

# Chemical Feed Systems CFS

Capacities Ranging from 6 to 120 GPD

Series

The BIC CFS series chemical dosing systems offer a wide range of capacities to meet various chemical treatment applications.

## APPLICATIONS

- Water purification and pollution control
- Iron, hydrogen sulfide and manganese removal
- Scale prevention
- Acid water neutralization
- Coagulation and turbidity removal
- Waste water treatment
- Food processing
- Detergent and wetting agent metering
- Swimming pool treatment
- Liquid fertilizer treatment
- Hydroponics nutrient treatment
- Municipal water treatment
- Algae control

## STANDARD FEATURES

### ALL STANDARD CHEMICAL SYSTEMS

- Chemical metering pump
- Polyethylene tank with cover

### ALL CHEMICAL SYSTEMS PUMP FEATURE

- Fully adjustable output capacity, 6 - 120 gpd
- Manual function control for stroke rate and stroke length
- Highly reliable timing circuit
- EMI resistant
- Thermally protected solenoid with auto-reset
- Bleed valve assembly
- Corrosion resistant plastic pvc head/fittings and polyethylene tank components for wide range of

## AVAILABLE OPTIONS

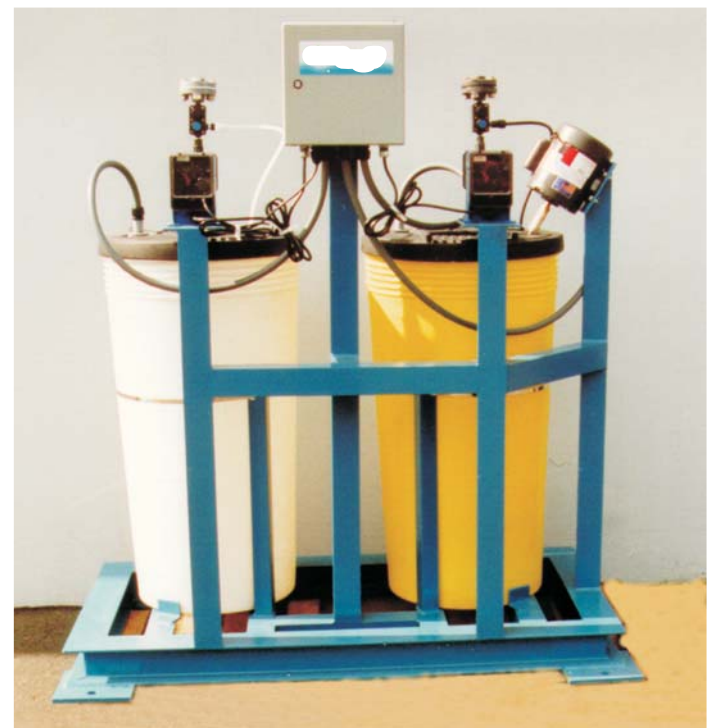
- 230V/50 or 60Hz
- Epoxy coated stainless steel mixer
- pH controller
- ORP controller
- Stand-by pump
- Skid mounted unit
- Custom built unit
- Pump maintenance spare kit
- Level switch
- Local control panel



PUMP MODELS FOR  
CFS-44EP - CFS-120EP



PUMP MODELS FOR  
CFS-6AP - CFS-30AP



BIC Water and Wastewater Treatment

# Chemical Feed Systems

**CFS**  
Series



## MATERIAL OF CONSTRUCTION

□ Pump head:	PVC
□ Diaphragm:	Teflon-faced
□ Seats/o-rings:	Teflon
□ Balls:	Ceramic
□ Fittings:	PVC
□ Tubing:	Clear PVC/white polyethylene
□ Solution tank/cover:	Polyethylene

## SPECIFICATIONS

Model No.	Output Capacity		Max. Pres. psi	Tubing/ Conn.	Input Power (Watts)		Stroke Frequency			Stroke Length	
	GPD	LPD			Peak	Ave.	Control (Manual)	Max. SPM	Turn-Down Ratio	Control (Manual)	Turn-Down Ratio
<b>CFS-6AP-1</b>	6	22.7	150	3/8" PVC (S)/ PE(D)	130	50	On-Line Adjustable	125	100:1	On-Line Adjustable	10:1
<b>CFS-12AP-1</b>	12	45.4	150	3/8" PVC (S)/ PE(D)							
<b>CFS-22AP-1</b>	22	83.3	100	3/8" PVC (S)/ PE(D)							
<b>CFS-30AP-1</b>	30	113.6	100	3/8" PVC (S)/ PE(D)							
<b>CFS-44EP-1</b>	44	166.6	100	3/8" PVC (S)/ PE(D)	300	130	On-Line Adjustable	125	100:1	On-Line Adjustable	10:1
<b>CFS-94EP-1</b>	94	355.8	100	1/2" PVC (S)/ PE(D)							
<b>CFS-120EP-1</b>	120	454.2	100	1/2" PVC (S)/ PE(D)							

## BIC Water and Wastewater Treatment

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