

ECON TD PUMPS ELECTRIC OR BATTERY-POWERED

Manual Addendum to Econ T Manual

⚠️ WARNING TO BE INSTALLED AND MAINTAINED BY PROPERLY TRAINED PROFESSIONAL INSTALLER ONLY. READ MANUAL & LABELS FOR ALL SAFETY INFORMATION & INSTRUCTIONS.

⚠️ WARNING EXPLOSION HAZARD
This equipment **IS NOT** explosion proof. **DO NOT** install or operate in an explosive environment.

⚠️ WARNING RISK OF CHEMICAL EXPOSURE
Potential for burns, fire, explosion, personal injury, or property damage. To reduce risk of exposure, the use of proper personal protective equipment is mandatory.

⚠️ WARNING RISK OF FIRE HAZARD
DO NOT install or operate on any flammable surface.

⚠️ WARNING RISK OF CHEMICAL OVERDOSE
To reduce risk, follow proper installation methods and recommendations. Check your local codes for additional guidelines.

⚠️ CAUTION **DO NOT** run pump dry. Tube must be centered on rollers.

MATERIALS OF CONSTRUCTION

- All Housings** Polycarbonate
- Pump Tube** FKM (electric-powered pump)
- Pump Tube** FKM or Silicone (battery-powered pump)
- Suction/Discharge Tubing & Ferrules** Polyethylene, FDA approved
- Ceramic Weight with 1/4" clip** PVC, NSF listed with ceramic weight
- Tube and Injection Fittings** PVC or Polypropylene, NSF listed
- Connecting Nuts** PVC, NSF listed
- All Fasteners** Stainless steel

ACCESSORY CHECKLIST

- 3 Connecting nuts 1/4"
 - 3 Ferrules 1/4" or 6 mm Europe
 - 1 Ceramic weight with clip 1/4"
 - 1 Injection fitting 1/4"
 - 1 20' roll suction/discharge tubing
1/4" white or 6 mm white Europe
 - 1 Manual with addendum
- BATTERY-POWERED ONLY**
- 1 Mounting bracket
 - Batteries not included

ELECTRIC-POWERED

FLOW RATE OUTPUT

Item Number Prefix	Pump Tube	Tube Material	Roller Assembly	Pressure psi (bar)	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E20T1C3	C3	FKM	Black	5 (0.34)	9.1	0.38	48.7	0.81	34.6	1.44	1440.0	24.0
E20T2C3	C3	FKM	Black	5 (0.34)	17.1	0.71	91.2	1.52	64.7	2.70	2687.6	44.8
E20T3C3	C3	FKM	Black	5 (0.34)	23.20	0.97	123.7	2.06	87.8	3.66	3659.2	61.0
E20T4C3	C3	FKM	Black	5 (0.34)	35.76	1.49	190.7	3.18	135.4	5.64	5640.3	94.0

Approximate maximum outputs @ 50/60Hz

PARTS

Description	Part Number	UM
C3 FKM Pump Tube, ferrules 1/4"	EC3C3-2	2-PK
C3 FKM Pump Tube, ferrules 6 mm Europe	EC3C3CE-2	2-PK

ⓘ 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.

BATTERY-POWERED

SAFETY INFORMATION

- ⚠️ CAUTION** Install batteries adhering to the correct polarity.
- ⚠️ CAUTION** Always follow battery manufacturer's instructions.
- ⚠️ CAUTION** **DO NOT** mix old and new batteries.
- ⚠️ CAUTION** **DO NOT** mix alkaline, standard (carbon-zinc), or rechargeable batteries.

- ⚠️ CAUTION** Always remove weak or exhausted batteries.
- ⚠️ CAUTION** Remove batteries when pump is stored for a long period of time (several months).
- ⚠️ CAUTION** Never short circuit the battery holder or battery cell supply terminals.
- ⚠️ CAUTION** Use only batteries of the recommended voltage (1.2-1.5) and size.

FLOW RATE OUTPUT

Item Number Prefix	Pump Tube	Tube Material	Roller Assembly	Pressure psi (bar)	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E10T01C3	C3	FKM	Blue	5 (0.34)	24.7	1.0	132.0	2.2	94.0	3.9	3904.0	65.0
E20T01C3	C3	FKM	Blue	5 (0.34)	41.7	1.74	222.0	3.7	158.0	6.6	6577.0	110.0
E10T01C4	C4	Silicone	Blue	5 (0.34)	27.0	1.1	144.0	2.4	102.0	4.2	4259.0	71.0
E20T01C4	C4	Silicone	Blue	5 (0.34)	45.0	1.88	240.0	4.0	170.0	7.1	7098.0	118.0

Approximate output with fully charged batteries, new tube and zero foot suction lift

PARTS

Description	Part Number	UM
Blue Roller Assembly	EC352	EA
C3 FKM Pump Tube, ferrules 1/4"	EC3C3-2	2-PK
C3 FKM Pump Tube, ferrules 6 mm Europe	EC3C3CE-2	2-PK
C4 Silicone Pump Tube, ferrules 1/4"	EC3C4-2	2-PK
C4 Silicone Pump Tube, ferrules 6 mm Europe	EC3C4CE-2	2-PK

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Turn page for more information

BATTERY-POWERED continued

DESCRIPTION

This battery-powered pump operates and is programmed in the same manner as the Econ T, please reference the Econ T manual for detailed programming instructions.

