

CLASSIC SERIES



For over 60 years, the versatile peristaltic Classic Series remains a popular choice with installers. The pump is easy to service or convert to another model. Injection can be directly into the water line. Pump can be activated by a pressure switch or controller

FEATURES

- Tube replacement without tools with patented QuickPro® pump head
- Adjustable models
 - External adjustable dial ring on feed rate control
 - 20:1 turndown, 2.5% increments
- Single head models:
 - Available as Tank Systems: 7.5, 15, 30 gall
 - Fixed output pump can be utilized for proportional dosing, refer to pages 54-57
- Components are interchangeable between models
- Tank System ships pre-assembled for quick installations

S SERIES



FEATURES

- Tube replacement without tools with patented QuickPro® pump head
- Brushless DC motor with ball bearing support
- Switch mode power supply
- Digital keypad with OLED display
- Modbus RTU over RS-485 capable (accessory required)
- Tank System available for quick installations

The S Series metering pump is designed for demanding applications with a robust, totally enclosed housing built to the NEMA 4X standard. The pump has backup capability to seamlessly transfer operation from the primary to a backup pump when needed. With the OLED display on the control panel and the programmable output relays, an operator can monitor the performance status of the pump. The password protection prevents unauthorized access to the programmed settings.

The pump interfaces with process control systems utilizing a 4-20mA output signal and three programmable output relays. Applications include but are not limited to return wastewater treatment, additive injection in a manufacturing process, liquid biocide injection in cooling towers. Program the pump for your application with the digital keypad. Select from nine modes of operation and several pump status indicators.

The S Series pump item number begins with S30 or S40. The difference is in the flow rate outputs, accessories and pump size.

S420 SERIES



FEATURES

- Totally enclosed housing, NEMA 4X
- Brushless DC motor with ball bearing support
- Three dedicated output relays
- LED pump status indicators
- Remote start or stop
- Activated by 4-20mA signal or manually
- Up to 60 GPD, pressures to 100 psi max.
- Up to 150 GPD, pressures to 25 psi max.
- Leak detection
- Tube replacement without tools

The S420 variable speed metering pump injects solution in direct proportion to an incoming 4-20mA analog signal. To achieve the desired flow rate output, the operator scales the pump's response to the signal from 25% to 100% of the maximum flow rate output. The chart on the right illustrates the correlation between the signal received and the pump flow rate output based on the scale setting. When operating in manual mode, the adjustment range is 5% to 100%.

The ability to accept a 4-20mA signal makes the pump well suited for use with water treatment controls including pH and ORP monitors to maintain proper water chemistry and to treat effluent discharge water. Installations can include industrial and municipal waste water treatment facilities and well or surface water treatment for municipalities who supply potable water to residential communities or commercial sites.

S VARIABLE & S FIXED SERIES



FEATURES

- Backup pump capability
- Tube leak detector
- Totally enclosed housing, NEMA 4X
- Tube replacement without tools

FIXED

- 5.0, 17.0, 40.0 or 60.0 gpd, pressures to 100 psi max
- 40.0, 60.0, 85.0 or 150.0 gpd, pressures to 25 psi max

VARIABLE

- 2.0 to 150.0 gpd, pressures to 25 psi
- 0.3 to 60.0 gpd, pressures to 100 psi

The Fixed and Variable pumps are both activated by mains power or by a Standby input.

FIXED

Operates at one speed when power is applied, or the standby input is removed. Does not have an on/off switch.

VARIABLE

Operates at the customer set speed when power is applied, or the standby input is removed.

S10P SERIES



QUICK FACTS

- Flow activated
- 10:1 turndown - 0.5 to 30.0 GPD
- 4:1 turndown 10 PPG mode - 1.3 to 30.0 GPD
- Operating pressure to 100 psi max.
- Totally enclosed housing
- Control panel with LCD display
- Tube replacement without tools

FEATURES

FLASHING INDICATORS - Prime, Standby, Signal (excludes 10 PPG mode), Leak, Level, Change, Keypad Locked.

