

# FlexFlow

## PISTON DIAPHRAGM PUMP FOR ACIDS AND OTHER CHEMICALS

DEMA's FlexFlow is the ideal solution for water treatment plants, greenhouses, orchards, car washes and other industrial applications to deliver acids and virtually any chemical directly into pressurized water lines. PDP is simple to use and program with state of the art technology that can vary chemical deliver volumes for changes in water flow and pressure for a precise downstream solution.

- Uses dry pulse from water meter for accurate proportional chemical injection across changes in water flow and pressure
- Probe allows unit to display pH, multiple alarm options and probe based chemical injection (instead of water meter pulse injection)
- Easily programs with keypad and liquid crystal display
- Built-in priming valve eliminates air in chemical feed line and potential for inaccurate dilutions
- Dust cover protects display and keypad
- Multiple models available for higher or lower pressure and higher volume

0960.A



**DEMA**

DEMA Engineering Company 10020 Big Bend Blvd St. Louis, MO 63126  
Phone: 314.966.3533 or 800.325.3362 Fax: 314.965.8319 [www.demaeng.com](http://www.demaeng.com) [sales@demaeng.com](mailto:sales@demaeng.com)

# FlexFlow

PISTON DIAPHRAGM PUMP FOR ACIDS AND OTHER CHEMICALS

## Model

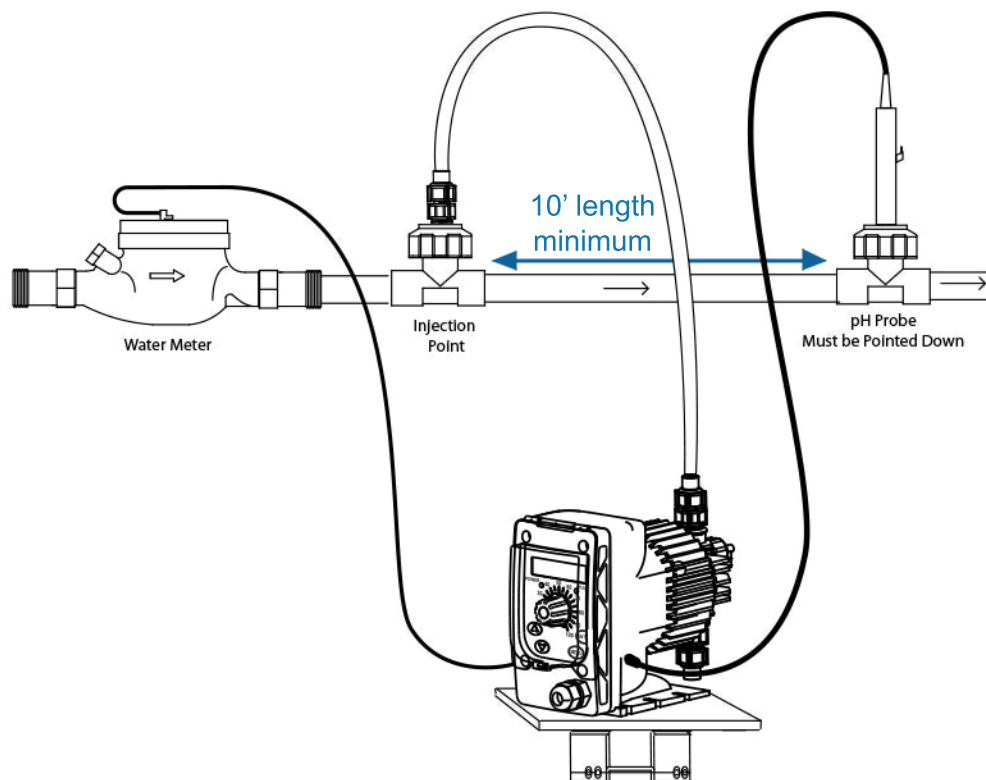
0960.A

## Description

Chemical metering pump with pH control option for pressurized water lines

## Specifications

Control Function	Trigger based activation or pH with probe
Main Power	120 VAC
Power Connection	6 ft. power cord with standard wall outlet plug
Pump Rate (Max)	1.25 gallons per hour (at 110 PSI)
Maximum Injection Pressure	110 PSI
Stroke length	Maual adjustment
Stroke frequency	1 - 7500 stokes per hour
Case Materials	NEMA 4X thermoplastic enclosure with clear Lexan cover
Environmental Temperature	32 - 140F



gallons/hr treated by 1.25gal/hr of sulfuric acid		
Sample water pH 8	target residual alkalinity 100 ppm CaCO3	
1.25 gal/hr 35% sulfuric treats:		
Sample Alkalinity	Gallons of Water/hr	End point pH
200	5,500	6.33
250	3,700	6.16
300	2,800	6.05
1.25gal/hr 96% sulfuric treats:		
Sample Alkalinty	Gallons of Water/hr	End point pH
200	23,000	6.33
250	14,500	6.16
300	11,500	6.05