

# STENNER PUMPS

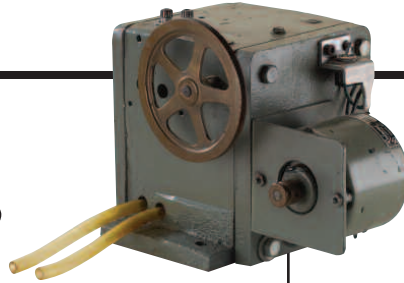


METERING PUMPS | TANK SYSTEMS | METER SYSTEMS

FLORIDA NEW YORK KANSAS

# Manufacturing Since 1957

## Stenner Pumps are Built with a Strong Work Ethic



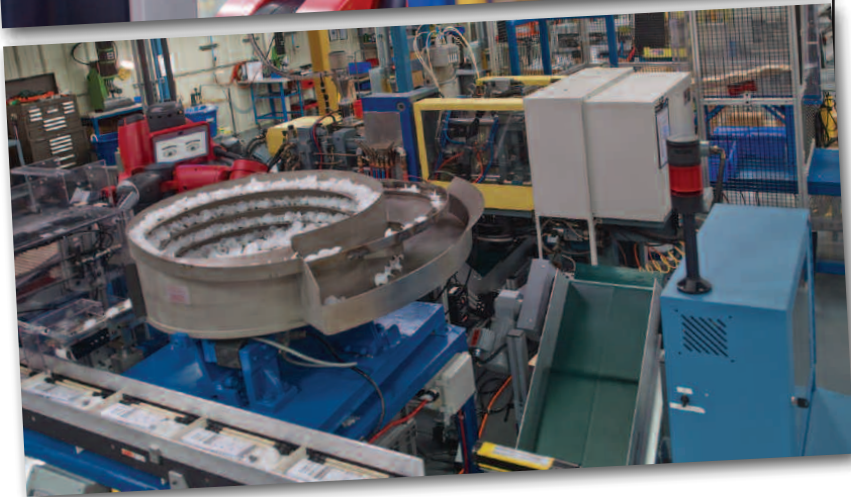
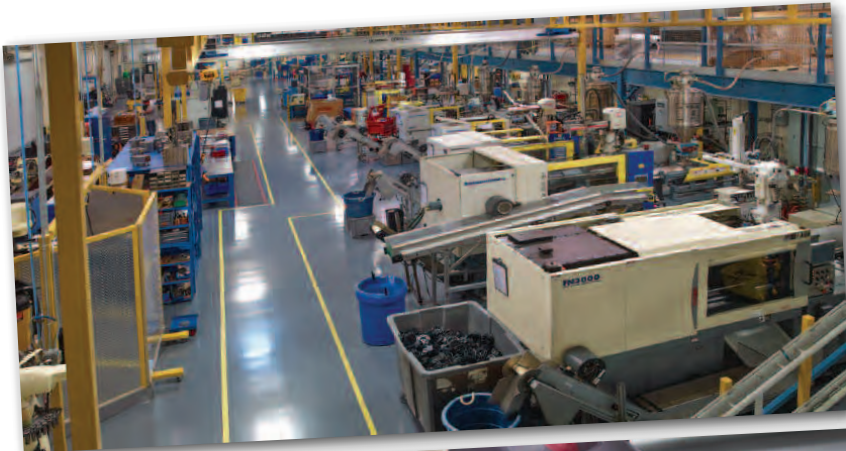
From the first bronze prototype in 1957, Gustav Stenner was meticulous about design and the manufacturing process.

To deliver reliable performance, reliability has to be built into the pump. Precise engineering with tight tolerances and a watchful eye over the manufacturing process remain part of Stenner's philosophy as the product line continues to grow.

Stenner's manufacturing begins with the raw goods and continues to the final assembly. With tooling, injection molding, CNC machining and packaging, we are committed to improving processes and craftsmanship to maintain quality.

Automation is incorporated into the processes to enhance productivity on repetitive assemblies and not to replace employees. Baxter, the robot with the expressive face, is a practical addition to our workforce.

Stenner's corporate, engineering and production headquarters are located in Jacksonville, Florida with two additional facilities in Kansas and New York. The majority of the components are designed and manufactured in the USA with a commitment to customer satisfaction.



# Why Use Stenner Pumps?



## Single Piece Tube Construction

Stenner Santoprene® pump tubes are manufactured as a single piece construction. During the manufacturing process, the tube fitting is overmolded to the tube material making it a stronger connection.

## Tube Replacement Without Tools

Available only from Stenner is the patented quick release pump head and the patent pending QuickPro® pump head. Both designs provide quick tube replacement without any tools.



## Reliable and Repeatable Injection

Stenner's self-priming pumps provide accurate dosing and consistent output reproducibility. The pump can run dry without damage and self-prime when the tank is refilled.

## Practical Design

Solutions are contained in the pump tube without exposure to air or the moving parts. The 3-point roller design acts like a check valve to help prevent backflow, siphoning, overdosing and loss of prime. A check valve or foot valve is not needed in the pump head and a degassing valve is not required.