PERFORMANCE TIME MODES

Pump Life Hours - Registers the total run hours, not resettable.

Tube Run Hours - Total hours the tube has been in service.

Tube Change Hours - Set the desired hours for tube to run. When hours are exceeded, display flashes CHANGE, as a tube replacement reminder.

LEAK DETECT - When a leak is detected, the pump stops and the display flashes LEAK. The dedicated relay can indicate to another device.

LEVEL INPUT - Utilized with a fluid level device in the solution tank. At low level, the dry contact is received on the level input, the pump stops and the display flashes LEVEL.

SIGNAL REPEATER - Dedicated relay replicates dry contact to another pump or device, for example, link multiple pumps.

S128 MEDICATOR



FEATURES

- Advantages of Stenner peristaltic pumps on page 1
- Tube replacement without tools
- Even distribution of solution with 3 automatic speeds
- LED Indicators
- Output relays
- Standby setting
- 1:128 dosing
- 10.0 ounces per minute, pressures to 60 psi max.
- Injects into system water flows up to 10 GPM
- 1 or 10 PPG and 1PPL water meter pulse settings
- Leak detect
- Built-in signal repeater
- Tube change timer
- Totally enclosed housing, NEMA 4X

The S128 Medicator is a peristaltic metering pump designed to deliver at a ratio of 1:128; 1 ounce of product into a gallon of process water. The primary application is for injection of solutions commonly used in livestock production. Activated by a dry contact pulsing water meter, the pump adjusts its speed when the system water flow increases or decreases to continuously maintain an even and proportional injection of product into the water line. The pump injects into system water flow rates up to 10 gallons per minute. The flow rate output capacity is up to 10 ounces per minute with pressures up to 60 psi.

The three pulse rate settings are the most common water meter pulse rates of 1 & 10 pulses per gallon and 1 pulse per liter. There are four LED indicators on the control panel for Leak/Fault, Overrun, Change/Level and Power/Standby. The leak detect feature can be set to stop the pump or let it continue to run when a leak is detected. The tube change timer can be set with the number of desired hours for the pump to run before the change/level LED is activated. The built-in signal repeater allows the existing water meter to register its totalizing volume to an environmental controller.

The S128 Medicator is equipped with highly chemical resistant components, 3/8" suction and discharge tubing and a durable ball and spring check valve.

ECON STENNICATOR SERIES



FEATURES

- 1:128 Injection
- 2.7 ounces per minute, pressures to 80 psi maximum
- 1 or 10 PPG and 1 PPL water meter pulse settings
- Repeater relay
- Standby setting
- Tube replacement without tools
- Activate multiple pumps from one meter
- No water restriction or pressure loss
- On/off switch
- Brushless motor
- Enclosed housing

The Econ Stennicator injects solution at a fixed ratio of 1:128. The pulse from the water meter activates the pump at a fixed run time to deliver the proper dosage. The pump has three pulse settings, adjustable with a potentiometer, to accommodate 1 or 10 pulses per gallon or 1 pulse per liter. The pump's relay repeats the incoming meter signal to another Stennicator, controller or device. Additional features include an on/off switch, prime and a standby setting.

The Stennicator, Stenner's peristaltic medicator, is not a typical 1:128 water driven proportional pump. The pump injects directly into the water line eliminating a water bypass that can restrict water flow to the drinker lines. Poor water quality, scale and solids are not harmful to the pump. The Stennicator is compact with a small footprint and can adapt to an existing pulse water meter. If utilizing a house controller, the pump's relay allows the water meter to send the signal to the controller to register the water consumption. The pump can accurately inject or be placed in standby, without interrupting the water meter signal.

