

# State 24/7™ Drain Dosing Station - Quick Start Installation Guide

## Safety Notes

### IMPORTANT:

Please read the following precautions carefully before using this equipment.

-  This unit contains high voltage circuits that may expose you to the danger of electric shock.
-  Means for disconnection must be incorporated in accordance with the wiring rules.
-  **Do not** open the enclosure without isolating the signal and supply sources. Ensure that these sources have been isolated for at least 5 minutes before entering the enclosure.
-  **Do not** power the unit outside of the values stated on the rating label.
-  **Do not** use damaged or frayed cables.
-  **Do not** dismantle or modify this equipment.
-  **Never** insert fingers into mechanisms without turning the power supply off first.
-  **Do not** mount the unit to unstable, irregular or non-vertical surfaces.
-  **Do not** place heavy objects on top of the unit.
-  **Do not** attempt to place items (such as screwdrivers) into the moving parts of the pump head.
-  **Always** ensure that care is taken when handling chemicals.
-  **Do not** discard of the manual, this must be retained.

This unit must be installed by suitably qualified personnel in accordance with local regulations, or in the absence of local regulations, installed in accordance with the applicable requirements in the National Electrical Code, NFPA 70, Canadian Electrical Code (CEC), Part 1, CSA C22.1, and Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, NFPA 96.

This appliance can be used by children age from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

## Before Installation

Ensure you have checked all parts required are present and inspect for any damage before installation. In the unlikely event your items are faulty, **DO NOT** install faulty or damaged parts as this unsafe and will void any warranty. Please return to your distributor in the original delivery condition including any packaging. This unit is **ONLY** to be installed by a suitably qualified person complying with local regulations.

Peristaltic tubing  
3/16" Viton  
inc: Compression  
fit connectors  
× 1 Silicone Grease  
5ml (for peristaltic  
tubing)  
PN#128055

Ceramic weight  
PN#128056  
Foot filter  
PN#128059

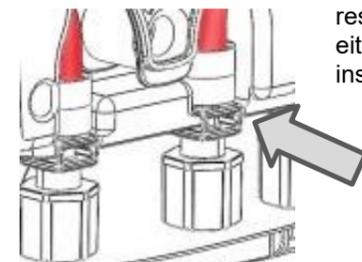
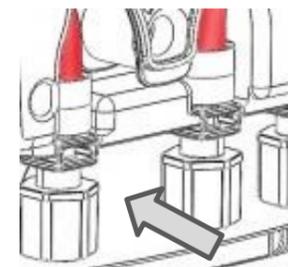
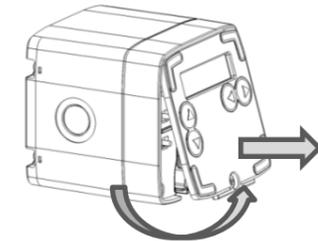
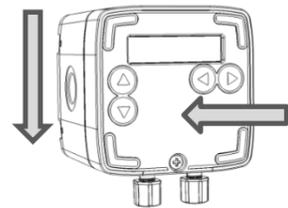
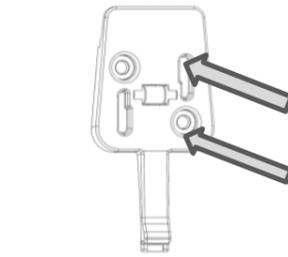
Pipe Injector  
× 1  
PN#128057

Polyethylene  
Tubing  
19.8 ft × 1  
PN#128058

Fixings Pack:  
Screws × 4 Wall  
plugs × 4



## Installation



## Mounting and connection

**Step 1:** Using the wall plugs and screws specified for this unit, fix the mounting bracket to the wall. There is an embedded spirit level to aid with this part of the installation.

**Step 2:** Mount the unit to the wall by hooking it onto the wall bracket. Press down firmly and you will hear a click sound when the unit is secure.

**Step 3:** Ensure there is no power to the unit, remove the front cover by turning removing the screw anti-clockwise and pulling the front cover towards you as shown.

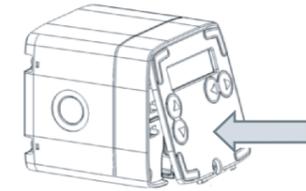
**Step 4:** Insert one end of the tube ensuring that it is slotted into the body of the enclosure as shown.

**IMPORTANT INFORMATION:** Silicone grease provided must be applied to the tube and the pump & rotor assembly before the tube is inserted. Failure to apply the grease will affect the pump performance during operation.

**Step 5:** Now by manually rotating the pump head, feed the tube into the unit as shown.

**Step 6:** Now insert the other end of the tube ensuring that it is slotted into the body of the enclosure as shown.

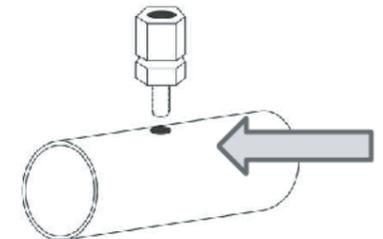
**IMPORTANT INFORMATION:** Brightwell Dispensers Ltd (manufacturer) accepts no responsibility and/or damages caused to either the product or premises if the installation process is not complied with in full.



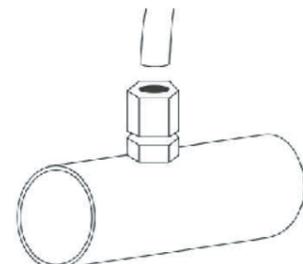
**Step 7:** Replace front cover and screw to close.