## Less Down Time

The pumps are self-priming and do not lose prime from off-gassing solutions. The pump tubes are easy to replace and lubrication is not required. Pump components are easily accessible for timely servicing.

## Commitment to Excellence

To manufacture a reliable pump and to service the customer, Stenner believes in providing the employees with a clean and pleasant work environment. Thirty-one percent of our employees have worked with the company over 10 years.

## Inspired by Our Customers

Whatever is important to our customers is important to us and we are happy to hear what our customers have to say every day. Our receptionist answers the phone ready to direct the call to the right department; no phone trees or automated recordings. The technical department can also assist using FaceTime, Google Hangouts or Skype.

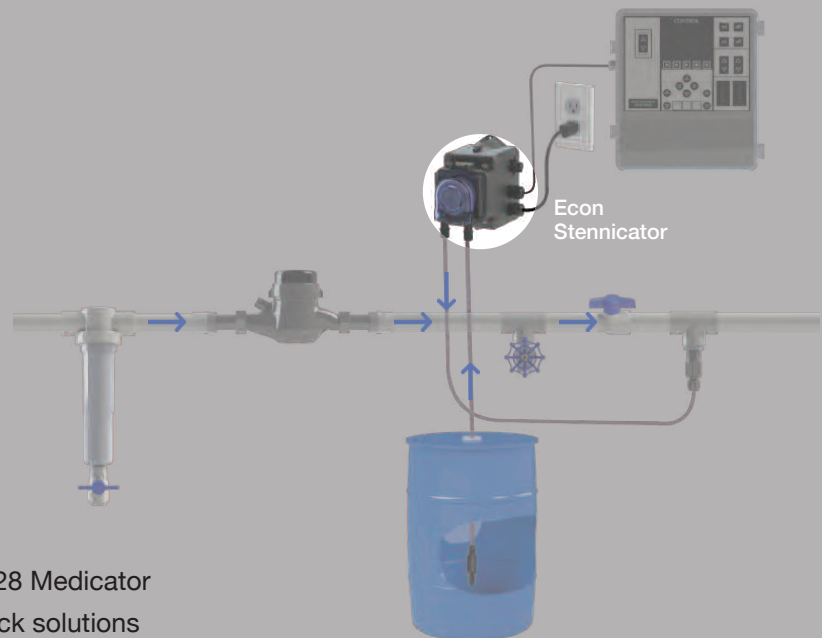
# Markets & Applications

## Water Conditioning, Animal Health, Irrigation & Horticulture



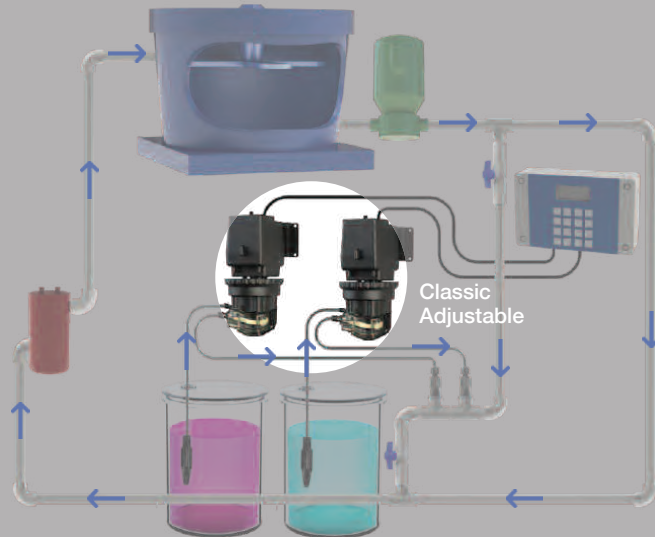
- Disinfection
- Oxidation
- pH Adjustment
- Fertilizer Injection
- Biofilm Reduction
- Odor & Stain Control
- Water Line Sanitization
- Water Meter Activated Injection
- Well & Surface Water Treatment

## Animal Health



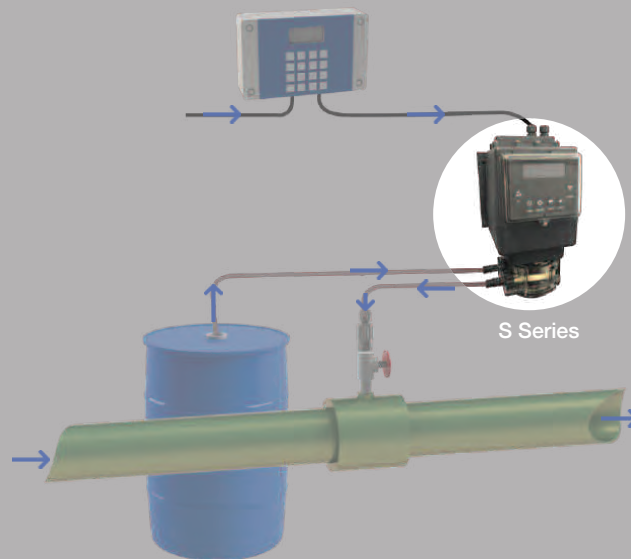
- 1:128 Medicator
- Stock solutions
- Supplements
- Water Meter Activated Injection