ECON INTEGRATOR™ SERIES



FEATURES

- Flow activated with internal repeater relay
- 0.049–30.0 gpd, pressures to 80 psi maximum
- 10:1 turndown, 1% increments
- Digital keypad with LCD display
- Tube replacement without tools
- Patented quick release pump head
- Enclosed housing
- Wall mountable
- Optional mounting accessories available

The Econ Integrator™ is a flow activated peristaltic pump featuring three operational modes and a repeater relay. The relay provides a dry contact output signal replicating the signal the pump receives. The signal output can control another device that accepts a dry contact signal such as another Econ Integrator™. Multiple pumps can be activated by one water meter. The relay is operable in the Seconds or Flow Switch mode. In livestock operations, the relay is especially useful when an existing water meter is utilized to tally water consumption to a controller. The relay allows the meter to send a signal to the pump and to the controller; eliminating the need for another meter. The signal can be sent if the pump is operating or in standby.

Three Operating Modes

SECONDS: The pump can accept a dry (non-voltage) contact signal and will run for a set time in response. There are five pump operating time ranges; the max time is displayed on the control panel. The run time is adjustable from 10% to 100% in 1% increments.

FLOW SWITCH: The pump can accept a dry (non-voltage) contact signal from a 2 wire flow switch and will run at the set speed as long as it receives the dry contact. The pump speed is adjustable from 10% to 100% in 1% increments.

AUXILIARY: The pump can accept a 12–24 VAC/VDC signal from control equipment that responds to flow and will run at a set speed for as long as it receives the signal. The pump speed is adjustable from 10% to 100% in 1% increments. The repeater relay does not work with a 12–24 VAC/VDC signal.

ECON LD SERIES



FEATURES

- 0.04-50.7 oz/hr, pressures to 80 psi maximum
- Adjustable potentiometer
- 50:1 turndown
- Patented quick release pump head
- Tube replacement without tools
- Brushless motor
- Enclosed housing
- Optional mounting accessories available
- Tank System ships with pump pre-mounted to tank

The Econ LD is a precise, compact variable speed peristaltic pump designed for metering low volumes when reliability and accuracy are a must. Ideal for pumping flocculants, coagulants, sanitizers, and a variety of solutions. The quiet, long lasting brushless motor, in a totally enclosed housing, offers premium quality in a compact pump.

The design incorporates the latest microprocessor technology with a simple potentiometer control and on/off switch. The potentiometer has a 50:1 turndown offering a wide range of outputs. Adjusting the potentiometer clockwise gradually increases the pump speed to 100%. Turning the potentiometer fully counterclockwise turns the pump off.

ECON FP SERIES



FEATURES

- Flow activated
- 0.049–30.0 gpd, pressures to 80 psi maximum
- Digital keypad with LCD display
- 10:1 turndown, 1% increments
- Patented quick release pump head
- Tube replacement without tools
- Enclosed housing
- Solid one piece tube construction
- Wall mountable
- Optional mounting accessories available

The Econ FP is a flow activated peristaltic pump with three modes of operation. Based on the mode of operation selected, the pump runs at a set time or a set speed. The control panel displays one of three operating modes: Seconds, Flow Switch or Auxiliary. The pump is designed for light duty applications such as drinking water disinfection or pH adjustment for private water wells in homes or farms.

Econ FP Meter System or Tank System

For convenient and quick installations or turnkey operations, the Econ FP Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel. The pre-assembled Tank System is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank.

Three Operating Modes

SECONDS: Pump can accept a dry (non-voltage) contact signal and will run for a set time in response to the signal. There are five pump operating time ranges; the maximum time is displayed on the control panel. The run time is adjustable from 10% to 100% in 1% increments.

FLOW SWITCH: The pump can accept a dry (non-voltage) contact signal from a 2 wire flow switch and will run at the set speed as long as it receives the dry contact. The pump speed is adjustable from 10% to 100% in 1% increments.

AUXILIARY: The pump can accept a 12–24 VAC/VDC signal from control equipment that responds to flow and will run at a set speed for as long as it receives the signal. The pump speed is adjustable from 10% to 100% in 1% increments.

