



Quick Facts

- Outputs of 0.049-30.0 gpd, pressures to 80 psi maximum
- Digital keypad with LCD display
- 10:1 turndown, 1% increments

Flow Activated

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 in response to receiving a signal. 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. Select UV Gray for outdoor installations or translucent white.

Three Operating Modes

SECONDS: The pump can accept a dry (non-voltage) contact signal and will run for a set **time** in response to receiving 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.

1 second = 0.1-1.0 5 seconds = 0.5-5.0 10 seconds = 1.0-10.0
 20 seconds = 2.0-20.0 60 seconds = 6.0-60.0

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.

Features

- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Tube replacement without tools
- Enclosed housing
- Solid one piece tube construction
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372
- CE listed, varies by model

ECON FP SERIES

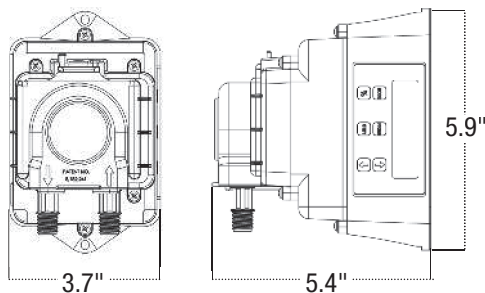
Weights and Dimensions

Pump

Shipping Weight 4 lbs (1.7 kg)

Box Dimensions 8 X 8 x 10 in. (21 x 21 x 25 cm)

Product Dimensions



Meter System

Shipping Weight 17 lbs (7.7 kg)

Box Dimensions 24 x 23 x 12 in. (61 x 58 x 30 cm)

Accessories Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm *Europe*
- 1 Duckbill check valve
- 1 Weighted suction line strainer 1/4" or 6 mm *Europe*
- 1 20' Roll suction/discharge tubing 1/4" white or UV black or 6 mm white *Europe*
- 1 Additional pump tube
- 1 Manual

Specifications

Flow Rate Output Control

Six button control panel with LCD display

Reproducibility ±2%

Maximum Working Pressure 80 psi (5.5 bar)

Maximum Operating Temperature 104°F (40°C)

Maximum Suction Lift

25 ft (7.6 m) vertical lift, based on water

Motor Type 24VDC, brushless

Shaft rpm (average maximum) 60

Duty Cycle Continuous

Maximum Viscosity 100 Centipoise

Motor Voltage

120V 60Hz (0.25A), 230V 50Hz (10W)

Power Cord Type

120V 60Hz: SJTOW, 230V 50Hz: H05RN-F

Power Cord Plug End

120V 60Hz NEMA 5-15P, 230V 50Hz CEE7/7

Power Cord Length

6 ft (1.8 m), 10 ft (3.05 m)

Classification Indoor/Outdoor

Materials of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill

Santoprene® (FDA approved)

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules

Polyethylene (FDA approved)

Tube and 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

NOTE: Refer to the chemical guide for material compatibility.

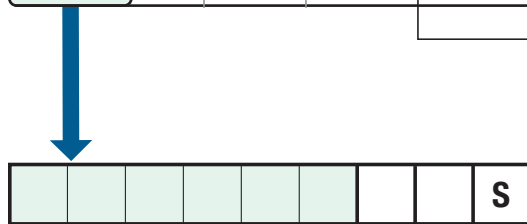
Agency Listings



ECON FP 80 psi (5.5 bar) max. Flow Rate Outputs

Item Number Prefix	Pump Tube	Roller Assembly	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E10PLM	M	White	10:1	0.49	0.02	2.6	0.04	1.84	0.08	76.7	1.3
E10PHM	M	White	10:1	0.83	0.03	4.4	0.07	3.14	0.13	130.8	2.2
E20PHM	M	White	10:1	1.41	0.06	7.5	0.13	5.36	0.22	223.2	3.7
E20PHF	F	White	10:1	4.5	0.19	24.0	0.40	17.01	0.71	708.8	11.8
E20PHG	G	Black	10:1	16.0	0.67	85.3	1.42	60.48	2.52	2520.0	42.0
E20PHH	H	Black	10:1	30.0	1.25	160.0	2.67	113.40	4.73	4725.0	78.8

Approximate Maximum Output @ 50/60Hz



To Order, Build Pump Item Number

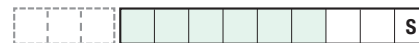
Insert item number prefix and code for each specification.

code	Voltage & Hertz	code	Suction & Discharge Tubing
7	120V 60Hz; 6' cord	1	1/4" White
8	120V 60Hz; 10' cord	2	1/4" UV Black
9	230V 50Hz; 6' cord <i>International</i>	5	6 mm White <i>Europe</i>

O.D. does not affect output.

OPTIONAL

To order **Tank System**, insert code before pump item number.



code	Tank System
S7G	7.5-Gallon UV Gray
S7N	7.5-Gallon White
S1G	15-Gallon UV Gray
S1N	15-Gallon White
S3G	30-Gallon UV Gray
S3N	30-Gallon White

To order **Meter System**, insert code after pump item number.



code	Meter System
71	3/4" 1 pulse/gallon
72	3/4" 2 pulses/gallon
74	3/4" 4 pulses/gallon
11	1" 1 pulse/gallon
12	1" 2 pulses/gallon
14	1" 4 pulses/gallon

Tank System and Meter System are two separate systems and not sold as one.

NOTE: Duckbill check valve included with pumps rated 80 psi (5.5 bar) maximum.

NOTICE: The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.