

Chemical Dosing Systems

Capacity: 3 to 120 GPD

CDS
SERIES

The Pure Aqua CDS series chemical dosing systems offer a wide range of capacities to meet various chemical treatment applications. Each system includes the chemical metering pump and polyethylene chemical tank, along with the necessary hoses and fitting for the pump.

Standard Features

- Fully adjustable output capacity from 3-120 GPD
- Manual function control for stroke rate & length
- Highly reliable timing circuit
- EMI resistant
- Thermally protected solenoid with auto-reset
- Bleed valve assembly
- Plastic pvc head/fittings and polyethylene tank for a wide range of corrosion resistance to such chemicals as mild acid, chlorine, and caustic solution

Available Options

- 230V/1Ph/50Hz 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



Applications

- Water purification and pollution control
- Iron, hydrogen sulfide & 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
- Livestock water treatment

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Materials of Construction

- Pump Head: PVC
- Diaphragm: Teflon-faced
- O-Rings: Teflon
- Balls: Ceramic
- Fittings: PVC
- Tubing: Clear PVC / White PE
- Tank / Cover: Polyethylene



Model #	Output Capacity		Max Pressure (PSI)	Tubing/ Connection	Kopkit	Input Power (Watts)		Stroke Frequency		
	GPD	LPD				Peak	Avg.	Control (Manual)	Max. SPM	Turn-Down Ratio
CDS-3	3	12	100	3/8" PVC/PE	KX100	130	50	Online Adjustable	125	100:1
CDS-6	6	23	150	3/8" PVC/PE	K2VTC1					
CDS-12	12	46	150	3/8" PVC/PE	K3VTC1					
CDS-24	24	83	100	3/8" PVC/PE	K4VTC1					
CDS-30	30	114	100	3/8" PVC/PE	K4VTC1	300	130	Online Adjustable	125	100:1
CDS-44	44	167	100	3/8" PVC/PE	K4VTC1					
CDS-76	76	288	100	1/2" PVC/PE	K5VTC3					
CDS-120	120	454	100	1/2" PVC/PE	K6VTC3					

Pure Aqua also supplies: Custom Engineered Solutions, Multimedia Pretreatment, Activated Carbon Pretreatment, Water Conditioning, Chemical Dosing Systems, Ultraviolet (UV) Sterilizers and Ozonation Systems.

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