## Water Treatment



- Algae Control
- Legionella Prevention
- Corrosion & Scale Prevention
- pH Adjustment
- Disinfection

## Water & Wastewater

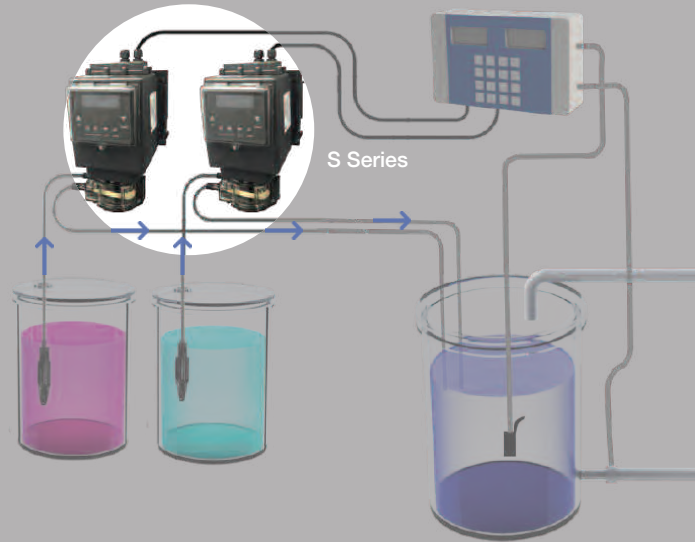
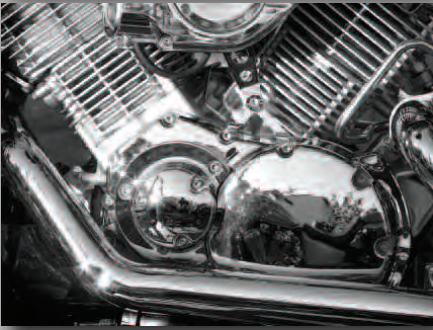


- Disinfection
- Odor & Stain Control
- pH Adjustment
- Wastewater Treatment
- Coagulation & Flocculation
- Corrosion & Scale Prevention

NOTE: Illustrations are for reference only, applications and equipment may vary.

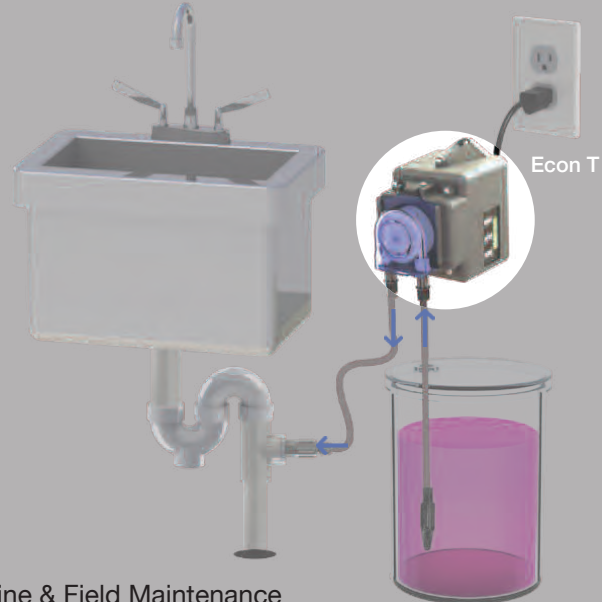
# Markets & Applications

## Industrial Process and Metal Finishing



- Process Water Treatment
- pH Adjustment
- Corrosion & Scale Prevention
- Plating Bath Treatment
- Wastewater pH Adjustment
- Injection of additives

## Food & Beverage



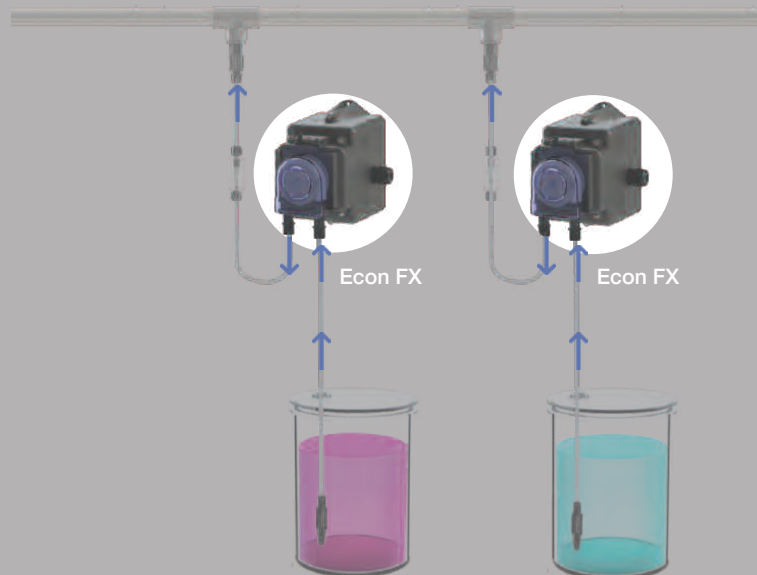
- Drain Line & Field Maintenance
- Injection of additives
- Process Water Treatment

