The Chem-Tech Series 100 is the standard by which all other dosing pumps are judged, Chem-Tech Series 100/150 pumps with motorized-diaphragm technology deliver dependable performance and extended longevity. The Series 100/150 provides quiet, consistent metering over long periods of time in a compact form.

A tried-and-true electric motor transfers power via a sealed gearbox and eccentric cam for smooth, ***reliable*** dosing.

Simple, adjustable system with knob and locking lever provide ***easy*** flow rate control and turndown.

The compact, injection-molded housing and clear pump head offer both ***affordability*** and chemical resistance.

The industrial grade, low-stress diaphragm provides ***long life***, even in harsh conditions and continuous duty cycles.

Series 100 Models - The preferred metering pump for water conditioning professionals around the world. Perfect for applications where economical, consistent performance is required. Capable of a wide range of flows, from less than 3 USGPD (0.47 lph) up to 30 USGPD (4.72 lph) and pressures up to 100 PSIG (7 BAR).
Series 150 Models - Built upon the same solid platform as the 100 Models, these units are capable of higher flow rates. With a range offering up to 100 USGPD (15.76 lph), the Series 150 can meet the demands of larger applications. Maximum pressure is 60 PSIG (4.2 BAR).

Features

- Guided Quad Check Valve System.
- Bleed Valve Assembly Standard.
- Feed Rate Control.
- Duplex Models. Both Series are configurable for dosing two chemicals at different rates.

Controls

Feed Rate Control

- Adjustable Feed Rate.

Standard Agency Listings			
Model	ETL	ETLsan	CE
All 60Hz	X	X	
100-150 50Hz			X
200 50Hz			
Contact factory for alternate listings			

Operating Benefits

- Reliable metering performance.
- Sealed gear train.
- Easy tube change-out.
- Self priming.
- Chemical resistant materials.
- Simple installation.

Aftermarket

- KOPkits
- Gauges
- Dampeners
- Pressure Relief Valves
- Tanks
- Pre-Engineered Systems
- Process Controllers (MicroVision)

CHEM-TECH **Series 100/150**

Mechanical Metering Pumps

CHEM-TECH Series 100, 150

Specifications and Model Selection

MODELS:		
Series 100		
X003	=	3 gpd (0.47 lph) max pres.: 100 PSI (7 BAR)
X007	=	7 gpd (1.00 lph) max pres.: 100 PSI (7 BAR)
X015	=	15 gpd (2.34 lph) max pres.: 100 PSI (7 BAR)
X024	=	24 gpd (3.78 lph) max pres.: 100 PSI (7 BAR)
X030	=	30 gpd (4.72 lph) max pres.: 100 PSI (7 BAR)
Series 150		
X068	=	68 gpd (10.72 lph) max pres.: 60 PSI (4 BAR)
X100	=	100 gpd (15.76 lph) max pres.: 60 PSI (4 BAR)

MODELS:		
Series 100D Duplex Pump		
144	=	4.0 gpd (0.63 lph) / 4.0 gpd (0.63 lph) max pres.: 50 PSI (3.5 BAR)
145	=	5.0 gpd (0.79 lph) / 4.0 gpd (0.63 lph) max pres.: 50 PSI (3.5 BAR)
155	=	5.0 gpd (0.79 lph) / 5.0 gpd (0.79 lph) max pres.: 50 PSI (3.5 BAR)
244	=	6.5 gpd (1.03 lph) / 6.5 gpd (1.03 lph) max pres.: 75 PSI (5.25 BAR)
245	=	7.5 gpd (1.18 lph) / 6.5 gpd (1.03 lph) max pres.: 75 PSI (5.25 BAR)
255	=	7.5 gpd (1.18 lph) / 7.5 gpd (1.18 lph) max pres.: 75 PSI (5.25 BAR)
264	=	12.0 gpd (1.89 lph) / 8.0 gpd (1.26 lph) max pres.: 60 PSI (4.2 BAR)
265	=	12.0 gpd (1.89 lph) / 9.0 gpd (1.43 lph) max pres.: 60 PSI (4.2 BAR)
344	=	14.0 gpd (2.21 lph) / 14.0 gpd (2.21 lph) max pres.: 75 PSI (5.25 BAR)
345	=	18.0 gpd (2.84 lph) / 14.0 gpd (2.21 lph) max pres.: 75 PSI (5.25 BAR)
355	=	18.0 gpd (2.84 lph) / 18.0 gpd (2.84 lph) max pres.: 75 PSI (5.25 BAR)
364	=	25.0 gpd (3.94 lph) / 15.0 gpd (2.37 lph) max pres.: 60 PSI (4.2 BAR)
365	=	25.0 gpd (3.94 lph) / 19.0 gpd (3.0 lph) max pres.: 60 PSI (4.2 BAR)
444	=	30.0 gpd (4.72 lph) / 30.0 gpd (4.72 lph) max pres.: 75 PSI (5.25 BAR)
445	=	30.0 gpd (4.72 lph) / 33.0 gpd (5.20 lph) max pres.: 75 PSI (5.25 BAR)
Series 150D Duplex Pump		
455	=	33.0 gpd (5.20 lph) / 33.0 gpd (5.20 lph) max pres.: 75 PSI (5.25 BAR)
464	=	69.0 gpd (10.88 lph) / 32.0 gpd (5.05 lph) max pres.: 60 PSI (4.2 BAR)
465	=	69.0 gpd (10.88 lph) / 24.0 gpd (3.79 lph) max pres.: 60 PSI (4.2 BAR)
466	=	69.0 gpd (10.88 lph) / 69.0 gpd (10.88 lph) max pres.: 60 PSI (4.2 BAR)

