



Pro Pump



INSTRUCTION MANUAL

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Introduction









The Pro Pump is a versatile dosing system for all of your drain dosing needs. With a durable IP65 rated case, the compact dispenser can be mounted in a variety of locations that is sure to suit your application needs. The Pro Pump is simple to program and easy to install. It is available in either Battery (two 6V lantern style; not included) or 110VAC plug in versions.

Troubleshooting

Problem	Solution
The pump will not draw chemical	<ul style="list-style-type: none">• Check the foot valve for debris.• Check the suction line for cracks or a break in vacuum.• Check to make sure there is ample chemical in the pail or drum.• Check the batteries or AC power.
The pump will not dispense chemical	<ul style="list-style-type: none">• Make sure the pump is powered.• Check the On/Off settings in the programming. If the pump is set to OFF first, the pump will not dispense for the period of time set.

Safety

READ CAREFULLY BEFORE INSTALLING:

-  Read this manual carefully before installing the Pro Pump System.
-  Use caution when using the installation and programming settings in this manual.
-  Pay attention to the instructions for programming the 110v unit versus the battery unit.
-  Always follow the necessary safety procedures, including the use of personal protection equipment for the eyes, face, hands and clothing.
-  Disconnect all electricity prior to doing the installation.
-  **THE DISPENSER SHOULD BE INSTALLED** approximately 5' above the chemical container.
-  Failure to abide by the instructions given in this manual may result in personal injury, property damage or damage to the equipment.
-  **CAUTION:** Do not mount the unit in the direct path of steam. This can short circuit and permanently damage the unit.

Technical Specifications:

- Power Supply: lantern battery (x2) 6VDC
- Consumption: 3.5W
- Flow Rate: 3.5 oz
- Max back pressure: 1.5 PSI
- IP65 water resistant enclosure for protection of the electronics and battery
- Dimensions: H 6.4" x W 7.8" x D 5.1"
- Weight: 2 lbs

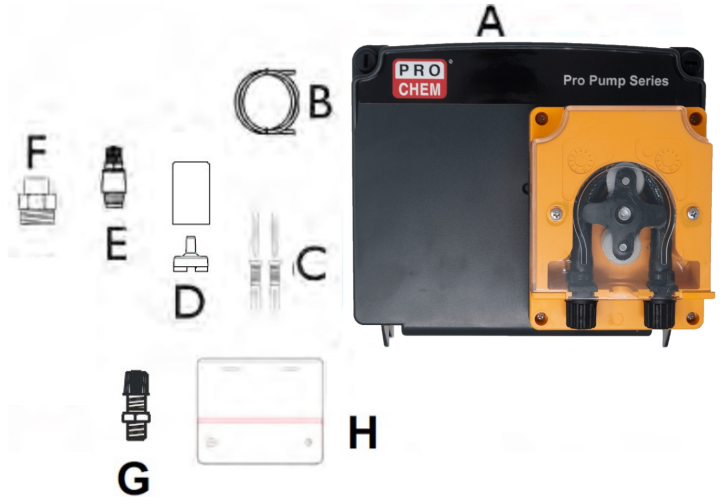
Package Contents

The **Pro Pump Battery** system is a state of the art product suitable for a variety of applications which require timed dosing. The dispenser is simple to install, easy to program and perfect for most kitchen and food service applications. This unit can be used with Enzyme based products.

Two 6-V Lantern style batteries (not included) are required to power the battery version of the dispenser.

Check your package contents:

- A. Pro Pump Battery system or Pro Pump 110VAC system (not shown)
- B. PVC ¼" OD (4 x 6 mm) tube 12 ft (4 m)
- C. Wall anchors + screws
- D. Ceramic weight + foot filter
- E. Viton non-return valve (3/8" GAS)
- F. Adapter for non-return valve
- G. Injection fitting
- H. Mounting bracket



Setting up the dispenser:

- Use the mounting brackets to mark the location you intend to use the dispenser
- Drill holes to secure the system to the wall
- Insert the anchors in the holes
- Screw the bracket in place (flat side against the wall with holes on bottom) with the hardware provided
- Mount the dispenser on the bracket.

Plumbing the dispenser:

- After installing the foot valve and ceramic weight, connect the tube to the inlet side of the squeeze tube.
- Drop the foot valve and weight into the chemical container.
- Connect the discharge tube to the output side of the squeeze tube and route the line to the appropriate location.

Battery Operation

Programming Instructions

TIP #1: To start, reset the timer by pressing the **C** button for two seconds.

TIP #2: Countdown and Random functions: Press C/R button to select either countdown or random mode.

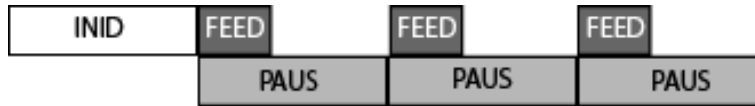
Countdown: Countdown to the next dose.

Random: To dose in random order.



