EWATER

EWATER® Series
Chemical Dosing System







Ewater

EWATER Water Treatment Co.,Ltd.

General Introduction

Dosing system is a integrated equipment with the functions of Chemical Dosing, Mixing, Fluid Conveying and Automatic Control. The elements are installed in a public plarform which forms as a 'Module Unit'.

Applications

- **Oil Field**
  * To inject flocculant, antiscalant, demulsifier and other liquid chemicals.
- **Power Plant**
  * To add ammonia and hydrazine to boiler feed water, ammonia and hydrazine to condensate water, ammonia and hydrazine for shutdown protection, and phosphate to steam boiler.
- **Water Treatment System**
  * To add chemicals to tapping water, waste water and sewage system.

Features

- Integrated system design;
- Optimized process design;
- 'Model Unit' concept easier for expansion;
- Flexible designed according to customer needs;
- Various brand choice for elements.







Ewater

EWATER® Series Manual Dosing System



- *All equipment of this dosing system is controlled manually;*
- *Easy, simple and lower cost;*
- *Need more labors to operate and monitor;*
- *Ideal for small and simple operation condition.*

Model	Dosing Tank Volume	Mixer Power	Recommended Metering Pump		Power	Pressure Range
			Pump Type	Capacity		
EWDS-M100	100L	0.37kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-M200	200L	0.37kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-M300	300L	0.37kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-M500	500L	0.55kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-M1000	1000L	0.75kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
			Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-M1500	1500L	1.10kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
			Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-M2000	2000L	1.50kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
			Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-M3000	3000L	2.20kW	Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-M5000	5000L	3.00kW	Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar

1) The specs could be adjusted according to actual system condition.
2) Please contact us for more models and accesorries.

Ewater

EWATER® Series Automatic Dosing System



- *Some equipment is controlled automatically;*
- *Simple auto-control based on level and default;*
- *May save some labors for operating;*
- *Ideal for the system requires prelimenary automatic requirement.*

Model	Dosing Tank Volume	Mixer Power	Recommended Metering Pump		Power	Pressure Range
			Pump Type	Capacity		
EWDS-A100	100L	0.37kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-A200	200L	0.37kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-A300	300L	0.37kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-A500	500L	0.55kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
EWDS-A1000	1000L	0.75kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
			Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-A1500	1500L	1.10kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
			Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-A2000	2000L	1.50kW	Solenoid-Driven	2-54 L/h	15/20/40/90W	1-20 bar
			Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-A3000	3000L	2.20kW	Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar
EWDS-A5000	5000L	3.00kW	Mechanical Diphragm	5.5-530 L/h	0.25/0.37kW	4-12 bar
			Plunger	1.5-304 L/h	0.18-0.25kW	20 bar

1) The specs could be adjusted according to actual system condition.
2) Please contact us for more models and accesorries.

Ewater

EWATER® Series Fully Automatic Dosing System



- *Fully automatic controlled;*
- *Three-chamber dosing design;*
- *Widely used for chemical dosing for water supply in power plant, oil & gas industry;*
- *Integrated functions of dosing, mixing, conveying and auto-control.*

Model	Dosing Capacity	Dry Powder Dosage	Dimemsion (L*B*H)mm	Total Height (mm)
EWDS-FA500	500L/h	1.3-30 kg/h	1500*800*950	1700
EWDS-FA1000	1000L/h	1.3-30 kg/h	2000*1000*950	1700
EWDS-FA1500	1500L/h	5.0-50 kg/h	2000*1000*950	1700
EWDS-FA2000	2000L/h	5.0-50 kg/h	2000*1100*1100	1800
EWDS-FA3000	3000L/h	5.0-50 kg/h	2500*1200*1200	1800
EWDS-FA4000	4000L/h	6.0-60 kg/h	3000*1200*1200	2200
EWDS-FA6000	6000L/h	10-70 kg/h	3000*1500*1400	2300
EWDS-FA9000	9000L/h	10-70 kg/h	5000*1500*1400	2300

1) The specs could be adjusted according to actual system condition.

2) Please contact us for more models and accesorries.

