

**S128 Medicator**


## Quick Facts

- 10.0 ounces per minute, pressures to 60 psi max.
- 1:128 dosing
- 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

## Speed Automatically Adjusts to the System Water Flow Rate

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, particularly chicken, turkey, ducks and swine.

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 adjustable potentiometer has prime, each pulse setting, reset tube timer and  (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.

## Features

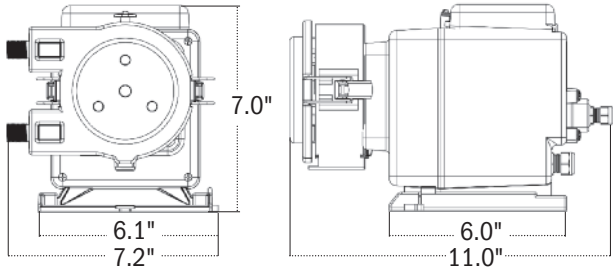
- Advantages of Stenner peristaltic pumps on page 1
- Tube replacement without tools
- Even distribution of solution with 3 automatic speeds
- LED Indicators
- Output relays
- Standby setting
- cULus for indoor/outdoor use
- NSF 61 & 372

## Weights and Dimensions

**Shipping Weight** 9 lbs (3.7 kg)

**Box Dimensions** 14 x 9 x 10 in. (35 x 23 x 24 cm)

### Product Dimensions



## S128 Medicator 60 psi (4.1 bar) max. Flow Rate Outputs

Item Number Prefix	Pump Tube	Ounces per Minute	Milliliters per Minute
<b>S4M8X</b>	8X	10.0	295.7
Approximate Output @ 50/60Hz			

### To Order, Build Pump Item Number

<b>S</b>	<b>4</b>	<b>M</b>	<b>8</b>	<b>X</b>				<b>1</b>
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Insert item number prefix and code for each specification.

code Voltage & Hertz

**AA** 120V 60Hz

Contact the factory for additional voltage and plug options.

code Suction & Discharge Tubing

**30** 3/8" White

**40** 3/8" UV Black

O.D does not affect output.

code Ball Check Valve Spring, Seat & O-ring

**1** Tantalum spring, FKM seat & O-ring

**2** Stainless steel spring, EPDM seat, Santoprene® O-ring

Refer to the chemical guide for material compatibility.

## Accessories Shipped with Each Pump

- 3 Connecting nuts 3/8"
- 1 Ball check valve
- 1 Weighted suction line strainer 3/8"
- 1 20' Roll suction/discharge tubing 3/8", white or UV black
- 1 Additional pump tube
- 1 Mounting bracket
- 1 Manual
- 1 Reference poster

## Specifications

### Flow Rate Output Control

Fixed rate, interfaces with water meter

### Reproducibility ±2

**Maximum Working Pressure** 60 psi (4.1 bar)

**Maximum Operating Temperature** 104°F (40°C)

**Maximum Altitude** 6562 ft. (2000 m)

**Maximum Suction Lift** 25 ft (7.6 m) vertical lift, based on water

**Motor Type** Brushless DC motor

**Shaft rpm** (average maximum) 45

**Duty Cycle** Continuous

**Maximum Viscosity** 1500 Centipoise

**Motor Voltage (Amp Draw)** 120V 60Hz 1PH (0.6)

**Power Cord Type** 120V 60Hz SJTOWA

**Power Cord Plug End** 120V 60Hz 5-15P

**Power Cord Length** 6 ft (1.8 m)

**Classification** Indoor/Outdoor

## Agency Listings



THIS PUMP IS TESTED AND CERTIFIED BY APMQ ACCORDING TO ANSI/NSF 61 FOR CONTACT WITH SODIUM HYPOCHLORITE AND WATER ONLY AND NSF/ANSI 372.



## Materials of Construction

**All Housings** Polycarbonate

**Pump Tube** Santoprene® (FDA approved)

### Ball Check Valve Components

- Ceramic ball (FDA approved); tantalum spring; FKM seat & O-ring **OR**

- Ceramic ball (FDA approved); stainless steel spring; EPDM seat & Santoprene® O-ring

**Pump Head Rollers** Polyethylene

**Roller Bushings** Oil impregnated bronze

**Suction/Discharge Tubing** Polyethylene (FDA approved)

**Tube Fittings, Injection Fittings** PVC or Polypropylene (both NSF listed)

**Connecting Nuts** PVC or Polypropylene (both NSF listed)

### Suction Line Strainer and Cap

PVC or Polypropylene (both NSF listed); ceramic weight

**All Fasteners** Stainless steel

**Pump Head Latches** Stainless steel

**Leak Detect Components** Hastelloy

NOTE: Refer to the chemical guide for material compatibility.