Engineering Data

Pump Head Materials Available:	Clear PVC
	PVC
	PP
	316SS
Diaphragm:	CSPE
	Viton
	PTFE-faced CSPE backed
Check Valves Materials Available:	
Seats/O-Rings:	PTFE
	CSPE
	Viton
Balls:	Ceramic
	PTFE
	316 SS
Fittings Materials Available:	GFPPL
	PVC
	PVDF
Bleed Valve:	Same as fitting and check valve selected, except 316SS
Injection Valve & Foot Valve Assy:	Same as fitting and check valve selected
Tubing:	Clear PVC
	White PE
	Black PE

Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

Engineering Data

Viscosity Max CPS:	300 CPS
Power Input:	115 VAC/60 HZ,
	230 VAC/50 HZ
	230 VAC/60 HZ
Temperature Limitations:	125ºF / 51ºC max.
Shipping Weight:	8 lbs. / 3.63kg.

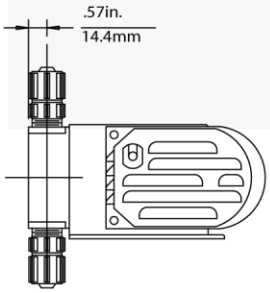
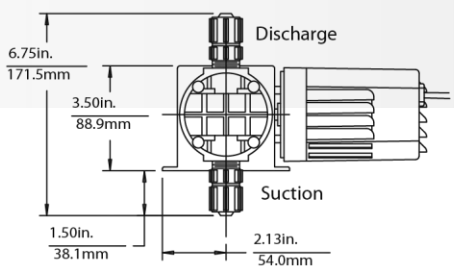
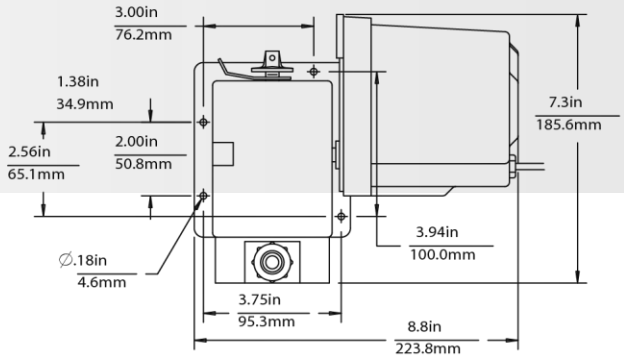
Specifications subject to change without notice.

Integrated Tank Systems

Integrated Tank Systems

Pulsafeeder's ITS System is a completely integrated tank system constructed of high density UV resistant polyethylene (PE) with a 15 gallon capacity. This tank system is translucent with 5 gallon increments and the tank's low level indicator allows visual monitoring of chemicals without opening the tank. The tight fitting child proof lid keeps the chemical free of contaminants and protects the surrounding area from chemical fumes.

The ITS System also allows for easy access to the liquid end and control panel of the mounted pump.

A system consists of a chemical tank with lid and bulkhead fittings, a liquid level indicator float assembly and feeder mounting hardware.

Dimensions All dimensions expressed as inches (mm)