STENNER PUMPS®

PERISTALTIC METERING PUMPS SINCE 1957

WATER CONDITIONING

Residential or Commercial Wells or Private Water Supplies

Oxidation of Iron, Hydrogen Sulfide and Manganese

Oxidation is necessary to remove unpleasant properties found in ground water in residential and commercial water wells. Iron stains laundry and plumbing fixtures and can cause a metallic taste in the water. It can leave deposits clogging pipes and reducing flow rates. Hydrogen sulfide has corrosive properties and emits a “rotten egg” odor. Manganese causes black stains on laundry and pipes. Oxidizers can be injected to remove the undesirables from the water by filtration after adequate contact time in a retention tank.

pH Adjustment

The pH levels in the system’s water source can impact pipe conditions and impair efficient oxidation. Low pH water can be corrosive to pipes, valves, and fittings. High pH water can cause scale to form to clog the pipes.

Disinfection

Disinfection is necessary to provide biologically safe drinking water to prevent waterborne diseases. Sodium hypochlorite is a popular form of chlorine that is effective for disinfection and maintains a residual level throughout a commercial or residential plumbing system.

Water Reclamation

Before discharging into septic system or drain, wastewater is cleaned with biological and chemical treatment for non-potable water. Some areas are under water usage restrictions and often have high water utility costs. Water reclamation is an option to save on both water and sewer costs, plus comply with environmental regulations.

THE STENNER PUMP ADVANTAGE

- Self-priming
- No vapor lock from off-gassing solutions
- No loss of prime
- Simple tube replacment
- Output reproducibility
- Output volume unaffected by back pressure
- Suction lift 25'

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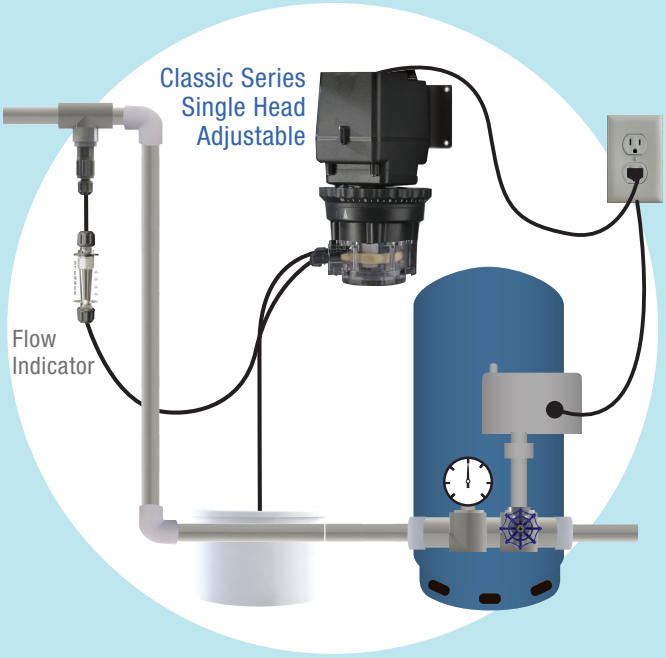
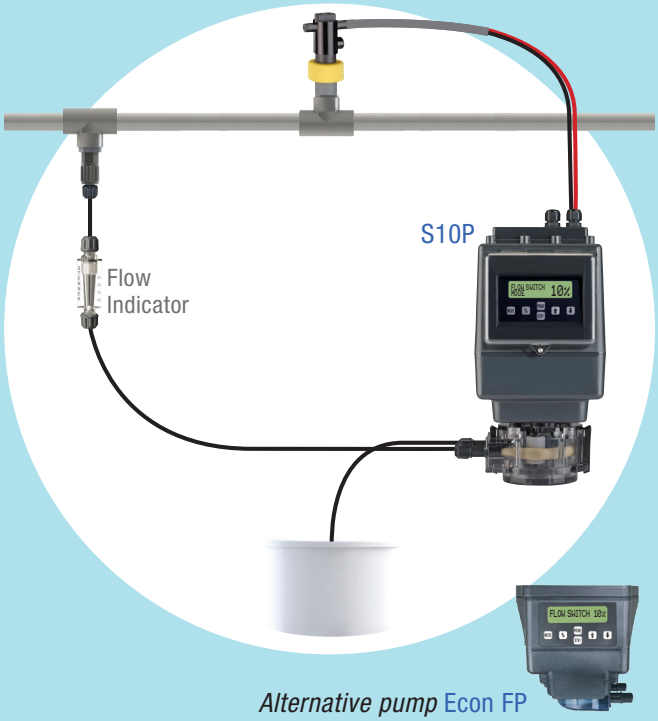
INSTALLATION EXAMPLES with Stenner Products

