

General Description

The Model 1270 is a motor driven, adjustable chemical metering pump. It is capable of handling most chemical solutions and light slurries. The simple design provides reliable and economic operation.

The mechanically actuated diaphragm pump is available in either simplex or duplex models. Each head is individually adjustable while the pump is operating.

Performance

The Model 1270 is the most economical 1200 series pump. The simplex version has a maximum capacity range of 0.8 to 18.0 gph and pressure range up to 200 psig. It includes a heavy-duty ball bearing cam which minimizes wear and prolongs pump life. The speed reducer is totally immersed in oil for full protection and minimal wear.

Materials of Construction

Chemical resistant heads are available in PVC, clear Tyril® and 316 Stainless Steel. Combined with diaphragm selection of Hypalon® or Viton®, the Model 1270 can meet the most demanding requirements of chemical metering. Uniquely designed poppet check valves allow for more reliable seating and increased accuracy compared to the standard ball check valve.

Features

- A separate manual stroke length control for each individual pumping head allows in-motion capacity adjustment of 0-100%.
- Transparent Tyril® head permits visual flow monitoring.
- Self-priming allows pumping from original chemical container.
- Tubing connections include foot valves and injection nozzles.
- Standard foot mounted NEMA 48 to 56 frame with fractional horsepower AC motor.
- Heavy duty ball bearing cam with worm and wheel speed reducer.



Options

- Plastic slurry head available up to 500 SSU
- Viscosity limit doubles with rigid pipe system
- 5000 SSU limit with 316SS ball checks and 4" head
- Explosion proof Chem Duty or DC motor
- Automatic AC or DC motor speed control by analog input signal
- Anti-siphon valves
- Wall bracket
- Splash guard
- Pipe connections

Applications

Proven reliable in thousands of long-term installations, the 1200 Series pumps are widely used in such applications as:

- Potable water treatment
- Wastewater treatment
- Industrial process water
- Industrial waste
- Cooling towers
- Metal processing
- Food industry
- Paper industry

Technical Data

Capacity per Head (GPH)	Maximum Pressure (psig)	Model Number*	Head Diameter	Conn Type	Speed (SPM)	Maximum Viscosity SSU
0.8	150	1271-1_-91_	3" Plastic	Tubing	35	125
0.8	150	1271-3_-91_		Pipe	35	250
2.5	150	1271-1_-92_		Tubing	105	125
2.5	150	1271-3_-92_		Pipe	105	250
6.0	125	1271-2_-91_	4" Plastic	Tubing	35	250
6.0	150	1271-4_-91_		Pipe	35	500
6.0	200	1271-42-91_	4" SS	Pipe	35	5000
18.0	125	1271-2_-92_	4" Plastic	Tubing	105	125
18.0	150	1271-4_-92_		Pipe	105	250
18.0	200	1271-42-92_	4" SS	Pipe	105	250**
Suction Lift		3 ft. H ₂ O for non-effervescent fluids				
Weight including motor		Simplex: 65 lbs., Duplex: 75 lbs.				

*Model number listed describes a simplex pump with a 1/4 Hp, 60 Hz motor

**5000 SSU limit using DC drive @ maximum 69 SPM

Temperature of Process Fluid

Material	Temperature Range
Hypalon®	32-150°F
Viton®	32-180°F
PVC/Tyrl®	32-120°F
316SS	32-180°F