The pump can be powered by (8) D-cell batteries (1.2V-1.5V) or (2) 6V lantern batteries (batteries not included).

It is recommended that only new, premium quality alkaline batteries be used to ensure proper pump performance and optimum battery life.

This battery-powered pump is intended for intermittent operation, typically for dosing one time per day for up to ten minutes.

When using new, premium quality D-cell batteries, the battery life will be approximately 90 days when running once per day for ten minutes at room temperature (75°F) and pumping a low viscosity solution to atmospheric pressure (0 psi).

NOTE: Many factors can affect battery life: the number of runs per day, the time per run, the quality of the batteries used, the temperature of the application, the viscosity of the fluid being pumped, etc.

For applications requiring many frequent runs and/or longer runs, it is recommended that the standard Econ T or Econ TD Electric-Powered pump be used to avoid high battery usage.

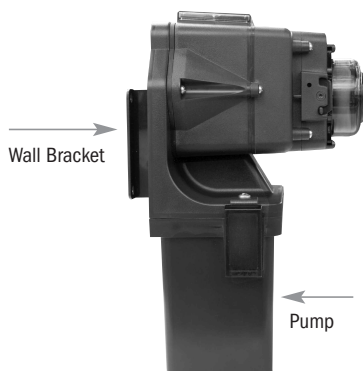
MOUNTING

The pump is water resistant (drip proof), but it should not be located in washdown areas.

It is recommended that the pump be wall mounted using the integral wall mounting bracket.

- Use the mounting bracket as a template to drill pilot holes in the mounting location.
- Secure the bracket with fasteners or wall anchors (not provided).
- Slide pump into bracket.

NOTE: Provide 8" of clearance above the pump to allow for installation and removal of pump.



CHANGING THE TUBE

CAUTION DO NOT use the tube or roller assembly from an Econ T in the Econ TD Battery-Powered pump.

CAUTION DO NOT use the tube or roller assembly from an Econ TD Battery-Powered pump in the Econ T.

- Follow the procedure as outlined in the Econ T manual.
- Note that this pump utilizes specific tubes, only tubes C3 or C4 and a blue roller assembly.

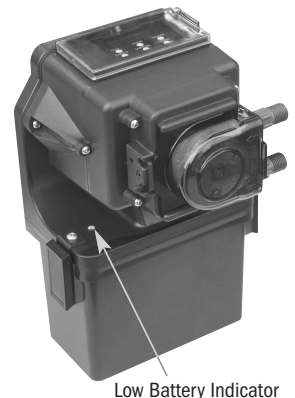
LOW BATTERY INDICATOR

The pump is equipped with a low battery indicator.

If the low battery indicator blinks **RED** while the pump is **NOT** running, then the batteries should be replaced immediately.

If the low battery indicator only blinks **RED** when the pump **IS** running (for example, when primed in MANUAL mode during servicing), then the pump has less than approximately four weeks of run time (at ten minutes per run, once per day).

NOTE: The amount of remaining run time in either case will vary per application depending on the number of runs per day, the time per run, the quality of the batteries used, the temperature of the application, the viscosity of the fluid being pumped, etc.



CHANGING THE BATTERIES

- Turn pump off (press the Manual button until the display indicates OFF).
- If wall mounted, remove pump assembly and move to a stable work surface.
- Open the latches on either side of the pump.
- Separate the pump from the battery box.
- If using lantern batteries:
 - Remove old lantern batteries and dispose of properly according to the battery manufacturer's instructions.
 - Clean inside of battery box if necessary.
 - Place two new lantern batteries in the battery box with the spring side up as shown.

NOTE: The lantern batteries do not have to be oriented in any specific way. As long as the springs are up, the batteries will connect correctly to the pump when it is reassembled.
- If using D-cell batteries:
 - Remove the battery holders from the battery box.
 - Remove old D-cell batteries and dispose of properly according to the battery manufacturer's instructions.
 - Clean the battery holders and the inside of the battery box if necessary.
 - Place (8) new D-cell batteries in the battery holders. Ensure that batteries are installed according to the polarity markings on the battery holder.
 - Place the two battery holders in the battery box with the spring side up as shown.

NOTE: The battery holders do not have to be oriented in any specific way. As long as the springs are up, the batteries will connect correctly to the pump when it is reassembled.
- Align the pump half with the battery box.
- Press the pump half down onto the battery box to compress the battery holder or lantern battery springs.
- Secure the latches on either side of the battery box.
- Re-mount pump and place pump into operation according to the Econ T manual.