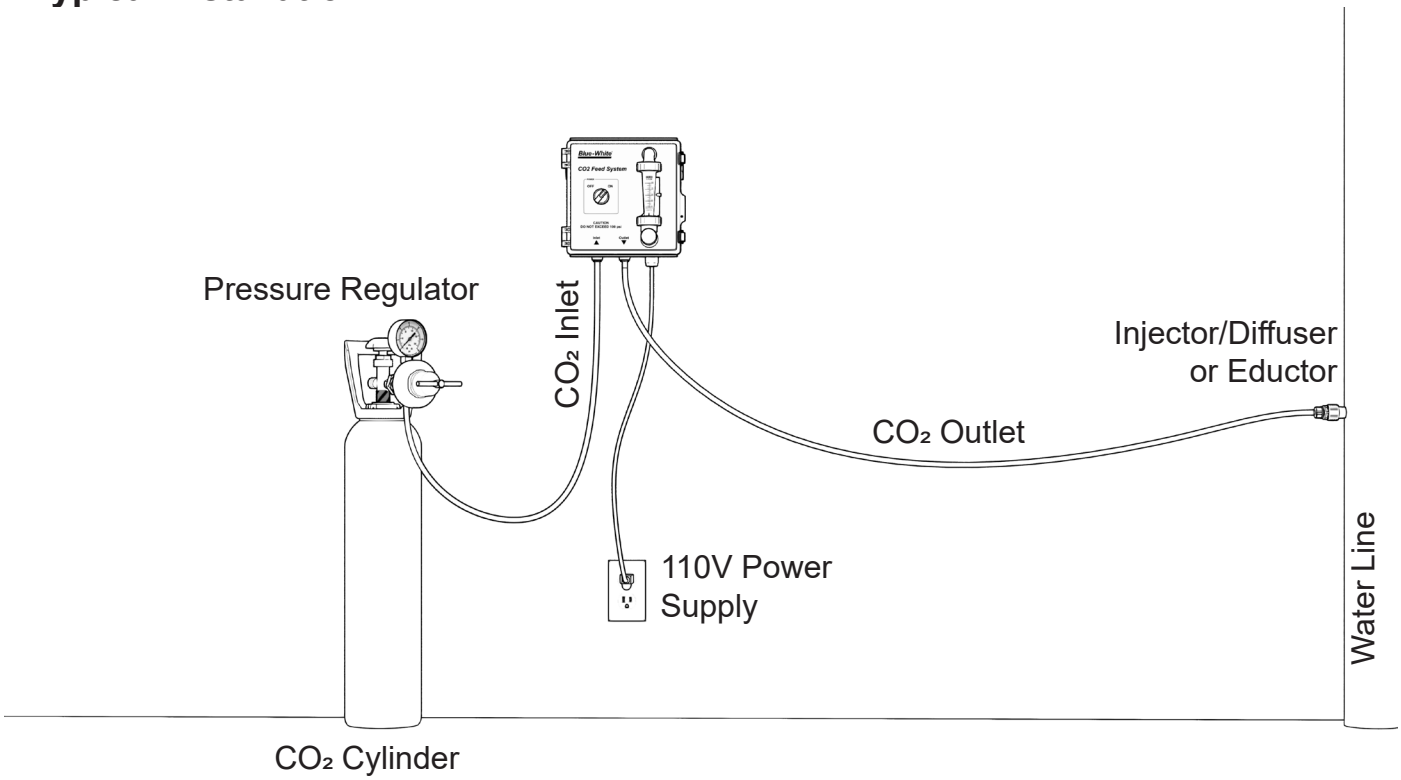
Dim	Inch	cm
A	8.91”	22.6
B	5.21”	13.2
C	8.94”	22.7
D	8.60”	21.8
E	9.19”	23.3







Typical Installation



CO2	CO_2 Feed System

Series Control Options

X	Manual / Local Control Only

Power | Operating Voltage | Cord

2	24VDC
4	115 V / 60 Hz | Power Cord | NEMA 5-15 Plug (US)

Options

X	No option selected

CO2	X	4	X	Sample Model Number

Accessories

CO2-REG
Pressure Regulator

CO2-HTR
CO^2 Pre-heater, 120VAC

CO2-SM2
2-Cylinder Switchover

CO2-SM4
4-Cylinder Switchover

CO2-T20
20lb Aluminum Cylinder

CO2-T50
50lb Aluminum Cylinder

CO2-DCV
Injector / Diffuser

CO2-DIF
Diffusor Filter Element

CO2-EDU
Educator, 3/4" MNPT

More accessories available at blue-white.com

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