Pressure Switch

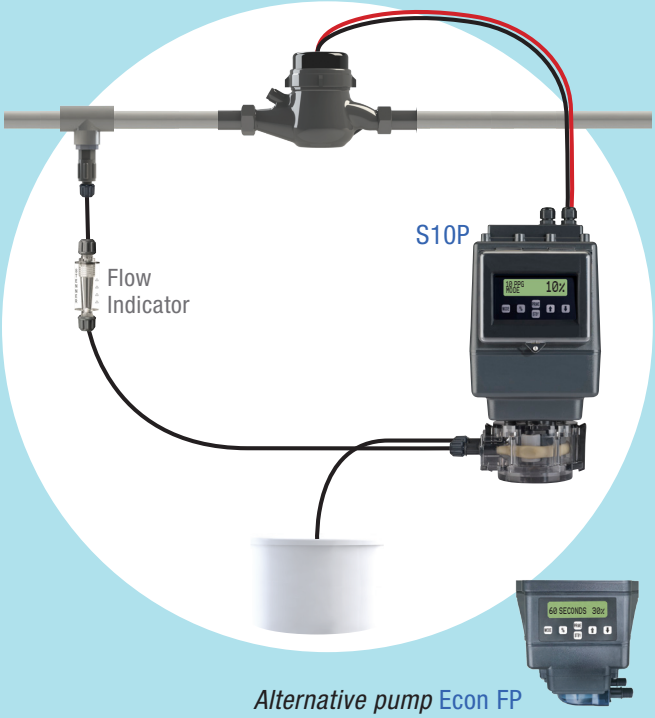


Dry Contact Flow Switch



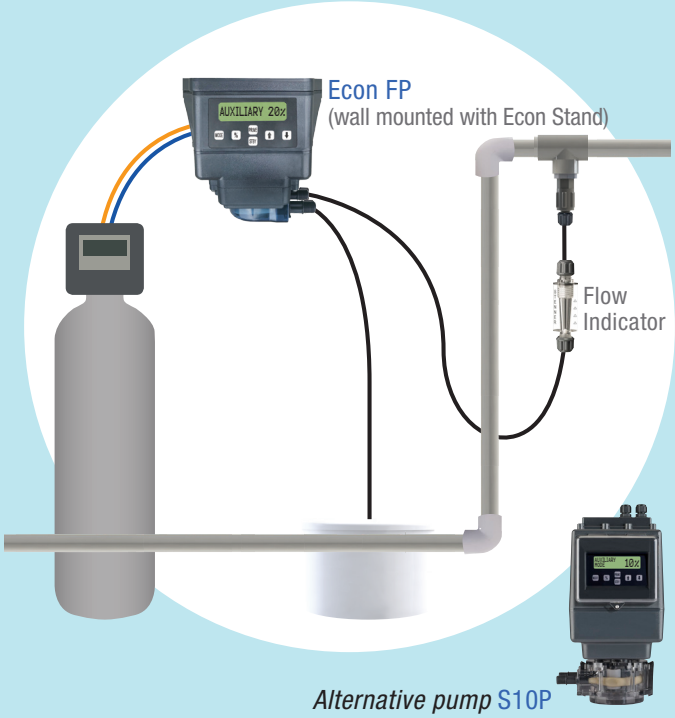
Alternative pump Econ FP

Dry Contact Water Meter



Alternative pump Econ FP

Water Softener Valve



Alternative pump S10P

ALL STENNER PUMPS OFFER SIMPLE TUBE REPLACEMENT

Flow Activated

S10P

Highlights

- Robust construction
- Totally enclosed housing
- Leak detect
- Signal repeater
- Flashing indicators
- *2 year warranty*

Flow Rate Outputs

GPD	PSI
30	100
LPD	**BAR**
114	6.9

maximums

Turndown 10:1; 10 PPG 4:1

Activation Modes

- 10 PPG
- Seconds
- Flow Switch
- Aux. 12-24 VAC/VDC

Performance Time Modes

- Pump life hours
- Tube run hours
- Tube change hours

Electromechanical

CLASSIC ADJUSTABLE or CLASSIC FIXED

Features

· Adjustable
  - External dial ring
  - 20:1 turndown, 2.5% increments
· Interchangeable models
· Access sub-components, no tools
· Tank System available

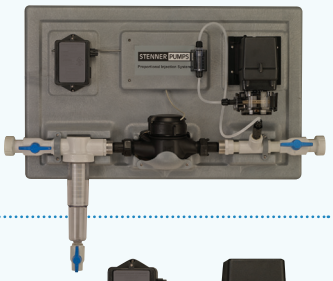
Flow Rate Outputs

GPD	PSI
85	25
40	100
LPD	**BAR**
322	1.7
151	6.9

maximums

PROPORTIONAL INJECTION SYSTEM

Components pre-installed on wall mountable heavy duty panel



Purchase separately to assemble custom proportional dosing

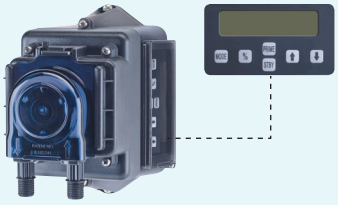
PCM

CLASSIC FIXED

WATER METER

Flow Activated

ECON FP



Features

· Activation Modes
  - Seconds
  - Flow Switch
  - Aux. 12-24 VAC/VDC
· 10:1 turndown
· Tank System available

Flow Rate Outputs

GPD	PSI
30	80
LPD	**BAR**
113.4	5.5

maximums

Available as pre-assembled Econ FP Meter System

ACCESSORIES Complement Stenner Pumps

FLOW INDICATOR

Visual confirmation solution is pumping

PCM

PCM receives water meter signal to actuate Classic single head fixed rate pump for proportional dosing based on system water flow
Adjustable 0.1 to 20.0 seconds

SOLUTION TANKS

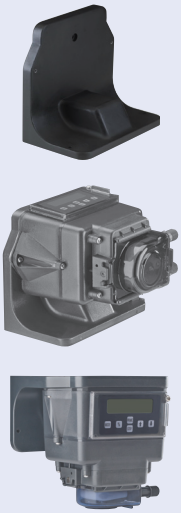
UV gray or white
7.5, 15, 30-gallon
Polyethylene

FLOW SWITCH

Paddle style
Dry contact, two-wire
Copper or PVC
3/4" or 1"

WATER METER

Reed switch, dry contact
Vertical positive displacement: 3/4"
Stainless steel: 2”
Plastic: 3/4", 1” or 1 1/2"



ECON PUMP STAND

Stand for flat surface display or wall mount