## Commercial Pool



- Sanitization
- Enzyme Injection
- pH Adjustment
- Liquid pool covers

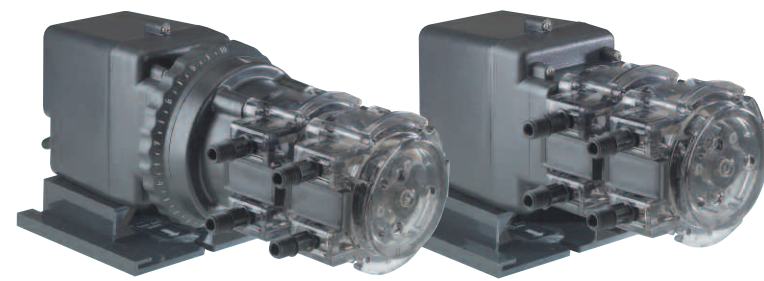
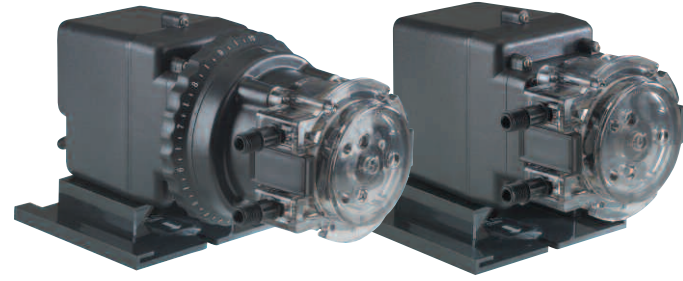
## OEM and Specialty





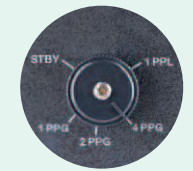
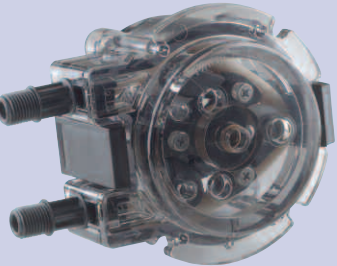

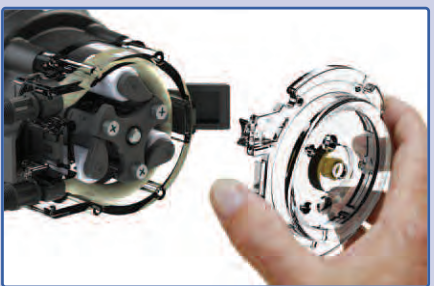





Specialized and OEM applications

NOTE: Illustrations are for reference only, applications and equipment may vary.

