

# CHEM-TECH

## Series 200 & 250

Metering Pumps

**PULSAFEEDER®**  
A Unit of IDEX Corporation

The Series 200 & 250 are mechanically activated, heavy duty diaphragm feed pumps that provide excellent efficiency under strenuous conditions. The Series 200 pumps are popular for their rugged design for continuous duty operation, while the Series 250 combines the power and repeatability of piston pumps with the chemical resistance of diaphragm pumps for high pressure applications.

### Operating Benefits

- **Versatility.** The Series 200 offers feed rates from 10 to 120 gpd (1.5 to 18.9 lph) and operating pressures up to 150 psi (10.3 bar), while the Series 250 offers feed rates to 108 gpd (17 lph) and operating pressures up to 225 psi (15.5 bar).
- **Feed Rate Control.** The output is fully adjustable over the entire operating range.
- **Durability.** Strong fibercore casing and corrosion-resistant rubber and plastic solution handling components.
- **Reliability.** Oil immersed gear train and heavy duty, fan-cooled motor with thermal overload protection.
- **Long life.** Metal reinforced, short stroke diaphragm.
- **Bleed valve assembly.** Aids in priming and relieves pressure from the discharge line.
- **High torque motor-gear coupling.** Ensures start-up under maximum pressure.
- Many accessory fittings and assemblies available to enhance performance and simplify operation.



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# Chem-Tech Series 200 & 250 Specifications

## SPECIFICATIONS

Model Number	Max Pressure (psi/kgm <sup>2</sup> )	Output Capacity at Max PSI (gpd/lpd per head)	Shipping Weight (lbs/kg)
<b>SERIES 200</b>			
200/210	150/10.5	10/37	17/7.7
200/215	150/10.5	15/56	17/7.7
200/220	150/10.5	20/75	17/7.7
200/230	125/8.5	30/113	17/7.7
200/240	125/8.5	40/151	17/7.7
200/260	125/8.5	60/227	17/7.7
200/280	100/7	80/302	17/7.7
200/2-100	100/7	100/378	17/7.7
200/2-120	80/5.5	120/454	17/7.7
<b>SERIES 250</b>			
250/253	225/15.5	76.8/290.7	21/9.5
250/254	160/11	108/408.8	21/9.5

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

## DIMENSIONS:

Series 200 7.75"H x 7.25"W x 15.25"D  
19.69cm x 18.42cm x 38.74cm

Series 250 9.375"H x 7.25"W x 15.625"D  
23.81cm x 18.42cm x 39.69cm

## TEMPERATURE LIMITATIONS:

122°F/70°C max.

## ELECTRICAL REQUIREMENTS:

1/20 HP, 115V/60Hz 1.8A, 230V/60Hz .8A or 230V/50Hz .7A (Series 200)

1/20 HP, 115V/60Hz .8A, 230V, 50/60 Hz .4A (Series 250)

Specifications subject to change without notice.

## MATERIALS OF CONSTRUCTION

Description	Standard Pumps	Optional
<b>Series 200</b>		
Pump Head	SAN	PVC, Polypropylene, PPS, 316 SST
Diaphragm & Valve Seats	Hypalon	Viton, Silastic, PTFE Coated
Gaskets	PTFE	
Ball Checks	Ceramic	PTFE, 316 SST
Fittings	PVC	Polypropylene, PPS, 316 SST
Discharge Tubing	Polyethylene	1/2" NPT Connections
Suction Tubing	Flexible PVC	1/2" NPT Connections
Motor	Open	TEFC
<b>Series 250</b>		
Pump Head	PVC	316 SST
Diaphragm & Valve Seats	PTFE	
Gaskets	PTFE	
Ball Checks	Ceramic	PTFE, 316 SST
Fittings	PVC	316 SST
Discharge Tubing	Polyethylene	1/2" NPT Connections
Suction Tubing	Flexible PVC	1/2" NPT Connections
Motor	TEFC	



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