

Chem-Tech Series 100D/150D Duplex Pumps

The Chem-Tech Series 100 is the standard by which all other dosing pumps are judged, Chem-Tech Series 100D/150D duplex pumps with motorized-diaphragm technology deliver dependable performance and extended longevity. The Series 100D/150D 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 1008 Models -

Perfect for applications where economical, consistent performance is required. Capable of a wide range of flows, from less than 4 USGPD (0.63 lph) up to 33 USGPD (5.2 lph) and pressures up to 75 PSIG (5.25 BAR).

Series 1508 Models - Built upon the same solid platform as the 100D Models, these units are capable of higher flow rates. With a range offering up to 69 USGPD (10.88 lph), the Series 150D can meet the demands of larger applications. Maximum pressure is 60 PSIG (4.2 BAR).

Features

- DUPLEX - Dose 2 Chemicals at different rates.
- 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.

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 (PULSAbue, MicroVision)



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

CHEM-TECH Series 100/150
Mechanical Metering Pumps



Specifications and Model Selection

Chem-Tech Series 100D and 150D AcXYg

Series 100D Duplex Pump

%44	= 4.0 gpd (0.63 lph) / 4.0 gpd (0.63 lph)	max pres.: 50 PSI (3.5 BAR)
%45	= 5.0 gpd (0.79 lph) / 4.0 gpd (0.63 lph)	max pres.: 50 PSI (3.5 BAR)
%55	= 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 i d'Yl 'Di a d

%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

CSPE

Viton

PTFE-faced CSPE

Diaphragm:

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:

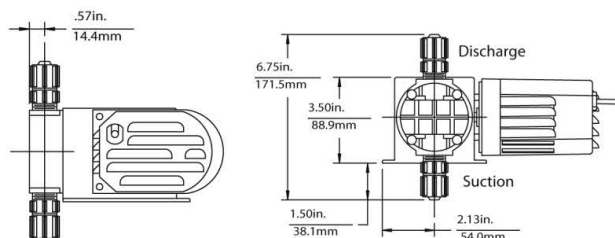
Clear PVC

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.

Dimensions All dimensions expressed as inches (mm)



Engineering Data

Viscosity Max CPS:

300 CPS

Power Input:

115 VAC/60 HZ,

230 VAC/50 HZ

230 VAC/60 HZ

Temperature Limitations:

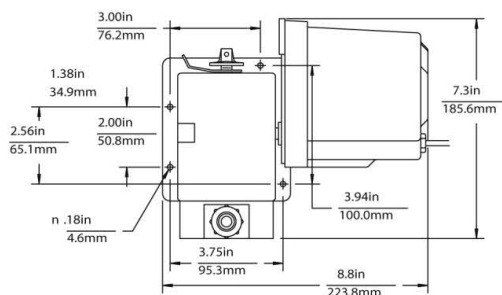
125°F / 51°C max.

Shipping Weight:

10 lbs. / 4.54kg.

Specifications subject to change without notice.

Dimensions of Series 100 (Simplex) Shown



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