ECON FX AND VX SERIES



FEATURES

- Patented quick release pump head
- Tube replacement without tools
- Enclosed housing
- Wall mountable
- Optional mounting accessories

ECON FX

- No adjustment
- 7.4, 14.0, 24.8, or 38.8 gpd, pressures to 25 psi maximum
- 14.0 or 23.5 gpd, pressures to 80 psi maximumx

ECON VX

- Adjustable potentiometer
- 0.8 to 38.8 gpd, pressures to 25 psi maximum
- 1.7 to 23.5 gpd, pressures to 80 psi maximum

Both the Econ VX and FX are peristaltic pumps designed with a totally enclosed brushed motor for light duty or general intermittent applications. The pumps work well for fluid transfer, sampling or injecting a variety of solutions for swimming pools, food & beverage, metal finishing, irrigation and horticulture and more.

The pumps are wall mountable or select one of the optional mounting accessories. The Econ VX or FX is offered as a Tank System; the pump is shipped pre-mounted to a 7.5, 15 or 30 gallon solution tank. The pumps are cULus for indoor and outdoor use; CE IP44 is also available.

ECON T SERIES



FEATURES

- Timed injection
- Digital control pad with LCD display
- Programmable 24 hour clock
- Enclosed housing
- Wall mountable
- Patented quick release pump head
- Tube replacement without tools

ECON T QUICK FACTS

- 0.22-1.33 oz/min, pressures to 25 psi maximum
- 0.05-1.92 oz/min, pressures to 80 psi maximum
- Santoprene® pump tube
- Optional mounting accessories
- Available as a Tank System

The Econ T and TD pumps provide automatic injection and offer flexibility to program a customized dosing schedule for light duty applications. Program up to 24 independent On and Off events within a 7 day period. Each event can be set for a specific On and Off time for each selected day or days of the week. The timer is programmed in hour and minutes increments. A battery is included as back-up to power loss to maintain the time and programmed events.

ECON T APPLICATIONS

- Biocide feed for Legionella prevention in small cooling towers
- Sanitation for water fountains
- Injection of liquid solar blankets or enzymes for commercial pools
- Injection for scale and algae control in poultry evaporative cool cells
- Disinfection of poultry hatchery dip tanks

INCLUDED ACCESSORIES

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm Europe
- 1 Duckbill check valve 80 psi (5.5 bar) maximum or 1 injection fitting 25 psi (1.7 bar) maximum
- 1 Weighted suction line strainer 1/4" or 6 mm Europe
- 1 20' Roll suction/discharge tubing 1/4" white or 6 mm white Europe
- 1 Additional pump tube
- 1 Manual

ECON TD SERIES



FEATURES

- Timed injection
- Digital control pad with LCD display
- Programmable 24 hour clock
- Enclosed housing
- Wall mountable
- Patented quick release pump head
- Tube replacement without tools

ECON TD QUICK FACTS

- 0.81-3.18 oz/min, pressures to 5 psi maximum
- FKM pump tube for d-Limonene
- Indoor/outdoor use
- Optional mounting accessories

ECON TD BATTERY-POWERED

- 2.2-4 oz/min, pressures to 5 psi maximum
- FKM pump tube for d-Limonene
- Silicone pump tube
- 8 D cell batteries 1.2V-1.5V or 2 6V lantern batteries, not included
- Indoor use
- Wall mountable only

INCLUDED ACCESSORIES

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm Europe
- 1 Injection fitting
- 1 Ceramic weight with clip 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white or UV black or 6 mm white Europe
- 1 Manual and addendum
- NOTE: Econ TD Battery Pump includes 1 mounting bracket.

Econ TD pumps provide automatic injection and offer flexibility to program a customized dosing schedule for light duty applications. Program up to 24 independent On and Off events within a 7 day period. Each event can be set for a specific On and Off time for each selected day or days of the week. Timer is programmed in hour and minute increments. Battery included as back-up to power loss to maintain time / programmed events.

The Econ TD pumps are an extension of the Econ T programmable timer series designed for 5 psi or less. Timed applications such as commercial drain line maintenance, grease trap treatment or odor control installations are some of the possibilities. Unlike the Econ T, both TD pumps offer an FKM tube for d-Limonene. The Econ TD battery-powered pump offers a silicone pump tube option and is the only pump in the Econ line with a blue roller assembly.