Function	Solution
Setting current time	<ul style="list-style-type: none"> * Press and hold clock button. ⌚ * Then press D+ button to select current day of week as displayed on LCD * Press H+ and M+ buttons to select current Hour and Minute * Release the button and the current time will be displayed on the LCD.
Program ON time	<ul style="list-style-type: none"> * Press P button until 1 and ON display. Release button. * Then press D+ button to select day(s) of week for program 1 ON * Press H+ and M+ buttons to select Hour and Minute for Program 1 ON
Program OFF time	<ul style="list-style-type: none"> * Press P button until 1 and OFF display. Release button. * Then press D+ button to select day(s) of week for program 1 OFF * Press H+ and M+ buttons to select Hour and Minute for Program 1 ON * Repeat ON / OFF for dosages needed.
Once completed	<ul style="list-style-type: none"> * Press clock button and current time will display. Timer is operational. ⌚
Manual override:	<ul style="list-style-type: none"> * This button might be used to select mode, such as Auto, Timer, ON, OFF. Select Auto or Timer for timer functions or use manual as a simple override switch. Use manual override button to reverse current programming. Programming will resume at next set point.

110VAC Operation



Operation Mode

- * The pump runs a cyclic programmed dose in the time, after the initial delay. The pump cyclically doses in XXX seconds, every YY days, hours or minutes, after the initial delay of ZZ days, hours or minutes.
- * The pause (**PAUS**) is the cycle time between the start of one dose (**FEEd**) and the subsequent one. This means that you can change the dosing time without affecting the cycle time.
- * The initial delay (**Ini.d**) affects only the first dose, it is useful to define a start time of the dose at the time of programming.
 - * For example, if you install the unit at 6 PM and do not want the first dose until 12 AM, you should set your initial delay **Ini.d** for 6 hours.

Function	Solution
Programming	<ul style="list-style-type: none"> * To enter programming, hold down the left button for at least 5 seconds. * To scroll through the menu options, press the right button, and to make the changes, press the left button. * As a general programming rule, all flashing settings can be edited with the right button and the changes can be saved with the left button. * The menu items are: <ul style="list-style-type: none"> * FEEd- setting the dosing time (default 60 seconds) <ul style="list-style-type: none"> * F 060 – settable from 0 to 999 seconds. * PAUS – setting the pump cycle time (default 1 day) <ul style="list-style-type: none"> * Pd01 – settable in minutes (Pn01) from 1 to 59 minutes, or in hours (PH01) from 1 to 23, or in days (Pd01) from 1 to 30 days. * Ini.d– setting the initial delay (default 0 minutes) <ul style="list-style-type: none"> * 1n00 – settable in minutes (1n00) from 0 to 59 minutes, or in hours (1H01) from 1 to 23, or in days (1d01) from 1 to 30 days. * PASS– setting the password (default 000, no password) <ul style="list-style-type: none"> * P000 – settable from 0 to 999. * If a password is set, it will be required each time the menu is opened and before activating start mode. * ESC– exiting the menu and confirming the settings.
Start Mode	<ul style="list-style-type: none"> * To start the pump, press the right button for 3 seconds, the pump will run for 60 seconds. To stop, press the button again.
Standby Operation (switch position 0)	<ul style="list-style-type: none"> * In stand-by operation the display shows Sby, when the pump is waiting to be programmed (left button for at least 5 seconds) or * started (right button for at least 3 seconds).
Normal Running	<ul style="list-style-type: none"> * 1h05 – shows the time remaining before the first dose, as specified in Ini.d(in this case, there are 5 hours left). * F 060 -> F 059 -> F 058 ... F 000 – shows the dose countdown, as specified in FEEd. * P n01 – shows the time remaining before the next dose, as specified in PAUS. (in this case, there is 1 minute left).

Terms & Conditions

Company warrants its Goods to be free from material defects in material and workmanship for a period of one year except: i. when Goods have been modified following delivery and/or subject to improper handling, storage, installation, operation, or maintenance unless those modifications have been authorized in writing by Seller. ii. when an item is purchased by Company as a component part of the Goods, except to the extent to which such item or items are covered by the warranty, if any, of the original manufacturer. iii. when an item which is a component part of the product has been furnished by Buyer. iv. no warranty of a component part shall extend beyond the warranty period of the device in which such component part is incorporated. b. There is no implied warranty of merchantability or of fitness for particular purpose and there are no warranties of any nature except as set forth in paragraph 3 herein. Any claim by Buyer made pursuant to Company's warranty must be made in writing. Company shall have the right to inspect the Goods claimed to be defective and shall have the right to determine the cause of such alleged defect. All Goods replaced or repaired by Company under its warranty shall be replaced or repaired F.O.B. Company's facility. Buyer must notify Company, in writing, within fifteen (15) days from receipt of Goods of any obvious defect in the product, or shortages, or Company shall have no obligation to correct such defect. Company shall have the option of re-inspection at Buyer's plant or its own before allowing or disallowing Buyer's claim. Defects that do not impair service shall not be a cause for rejection or recovery under any warranty. Buyer assumes full responsibility for the use and application of the product. Buyer accepts Company's design and material selection and specifications in placing this order unless other specifications are agreed to in writing by both parties prior to the manufacture of Goods by Company. Statements and data relating to Products on Seller's literature and website are not intended to define the performance of the product in actual usage or in combination with other equipment or processes. These statements should not be used by Customer solely as an indication of performance or suitability for specific applications or uses.

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Components and spare parts such as O-rings, squeeze tubes, roller blocks and other plastic components are considered to be wear parts and are not warranted. Seller shall have no warranty or liability for product that was damaged during shipment, product that is not being used in its recommended use, product that is not operated in accordance with the operating manual and procedures, product that was not properly installed, product used in a manner that is inconsistent with its designed purpose, product that is subject to a power surge or similar event, products that fail due to usage of a non Pro Chem replacement or spare part or product that was not maintained in accordance with recommended maintenance programs.