# QuickPro® Pump Line




	Classic 45 and 85 Series		Classic 100 and 170 Series		SVP Series	S Series	M128 Series	
TYPE	Electromechanical Single Head		Electromechanical Double Head		Variable Speed, 4-20mA input	Variable Speed, Multiple Functions	Proportional 1:128 Medicator	
CONTROL	<b>Adjustable Model</b> <ul style="list-style-type: none"> <li>External dial ring</li> <li>5%-100%, 2.5% increments</li> </ul>  <b>Fixed Model</b> <ul style="list-style-type: none"> <li>No adjustment</li> <li>Output equivalent to setting 10 on the adjustable pump</li> </ul>		<b>Adjustable Model</b> <ul style="list-style-type: none"> <li>External dial ring</li> <li>5%-100%, 2.5% increments</li> </ul>  <b>Fixed Model</b> <ul style="list-style-type: none"> <li>No adjustment</li> <li>Output equivalent to setting 10 on the adjustable pump</li> </ul>		<ul style="list-style-type: none"> <li>Digital keypad</li> <li>20:1 Turndown, 1% increments</li> <li>Non-scalable</li> </ul>  <b>SVP1</b> Manual adjustment <b>SVP4</b> Manual or automatic via 4-20 mA input signal	<ul style="list-style-type: none"> <li>100:1 Turndown</li> <li>4-20mA, 0-10VDC: scalable, invertible</li> <li>PPM Feed: Constant or Variable</li> <li>Pulse, Manual and Timer modes</li> <li>Tube Leak Detector, Tube Change Timer</li> <li>Three Output Relays</li> <li>Password Protection</li> </ul> 	<ul style="list-style-type: none"> <li>Actuated by a dry contact water meter</li> <li>Adjustable pulse with potentiometer</li> <li>Internal relay can send a signal to a controller or an additional pump with a pulse input</li> <li>Standby setting can disable pump for service and does not affect the relay</li> </ul> 	
FLOW RATES	<b>45 Series</b> <b>25 psi / 1.7 bar max.</b> 0.2 to 50.0 gpd 0.8 to 189.3 lpd  <b>100 psi / 6.9 bar max.</b> 0.2 to 22.0 gpd 0.8 to 83.3 lpd	<b>85 Series</b> <b>25 psi / 1.7 bar max.</b> 0.3 to 85.0 gpd 1.1 to 321.8 lpd  <b>100 psi / 6.9 bar max.</b> 0.3 to 40.0 gpd 1.1 to 151.4 lpd	<b>100 Series</b> <b>25 psi / 1.7 bar max.</b> 0.3 to 100.0 gpd 1.1 to 378.5 lpd  <b>100 psi / 6.9 bar max.</b> 0.3 to 20.0 gpd 1.1 to 75.7 lpd	<b>170 Series</b> <b>25 psi / 1.7 bar max.</b> 0.5 to 170.0 gpd 1.9 to 643.5 lpd  <b>100 psi / 6.9 bar max.</b> 0.5 to 34.0 gpd 1.9 to 128.7 lpd	<b>25 psi / 1.7 bar max.</b> 0.3 to 85.0 gpd 1.1 to 321.8 lpd  <b>100 psi / 6.9 bar max.</b> 0.3 to 40.0 gpd 1.1 to 151.4 lpd	<b>25 psi / 1.7 bar max.</b> 0.40 to 85.0 gpd 1.51 to 322.0 lpd  <b>100 psi / 6.9 bar max.</b> 0.05 to 40.0 gpd 0.19 to 151.0 lpd	<b>M05</b> <b>25 psi / 1.7 bar max.</b> 8.4 oz/min 249.7 mL/min	<b>M07</b> <b>100 psi / 6.9 bar max.</b> 3.5 oz/min 105.0 mL/min
SPECS	<b>45 Series</b> <ul style="list-style-type: none"> <li>26 rpm</li> <li>120V 60Hz</li> <li>220V 60Hz</li> <li>230V 50Hz</li> <li>250V 50Hz</li> </ul>	<b>85 Series</b> <ul style="list-style-type: none"> <li>44 rpm</li> <li>120V 60Hz</li> <li>220V 60Hz</li> <li>230V 50Hz</li> <li>250V 50Hz</li> </ul>	<b>100 Series</b> <ul style="list-style-type: none"> <li>26 rpm</li> <li>120V 60Hz</li> <li>220V 60Hz</li> <li>230V 50Hz</li> <li>250V 50Hz</li> </ul>	<b>170 Series</b> <ul style="list-style-type: none"> <li>44 rpm</li> <li>120V 60Hz</li> <li>220V 60Hz</li> <li>230V 50Hz</li> <li>250V 50Hz</li> </ul>	<ul style="list-style-type: none"> <li>120V 50/60Hz</li> <li>220V 50/60Hz</li> <li>230V 50/60Hz</li> <li>250V 50/60Hz</li> <li>12VDC</li> </ul>	<ul style="list-style-type: none"> <li>Brushless DC Motor</li> <li>120V 60Hz</li> <li>230V 50Hz</li> <li>NEMA 4X</li> </ul>	<ul style="list-style-type: none"> <li>120V 60Hz</li> <li>220V 60Hz</li> </ul>	
FEATURES	 <p><b>All QuickPro® Pumps</b></p> <ul style="list-style-type: none"> <li>✓ Patent pending QuickPro® Pump Head provides fast tube replacement without tools.</li> <li>✓ Collapse or expand the roller assembly with the pump head cover to remove the tube or secure it in place.</li> <li>✓ Tubes are interchangeable within the same series.</li> </ul>		    					

