

# CHEM-TECH

## Series 100 & 150

Metering Pumps

**PULSAFEEDER**<sup>®</sup>  
A Unit of IDEX Corporation

### Industry Leading Performance

The Series 100 & 150 positive displacement, diaphragm metering pumps are respected by professionals around the world for dependability, easy maintenance, and versatility in a wide range of water treatment applications.

The Series 100D & 150D with dual head assemblies are ideal for metering two solutions at different outputs. Engineered with the same rugged compact economical design as the Series 100.

### Operating Benefits

- **Versatility.** Range of models offering feed rates from 3 GPD to 100 GPD at operating pressures up to 100 PSI.
- **Feed Rate Control.** The output is fully adjustable over the entire operating range.
- **Bleed Valve Assembly.** Aids in priming and relieves pressure from the discharge line.
- **Sealed Gear Train.** Lowers maintenance and extends the life of the pump.
- **Guided 4-ball check valve.** Ensures accurate and reliable metering performance.
- **Chemical Resistant Materials.** Motor and gear shaft are treated with a special lubricant to extend the life of the pump in normal operating environments.
- **Simple Installation.** Injection back pressure valve assembly enables injection at an angle and inhibits siphoning.
- **Complete list of accessory fittings and assemblies available to enhance performance and simplify operation.**



Series 100 & 150



Series 100D

technology  
innovation diversity  
excellence

# Chem-Tech Series 100 & 150 Specifications

MATERIALS OF CONSTRUCTION		
DESCRIPTION	STANDARD PUMPS	MATERIALS FOR SPECIAL APPLICATIONS
Pump Head	SAN	PVC, Polypropylene, or 316 SST
Diaphragm	Hypalon	Viton, PTFE Coated
Valve Seats	Hypalon	Viton, PTFE
Gaskets	PTFE	PTFE
Discharge Tubing	Polyethylene	1/2" NPT Connections
Suction Tubing	Flexible PVC	1/2" NPT Connections
Ball Checks	Ceramic	PTFE, 316 SST
Fittings	PVC	Polypropylene, 316 SST

**NOTE:** Maximum viscosity: 300 Cp., consult factory or chemical Resistance Guide for specific solutions, special components and accessories.

**DIMENSIONS:**

6+3/4"Hx8+7/8"Wx7+1/4"D (Series 100 & 150)  
6+3/4"Hx12+5/16"Wx7+1/4"D (Series 100D)

**TEMPERATURE LIMITATIONS:**

125°F/51°C max.

**ELECTRICAL REQUIREMENTS:**

1/60 HP, 115V/60cy; 230V/60cy and 230V/60cy available on request

**SHIPPING WEIGHT:**

8 lbs./3.63 kg. (Series 100 & 150)  
12 lbs./5.4 kg. (Series 100D)

Specifications subject to change without notice.

SPECIFICATIONS					SPECIFICATIONS				
Model Number	Max Pressure (psi/kgm <sup>2</sup> )	Output Capacity at Max PSI (gpd/lpd per head)	Strokes/Minute	Amps 115v, Full Load	Model Number	Max Pressure (psi/kgm <sup>2</sup> )	Output Capacity at Max PSI (gpd/lpd per head)	Strokes/Minute	Amps 115v, Full Load
<b>SERIES 100</b>					1265	60/4.2	12.0/45.5	13	.40
003	100/7	3/11.36	7	.30			9.0/34.4		
007	100/7	7/26.50	13	.42	1344	75/5.25	14.0/53.0	25	.59
015	100/7	15/56.78	25	.59			14.0/53.0		
024	100/7	24/90.84	51	.75	1345	75/5.25	18.0/68.1	25	.59
030	100/7	30/113.55	51	.79			14.0/53.0		
<b>SERIES 150</b>					1355	75/5.25	18.0/68.1	25	.59
068	60/4.2	68/257.38	51	1.0			18.0/68.1		
100	60/4.2	100/378	70	1.0	1364	60/4.2	25.0/94.6	25	.59
<b>SERIES 100D</b>							15.0/56.8		
1144	50/3.5	4.0/15.1	7	.28	1365	60/4.2	25.0/94.6	25	.59
		4.0/15.1					19.0/71.9		
1145	50/3.5	5.0/18.9	7	.28	1444	75/5.25	30.0/113.5	51	.76
		4.0/15.1					30.0/113.5		
1155	50/3.5	5.0/18.9	7	.28	1445	75/5.25	30.0/124.9	51	.76
		5.0/18.9					33.0/113.5		
1244	75/5.25	6.5/24.6	13	.40	<b>SERIES 150D</b>				
		6.5/24.6			1455	75/5.25	33.0/124.9	51	.76
1245	75/5.25	7.5/28.4	13	.40			33.0/124.9		
		6.5/24.6			1464	60/4.2	69.0/261.2	51	.76
1255	75/5.25	7.5/28.4	13	.40			32.0/121.1		
		7.5/28.4			1465	60/4.2	69.0/262.2	51	.76
1264	60/4.2	12.0/45.4	13	.40			24.0/132.8		
		8.0/30.3			1466	60/4.2	69.0/261.2	51	.76



An ISO Certified Company



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