

# Chemical Dosing Systems

## 3 to 120 GPD Capacities

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 and stroke 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 solutions

### 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

### 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
- ◆ Livestock water treatment



Pump Model For  
CDS-6AP to CDS-30AP



Pump Model For  
CDS-44EP to CDS-120EP



CDS-3 used for  
RO treatment



# Pure Aqua, Inc.

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### Material of Construction

- Pump head: PVC
- Diaphragm: Teflon-faced
- Seats / O-Rings: Teflon
- Balls: Ceramic
- Fittings: PVC
- Tubing: Clear PVC / White polyethylene
- Tank / Cover: Polyethylene



### Specifications

Model No.	Output Capacity		Max Pres. psi	Material of Const.			Tubing/ Conn.	Kopkit	Input Power (Watts)		Stroke Frequency		
	GPD	LPD		Head/Fittings	Balls	Seats/ O rings			Peak	Ave.	Control (manual)	Max. SPM	Turn-Down Ratio
CDS-3	3	11.40	100	PVC	Ceramic	Teflon	3/8" PVC (S)/ PE(D)	KX100	130	50	Online Adjustable	125	100:1
CDS-6	6	22.70	150	PVC	Ceramic	Teflon	3/8" PVC (S)/ PE(D)	K2VTC1					
CDS-12	12	45.40	150	PVC	Ceramic	Teflon	3/8" PVC (S)/ PE(D)	K3VTC1					
CDS-22	22	83.30	100	PVC	Ceramic	Teflon	3/8" PVC (S)/ PE(D)	K4VTC1					
CDS-30	30	113.60	100	PVC	Ceramic	Teflon	3/8" PVC (S)/ PE(D)	K4VTC1					
CDS-44	44	166.60	100	PVC	Ceramic	Teflon	3/8" PVC (S)/ PE(D)	K4VTC1	300	130	Online Adjustable	125	100:1
CDS-94	94	355.80	100	PVC	Ceramic	Teflon	1/2" PVC (S)/ PE(D)	K5VTC3					
CDS-120	120	454.20	100	PVC	Ceramic	Teflon	1/2" PVC (S)/ PE(D)	K6VTC3					

All specifications are subject to change without notice.

**Pure Aqua, Inc.**

Water Treatment and Reverse Osmosis Systems

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