

Description

BECSSys CO₂ Feed Systems provide a rugged and reliable solution to pH control in aquatics facilities. CO₂ is recognized as a safe and easy-to-use method for pH control.

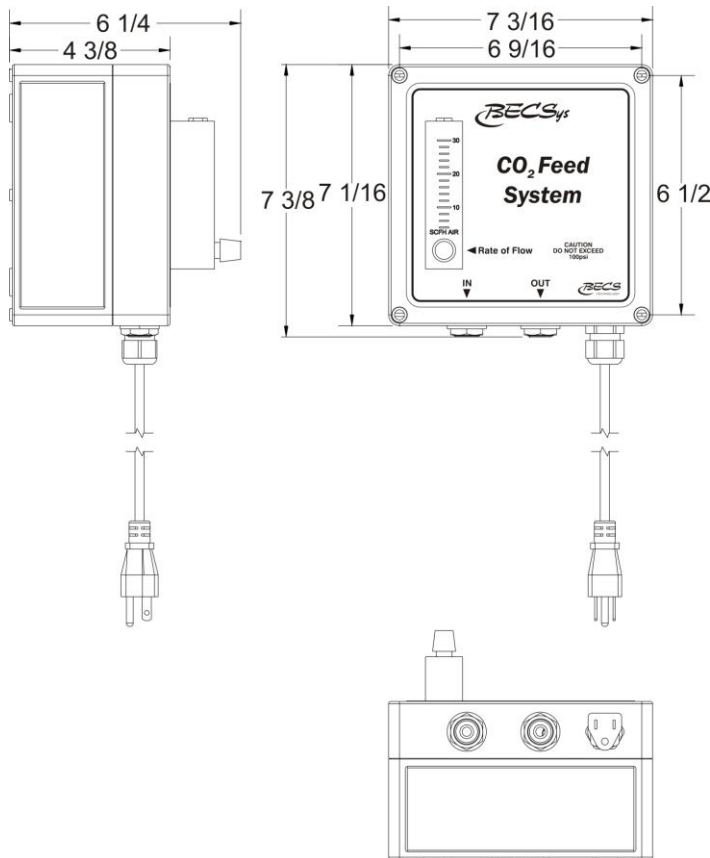
The BECSSys CO₂ Feeder comes in two sizes of adjustable flow control:

- 4-30 SCFH
- 20-200 SCFH

There are also two injection methods available: diffuser or venturi eductor. The diffuser assembly is simple and effective. A check valve is included to prevent CO₂ tanks from filling with pool water as the CO₂ is depleted. The venturi eductor assembly is ideal for more demanding applications, requiring minimal maintenance. Internal mixing vanes assure optimal delivery of CO₂ into pool water with maximum gas-to-water transfer efficiency.

Designed for optimal performance with the entire BECSSys line of water chemistry controllers, these systems will provide years of consistent operation.

**BECSSys
CO₂ Feeder**

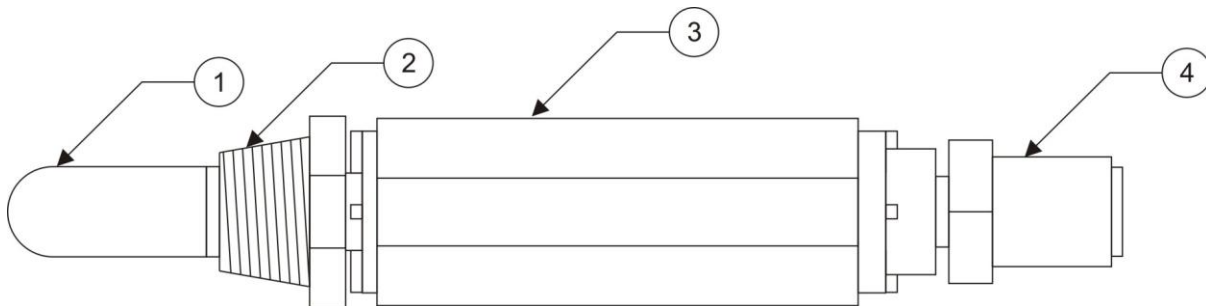


Features

- NEMA housing
- 3/8" tubing included (10')
- 3/8" press fittings
- Two models available
 - 4-30 SCFH
 - 20-200 SCFH
- Two CO₂ injection technologies
 - Diffuser
 - Venturi eductor
- 230 VAC version also available