QuickPro Pump Line

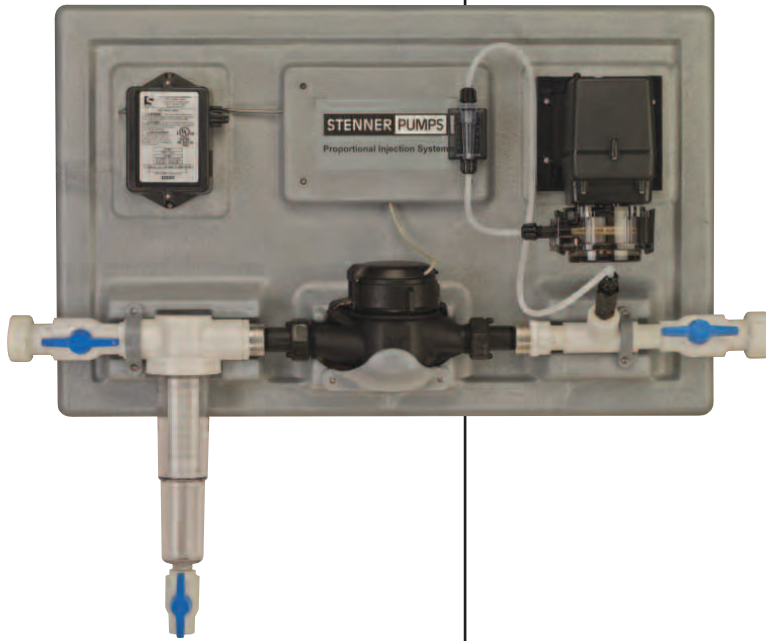


# Econ Pump Line



	OEM	OEM Batch	T Series	TD Series	TD Battery Series	FP Series	Stennicator	Integrator™	LD Series	FX Series	VX Series	F Series	V Series
TYPE	Custom OEM	Custom OEM Batch	7-Day/24-Hour Timer	7-Day/24-Hour Timer	7-Day/24-Hour Timer	Flow Activated	1:128 Medicator	Flow Activated	Low Volume	Fixed Speed	Variable Speed	Fixed Speed	Variable Speed
CONTROL	No adjustment Fixed output	Pre-set run time On/Off switch 	LCD keypad Integral timer 24 Hour clock 	LCD keypad Integral timer 24 Hour Clock 	LCD keypad Integral timer 24 Hour Clock 	LCD keypad Three operating modes 10:1 Turndown 	Pulse water meter activated Adjustable pulse 	LCD keypad Three operating modes 10:1 Turndown 	Adjustable potentiometer 50:1 Turndown 	No adjustment Fixed output	Adjustable potentiometer 	No adjustment Fixed output	Adjustable potentiometer 
FLOW RATES	<b>80 psi / 5.5 bar max.</b> 0.04 oz/hr to 2.08 gph 1.3 mL/hr to 7.88 lph	0.01 sec to 24 hrs per activation Pre-set fluid volume: - Up to 50 gpd / 80 psi max. - Up to 189.3 lpd / 5.5 bar max.	<b>25 psi / 1.7 bar max.</b> 0.22 to 1.33 oz/min 6.60 to 39.40 mL/min <b>80 psi / 5.5 bar max.</b> 0.05 to 1.92 oz/min 1.50 to 56.94 mL/min	<b>5 psi / 0.34 bar max.</b> 0.81 to 3.18 oz/min 24.0 to 94.0 mL/min	<b>5 psi / 0.34 bar max.</b> 2.2 to 4.0 oz/min 65.0 to 118.0 mL/min	<b>80 psi / 5.5 bar max.</b> 0.49 to 30.0 gpd 1.84 to 113.4 lpd	<b>80 psi / 5.5 bar max.</b> 2.7 oz/min 74.0 mL/min	<b>80 psi / 5.5 bar max.</b> 0.49 to 30.0 gpd 1.84 to 113.4 lpd	<b>80 psi / 5.5 bar max.</b> 0.04 to 50.7 oz/hr 1.3 to 1499.4 mL/hr	<b>25 psi / 1.7 bar max.</b> 0.31 to 1.62 gph 1.17 to 6.11 lph <b>80 psi / 5.5 bar max.</b> 0.58 to 0.98 gph 2.20 to 3.70 lph	<b>25 psi / 1.7 bar max.</b> 0.003 to 1.62 gph 0.13 to 6.11 lph <b>80 psi / 5.5 bar max.</b> 0.07 to 0.98 gph 0.27 to 3.70 lph	<b>25 psi / 1.7 bar max.</b> 0.46 to 2.25 gph 1.73 to 8.52 lph	<b>25 psi / 1.7 bar max.</b> 0.06 to 2.0 gph 0.23 to 7.57 lph
SPECS	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>Brushless or brushed DC motor</li> <li>Voltage options</li> <li>Agency listings vary by model</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushless motor</li> <li>Agency approvals available</li> <li>Internal or wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushed motor</li> <li>120V 60Hz</li> <li>240V 50Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushed motor</li> <li>120V 60Hz</li> <li>240V 50Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor only</li> <li>Proprietary motor</li> <li>Battery holder fits 8 D-cell (1.2V-1.5V) or 2 6V lantern batteries</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushless motor</li> <li>120V 60Hz</li> <li>240V 50Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushless motor</li> <li>120V 60Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushless motor</li> <li>120V 60Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushless motor</li> <li>120V 60Hz</li> <li>230V 50Hz</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushed motor</li> <li>120V 60Hz</li> <li>230V 50Hz</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushed motor</li> <li>120V 60Hz</li> <li>240V 50Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushed motor</li> <li>120V 60Hz</li> <li>240V 50Hz</li> <li>Wall adapter power supply</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/Outdoor</li> <li>24VDC brushed motor</li> <li>120V 60Hz</li> <li>240V 50Hz</li> <li>Wall adapter power supply</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>Designed with supplied motor &amp; gearbox</li> <li>Open or enclosed</li> <li>Serviceable liquid end, gear train &amp; motor</li> <li>Dual bearing supported output shaft</li> <li>Custom colors &amp; optional tube materials available</li> </ul>	<ul style="list-style-type: none"> <li>Activated by integral switch or customized for an input signal</li> <li>Serviceable liquid end, gear train &amp; motor</li> <li>Dual bearing supported output shaft</li> <li>Custom colors &amp; optional tube materials available</li> </ul>	<ul style="list-style-type: none"> <li>Battery back-up for events &amp; clock</li> <li>24 independent events</li> <li>Specific on &amp; off times per event</li> <li>Hour &amp; minute increments</li> </ul>	<ul style="list-style-type: none"> <li>FKM tube for d-limonene</li> </ul> <p>The TD is an extension of T Series, refer to Econ T features</p>	<ul style="list-style-type: none"> <li>FKM tube for d-limonene</li> <li>Silicone tube available</li> </ul> <p>The TD is an extension of T Series, refer to Econ T features</p>	<ul style="list-style-type: none"> <li>Seconds: accepts dry contact signal, adjustable run time, 1-60 seconds</li> <li>Flow Switch (two wire): accepts dry contact signal, adjustable speed</li> <li>Auxiliary: accepts 12-24 VAC/VDC signal, adjustable speed</li> </ul>	<ul style="list-style-type: none"> <li>Pulse settings: 1 or 10 ppg, 1 ppl</li> <li>Internal relay can activate additional Stennicators or Integrators™ with one water meter</li> <li>Standby allows service without disconnecting</li> </ul>	<ul style="list-style-type: none"> <li>Internal relay can activate additional Stennicators or Integrators™ with one water meter</li> <li>Standby allows service without disconnecting</li> <li>Three operating modes—Seconds, Flow Switch, Auxiliary—refer to Econ FP features</li> </ul>	<p><b>All Econ Pumps Designed with Patented Quick Release Pump Head</b></p>  <p>Tool-less Tube Replacement, Easy as 1, 2, 3</p>		<p><b>Optional Mounting Accessories</b></p>  <p><b>Kit</b> to attach pump to a Stenner tank or wall</p>  <p><b>Stand</b> to mount pump to a wall or display on a flat surface</p>		<p><b>ECON PUMPS COMPACT &amp; VERSATILE</b></p>