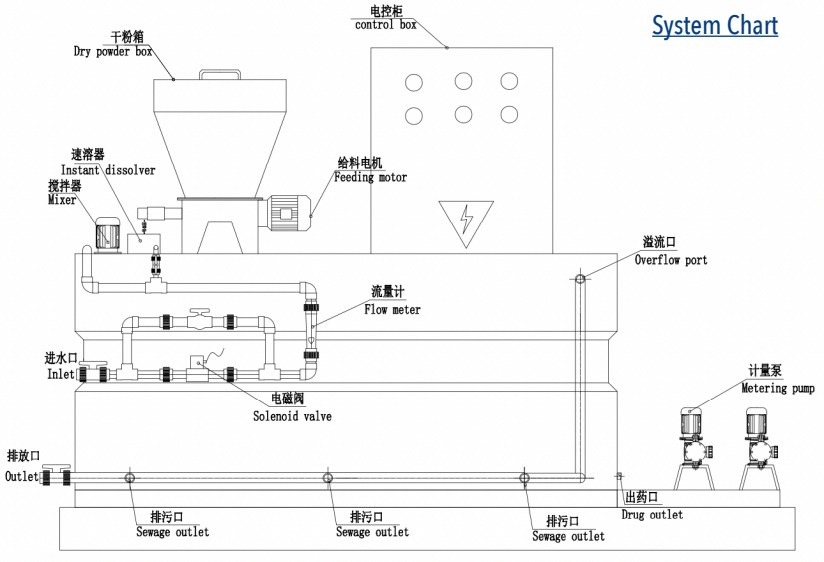
Ewater

Highlights

- Compact size, easy for installation;
- High-grade automatic controlled with PLC;
- High system stability and reliability;
- High precision 1% with screw feeders;
- SUS 304 for Dosing Tank(*), some are UPVC;
- Three overflow channels design good for continuous dissolving and dosing operation condition;
- Pre-mixing flow is adjustable.

(*) NOT suitable for high-chlorine dosing agent.

System Chart



Ewater

System Accessories

Dosing Tank



- *For chemical agent storage;*
- *Material options: PP, PE, Stainless Steel.*

Model	Diameter (mm)	Vertical Height (mm)	Total Height (mm)	Dosing Port Size (mm)
MC-100L	450	675	720	135
MC-200L	558	830	870	135
MC-300L	666	880	1020	135
MC-500L	770	990	1120	200
MC-1000L	1050	1080	1250	340
MC-1500L	1130	1250	1420	340
MC-2000L	1245	1440	1640	380
MC-3000L	1480	1610	1830	380
MC-5000L	1820	1840	2140	380

Mixer



- *For chemical agent fully mixing purpose;*
- *Material options:*
  Carbon Steel with anti-corrosion, SS304/316/316L.

Model	Power (kW)	Shaft Diameter (cm)	Shaft Length (cm)	Impeller Size (cm)
ZD-0.37	0.37	15	Can be customized	
ZD-0.55	0.55	15		
ZD-0.75	0.75	25/32		
ZD-1.1	1.10	38		
ZD-1.5	1.50	48		
ZD-2.2	2.20	60		



Ewater

System Accessories

Magnetic Flap Level Meter



- *For fluid level metering;*
- *Material options: PP, PVC with F4/PTFE lining; SUS304/316/316L etc.*

Metering Pumps

Solenoid-driven/Mechanical Diaphram/Plunger

- *IP65 level;*
- *Material: glassfiber reinforced PP.*
- *Italian SEKO*
  AKS/AKL/APG/TPG/TCK Series
  MS1/MS3/MS4/MSA/MM2 Series
  PS1/PS2 Series



System Accessories

Contron System

- Control Cabinet and instruments;
- Cabinet Material Options: cold rolled SPCC,SS;
- pH/ORP/ Residual Chlorine Probe;
- Frame Material Options: Carbon Steel, SS304/316/316L.











Ewater



EWATER

Wuxi EWATER Water Treatment Co.,Ltd.

No.10 Bldg 1, Int'l Environmental Protection City

Gaocheng, Wuxi City, China

Tel: +86 510 8783 8779

Email: info@ewatertreatment.cn

Website: ewater.en.alibaba.com