



ECON LD



Potentiometer



ECON Tank System

Quick Facts

- 0.04-50.7 oz/hr, pressures to 80 psi maximum
- Adjustable potentiometer
- 50:1 turndown

Features

- Advantages of Stenner peristaltic pumps on page 1
- 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 the tank
- cULus for indoor/outdoor use
- CE listed, varies by model
- NSF 61 & 372

Accurate Low Volume Metering

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.

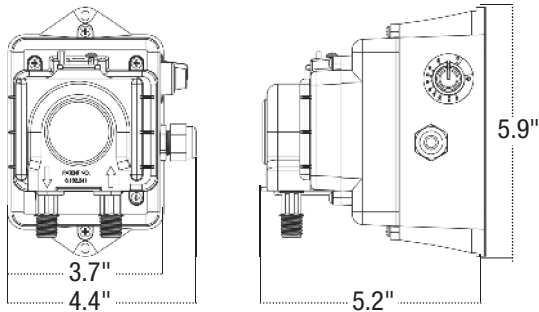
The design incorporates the latest microprocessor technology with a simple potentiometer control and on/off switch. The potentiometer has a 50:1 turndown offering a wide range of outputs. Adjusting the potentiometer clockwise gradually increases the pump speed to 100%. Turning the potentiometer fully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

Weights and Dimensions

Shipping Weight 4 lbs (1.6 kg)

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

Product Dimensions



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 6 mm white *Europe*
- 1 Additional pump tube
- 1 Manual

Specifications

Flow Rate Output Control

Potentiometer, 50:1 Turndown

Reproducibility $\pm 2\%$

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) 17

Duty Cycle Continuous

Maximum Viscosity 50 Centipoise

Motor Voltage

120V 60Hz (0.25A), 230V 60Hz (0.17A),

230V 50Hz (10W)

Power Cord Type

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

Power Cord Plug End

120V 60Hz NEMA 5-15P, 230V 60Hz NEMA 6-15P,

230V 50Hz CEE7/7

Power Cord Length 6 ft (1.8 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



IP44



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

ECON LD SERIES

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

| Item Number Prefix | Pump Tube | Roller Assembly | Turndown Ratio | Ounces per Hour | Milliliters per Hour |
|--------------------|-----------|-----------------|----------------|-----------------|----------------------|
| E10LHM | M | White | 50:1 | 0.04 to 2.4 | 1.3 to 70.0 |
| E10LHF | F | White | 50:1 | 0.11 to 8.1 | 3.2 to 240.0 |
| E10LHG | G | Black | 50:1 | 0.50 to 25.1 | 14.8 to 742.3 |
| E10LHH | H | Black | 50:1 | 1.01 to 50.7 | 29.7 to 1499.4 |

Approximate Max. Output @ 50/60Hz



To Order, Build Pump Item Number

Insert item number prefix and code for each specification.

| code | Voltage & Hertz |
|----------|--------------------------------|
| A | 120V 60Hz |
| B | 230V 60Hz |
| C | 230V 50Hz <i>International</i> |

Contact the factory for additional voltage and plug options.

| code | Suction & Discharge Tubing |
|----------|----------------------------|
| 1 | 1/4" White |
| 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 |

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.