

# Chemical Dosing Systems

Capacity: 6 to 120 GPD

## RIGHTMATCH 100 Series

The RIGHTMATCH 100 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
- + Livestock water treatment

### 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 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



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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
- + Solution tank/cover: Polyethylene

### SPECIFICATIONS

Model No.	Output Capacity		Max. Pres. psi	Tank Size GAL	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
RM1-6AP-1	6	22.7	150	26.5	3/8" PVC (S) / PE(D)	130	50	On-Line Adjustable	125	100:1	On-Line Adjustable	10:1
RM1-12AP-1	12	45.4	150	26.5	3/8" PVC (S) / PE(D)							
RM1-22AP-1	22	83.3	100	53	3/8" PVC (S) / PE(D)							
RM1-30AP-1	30	113.6	100	53	3/8" PVC (S) / PE(D)							
RM1-44EP-1	44	166.6	100	80	3/8" PVC (S) / PE(D)	300	130	On-Line Adjustable	125	100:1	On-Line Adjustable	10:1
RM1-94EP-1	94	355.8	100	132	1/2" PVC (S) / PE(D)							
RM1-120EP-1	120	454.2	100	132	1/2" PVC (S) / PE(D)							

\* Specifications are subject to change without notice



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Water and Wastewater Treatment Systems

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