# Meter Systems

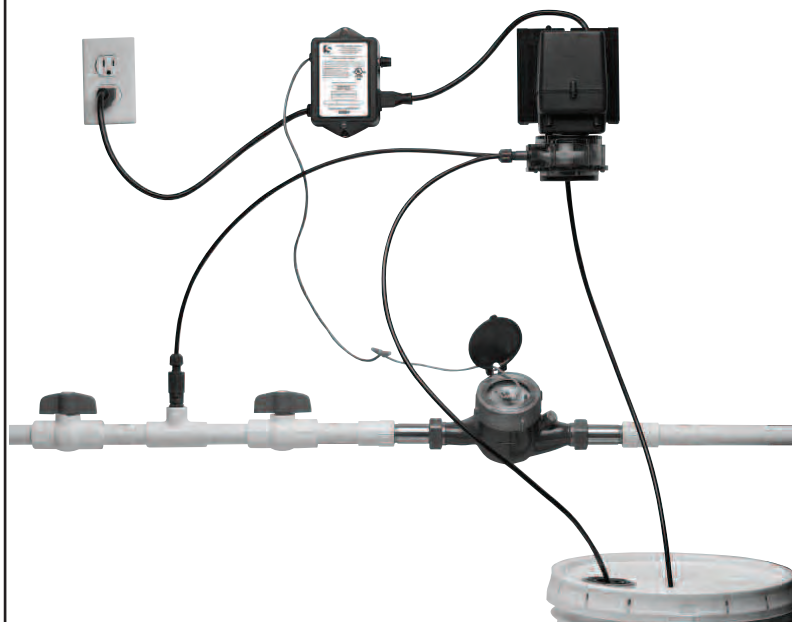


## Proportional Injection System

The Proportional Injection System doses solution that is proportional to the system's flow rate based on water volume. The water meter sends a signal to the PCM which actuates the pump. The system is suited for constant pressure (variable speed) well pumps, poultry and livestock houses, irrigation, systems with demand based backup wells and any application with varying flow rates.

- Includes a Classic single head fixed rate pump, PCM, 3/4" dry contact plastic water meter, flow indicator and filter
- Cabinet keeps cords and wires contained and accessible

Convenient pre-assembled water meter activated systems or create your own proportional feed system.

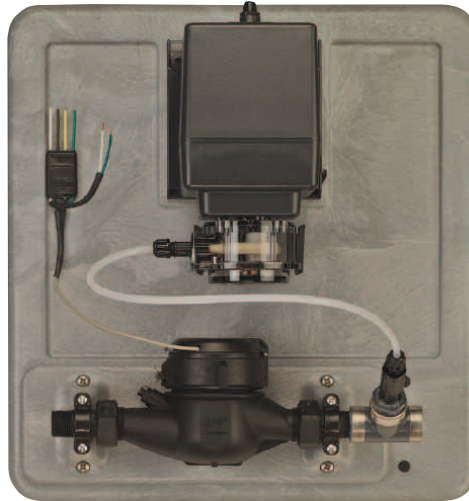


## Customize A Proportional Feed System

Individually select a PCM, Classic Series single head fixed rate pump and water meter to customize a system for your specific application.