## Installing the Pipe Injector

**Step 1:** Drill a 3/8" hole in the top of your intended waste pipe.



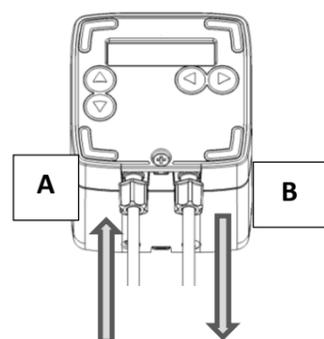
**Step 2:** For added security it is recommended to use State form-U-flex in-between the Pipe Injector and the drilled hole (as shown above). Slowly wind in the Pipe Injector until tight, it is not necessary to over tighten with tools as this may damage the threading on the injector.



**Step 3:** Now connect the delivery tubing to the Pipe Injector, turning the compression nut clockwise until hand tight.

**State Industrial Products**  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229  
[www.stateindustrial.com](http://www.stateindustrial.com)

## Connecting Chemicals



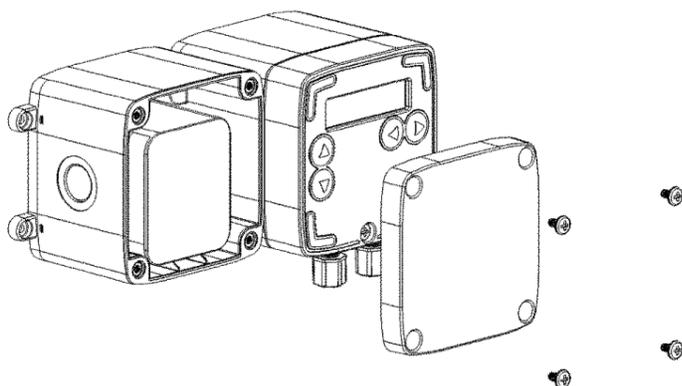
**Step 1:** Ensure there is no power to the unit, connect the suction tube, with ceramic weight and foot filter on the other end from chemical container to **(A)**. Now connect the delivery tube from **(B)** to the drain or injection point.

**Flowrate:** 100ml/min (3.38fl.oz/min)

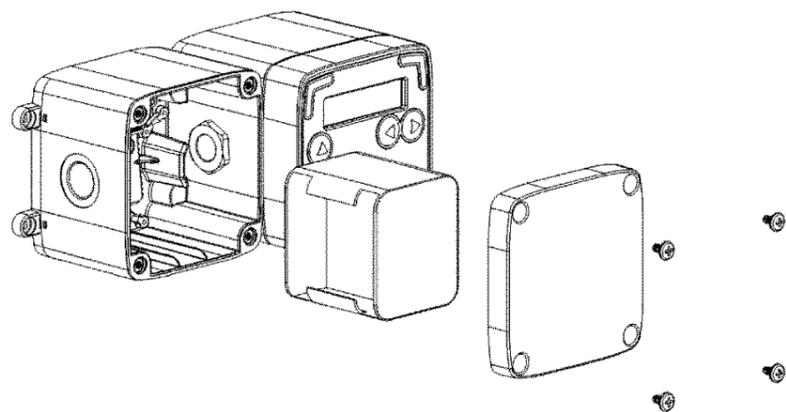
**Note:** Flowrate measured with water and a suction length of 2 metres.

## State 24/7 Battery

**Step 1:** Remove the 4 screws on the enclosure and remove the lid by pulling it towards you. Now remove the battery holder to gain access to the batteries. Note that the holder is attached to the main unit so only pull out far enough to gain access to the batteries.



**Step 2:** Replace the 4 D Cell batteries with a high quality alkaline batteries (State part # 124426) for optimum performance and longevity. Now replace the battery holder in its enclosure and re-secure the lid.



## Adjusting Date, Time and Password

**Step 1:** (a) Enter the menu system by holding down the right button. (b) Once in the menu press and hold the left button for 2 seconds.

a) 12:38:35 Wed  
^=Prime Menu=>

b) E:01 Y M-W-F-S  
T:12:30 D:03:30

**Step 2:** To set a unique 4 digit PIN to enable unwanted access set the PIN access to **Y**. Now confirm the pin entered with Y/N? (If 'N=No' is selected you will need to repeat steps 1&2). Press right to access the time and date settings. Adjust accordingly and press right to get back to the main menu.

Set PIN Access?  
PIN: 123\_

Confirm PIN: 1234  
Y/N Y

Set Day: Mon  
Set Time 14:46

**Step 3:** To set your language press the right arrow again to bring you to the language menu. To select the language of your preference press the up and down buttons, and then press the right arrow to confirm your selection.

Set Language:  
English?

## Programming Modes

**Step 1:** (a) Input your first dosing Event by choosing **Y=ON**, **N=OFF** using the up and down arrows (please note **N** will return you to the main menu). Entering the day MTWTSS notice that a dash (-) = no event programmed for that day i.e M-W-F-S means no program for Tues,-Thurs,Sat. Now set the time for dosing to commence and its duration i.e 01:30=1min 30secs and press the right button to confirm. The event is now stored (b). Press the right arrow again to repeat this process and store another event.

a) E:01 Y M-W-F-S  
T:02:30 D:01:30

b) Event 01  
Stored

**TIP:** You can check all your entered events by selecting the event number (this will begin to flash), you can now scroll and check through all events entered. Remember that the 'Y' or 'N' next to the event number indicates ON or OFF for each event.

E:01 Y M-W-F-S  
T:02:30 D:01:30

Event 01  
Stored

**Priming the pumps:** Hold down the up ^ arrow until the chemical reaches the injection point.

12:38:35 Wed  
^=Prime Menu=>

## Useful Information



The State 24/7 pump has a maximum run time of 3 minutes per event. The pump cannot be programmed to run longer than this per event.

## Warranty

Your product comes as standard with a 1 year warranty from the date of manufacture, against manufacturing fault or defects and mechanical or electrical breakdown.