Diffuser Assembly

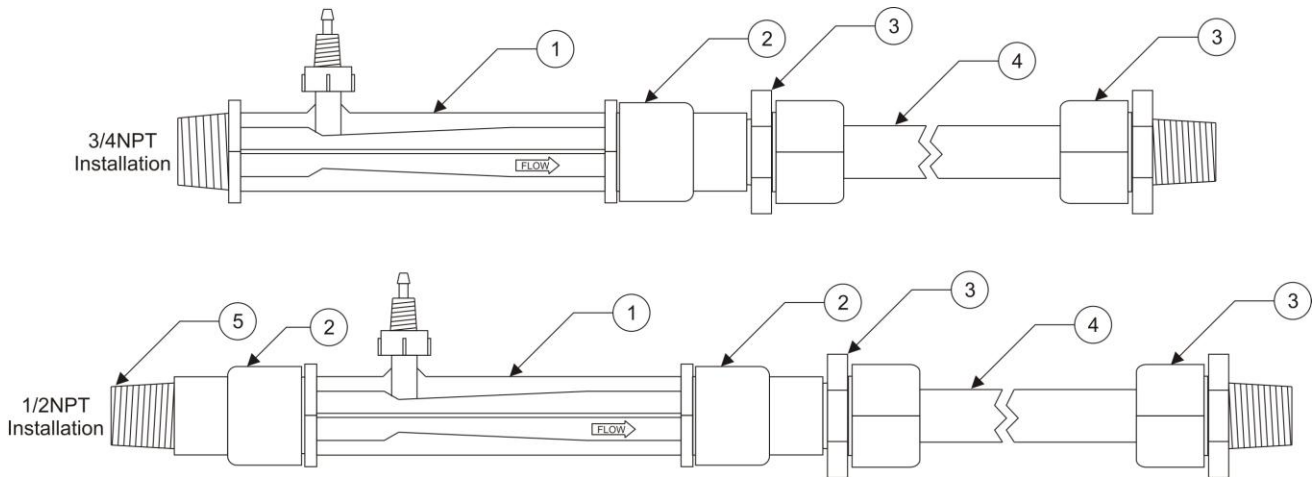
- Micro porous polyethylene diffuser
- Diffuser bushing with 1/2" NPT Process connection
- Check-valve included in assembly
- Push fitting for 3/8" OD tubing



Diffuser Assembly (Part Number 2210326)		
Item	Part Number	Description
1	8060794	Diffuser
2	2220353	Diffuser Bushing, 1/2" NPT
3	8060792	Check Valve, 1/4NPT
4	8060757	1/4NPT Straight Adapter, 3/8 Tube

Eductor Assembly

- High-efficiency, venturi-type, differential pressure injector
- Internal mixing vanes
- Integral check valve
- Trouble-free operation; no moving parts
- Includes parts for either 3/4NPT or 1/2NPT installation



Eductor Assembly (Part Number 2210327)		
Item	Part Number	Description
1	8060795	Eductor
2	8060796	3/4NPT x 1/2NPT Reducer Coupling (2)
3	8060797	Compression Fitting, 1/2NPT x 5/8 Tube (2)
4	8060802	5/8 OD Tubing, 15 ft
5	8060541	Pipe Nipple, 1/2NPT x Close



Eductor

Specifications
Physical

Enclosure Material	Glass Reinforced Polycarbonate, NEMA 4X (IP66)
Overlay Material	UV Stabilized Polyester
Input Power Cord (110VAC only)	SJTW Type, 6' length
Enclosure Dimensions	Width: 7.17" Height: 7.09" Depth: 4.37"

Environmental

Storage Temperature	-30 to 60 °C
Ambient Operating Temperature	-18 to 40 °C
Ambient Humidity	95% non condensing maximum

Electrical

Voltage	115/230 VAC, 50/60 Hz
Phase	Single
Current	0.1 amps full load

Ordering/Specification Guide

Part Number	Description & Options	
2100298-	4 – 30 SCFH CO ₂ Feeder	
↓	Injector Type	
	D Diffuser Assembly	
	E Eductor Assembly	
	↓	Input Voltage
		1 115 VAC Input Power
2 230 VAC Input Power		
2100298-D1	Sample Part Number 4-30 SCFH CO ₂ Feeder with diffuser assembly for 115 VAC input power	
Part Number	Description & Options	
2100299-E	20 – 200 SCFH CO ₂ Feeder with eductor assembly	
↓	Input Voltage	
	1 115 VAC Input Power	
	2 230 VAC Input Power	
2100299-E1	Sample Part Number 20-200 SCFH CO ₂ Feeder with eductor assembly for 115 VAC input power	