## M128 Meter System

Primarily used for animal health, this convenient system will dose full strength or stock solutions to livestock water. The pump injects at a fixed rate of one ounce per gallon and is actuated by a signal from the dry contact water meter. The system includes the M128 pump, and a 3/4" or 1" dry contact water meter with pulse rates of 1, 2, 4, 10 pulses per gallon or 1 pulse per liter.



## Stenner Peristaltic Pumps

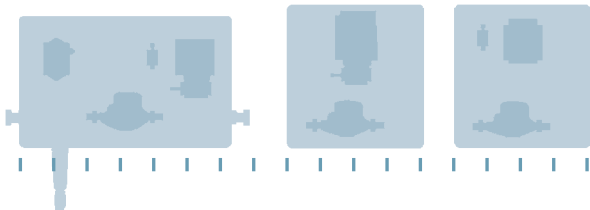
- Self-priming
- Output reproducibility
- Toolless tube change
- Can run dry
- 3-point roller design
- No vapor lock

## Econ Meter System

The Econ Meter System provides water meter activated injection. The components are shipped pre-mounted to a heavy duty panel for installation convenience. Each system includes the pump, a 3/4" or 1" dry contact plastic water meter and a flow indicator.

The Econ Stennicator Meter System provides 1:128 injection, typically for livestock supplements, directly into the water line. The Stennicator pump has a relay allowing one meter to activate additional pumps so the meter system is also offered with two Stennicators.

The Econ FP or Integrator™ systems are suited for water treatment such as disinfection or pH control. Common undiluted chemicals can be injected into the water line without harm to the pump.



# Accessories

More than just pumps, Stenner offers products to complement the pump line.



## PCM

The PCM is a time adjustable controller utilized with a Classic Series single head fixed output pump and a pulsing dry contact water meter for applications requiring proportional injection. The water meter sends a signal to the PCM and the PCM actuates the pump for proportional dosing based on water volume. The PCM is also a component in the Proportional Injection System.

- 120V
- Chemical resistant ABS plastic housing
- On-time duration set with knob adjustment with locking feature



## Tank Systems

Systems offered with the Classic Series single head fixed or adjustable pump, the M128 Series and all Econ electric-powered pumps.

- 7.5, 15 or 30-gallon
- UV gray or translucent white
- Level indicators

Tanks also sold separately



## Flow Indicator

The flow indicator is a visual reference to confirm solution is pumping and includes a bracket to secure it in place.

The technical and customer service departments are ready to personally answer your inquiries.



### Water Meter

The reed switch water meter provides a pulsing dry contact signal. Power is not required.

- Plastic\*: 3/4", 1" or 1 1/2"
- Stainless Steel\*: 2"
- Vertical Positive Displacement: 3/4"

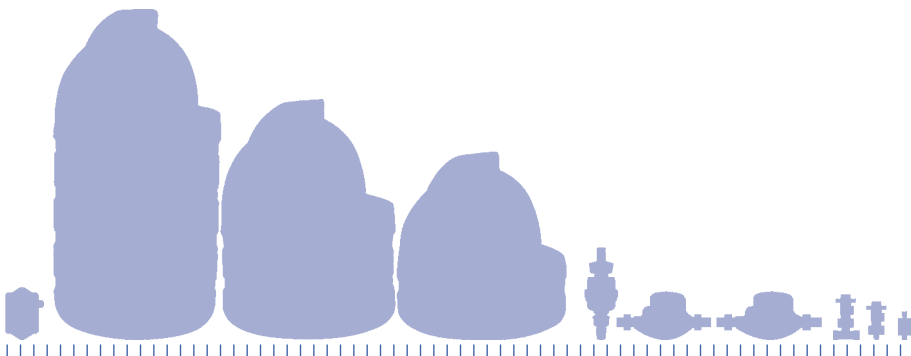
\* Certified with IAPMO under ANSI/NSF 372, low lead.



### Flow Switch

The paddle style flow switch is compatible with the Econ FP pump and is available for PVC or copper. The design uses magnetic force to reset the paddle to eliminate spring fatigue.

- 3/4" or 1"
- Two-wire, dry contact
- Glass fiber reinforced plastic construction



**STENNER  
PUMPS** Since  
1957

**STENNER PUMPS**

**STENNER PUMP COMPANY**

3174 DeSalvo Road  
Jacksonville, Florida 32246 USA

Phone 904.641.1666  
US Toll Free 800.683.2378  
Fax 904.642.1012

[www.stenner.com](http://www.stenner.com)  
[sales@stenner.com](mailto:sales@stenner.com)

 Assembled in the USA

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