

# DOSEMate™

## INSTALLATION AND OPERATING INSTRUCTIONS

For the DOSEMate Feeder System.



Designed and manufactured in Australia

[www.profacture.com.au](http://www.profacture.com.au)

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## **Section 1: Safety instructions**

### **1.1 Read and follow all instructions**

Attention Installer: This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner and/or operator of this equipment.

**WARNING** - Before installing this product, read and follow all instructions which are included.

It is essential that the installer should be a person with sufficient experience in pool equipment installation and be approved to install the DOSEMate Controller, so that all the instructions in this manual can be followed exactly.

Failure to follow these instructions may result in property damage or maybe even personal injury. Improper installation and/or operation will void the warranty.

All electrical work must be performed by a licenced electrician and conform to all national, state, and local codes.

When installing and using the DOSEMate controller, basic safety precautions should always be followed.

### **1.2 WARRANTY**

This warranty is applicable to workmanship and materials only and is not transferable under any circumstance. This unit is designed for use in domestic swimming pools only. Keep your original purchase invoice and serial number in a safe place.

**The DOSEMate has been manufactured and tested to the highest standard and accordingly carries the following warranty.**

The DOSEMate Controller will be repaired at no charge for a period of **12 Months** from the date of purchase should it be found after examination that the failure has been caused by faulty workmanship or materials. This

is a back to base warranty. The rotor and squeeze tube is excluded from this warranty as they are a wear and tear component.

Adverse operating conditions beyond the control of the manufacturer such as improper voltage or water pressure, excessive ambient temperature or any condition that adversely affects the performance of the DOSEMate will render this warranty null and void.

A defective DOSEMate controller must be returned to the manufacturer or dealer as soon as the purchaser becomes aware of the defect and all transport costs will be covered for the first 12 months. Neither the manufacturer nor the dealer shall be held responsible for any goods damaged in transit.

If after examination the equipment is found to be defective it will be repaired or replaced free of charge. However, if upon inspection of the equipment it is found that the terms of this warranty are not satisfied, then the usual charges of the manufacturer for repair or replacement will be made including all transport costs.

Any liability of the manufacturer pursuant to the Trade Practices Act 1974, as amended for a breach of a condition or warranty shall be limited to replacing or acquiring the equipment (or part thereof) where the same has been supplied.

The maximum liability incurred by the manufacturer shall not in any case exceed the contract price for the equipment or the product parts or components thereof claimed to be defective. Further, the manufacturer shall not be liable for any loss, damage or delay directly or indirectly caused by any malfunction of or defect of or failure of the equipment other than as expressly provided in this warranty.

Profacture will not be held liable for damage caused by, but not limited to, corrosion, scaling or stress.

The following may void warranty:

- Installation is carried out incorrectly by any person other than a person authorised by us to do so.
- The DOSEMate controller is serviced by any person other than a person authorised by us to do so.
- The DOSEMate controller is not protected from the elements.
- The DOSEMate controller is not operated in a position/area with good ventilation.
- Water has been allowed to enter the DOSEMate controller or cable connections.
- Run in a commercial installation unless a commercial model is purchased.
- Insect infestation or penetration by dust, sand or other foreign particles inside the DOSEMate controller.
- Damage beyond our control.
- Equipment that has been misused, neglected, damaged, repaired without authorisation or altered in any way.

### 1.3 Warranty Claims

**When making a warranty claim, please note the following information is to be provided or claim may not be approved.**

- DOSEMate Controller Serial Number
- Details of the Dealer
- Installation Date
- Your Full Name
- Your Phone number
- Your Address Details
- Details of the Issue

We keep extensive production and sales records so this information will expedite the processing of your claim. All warranty support claims must be lodged online here - <https://www.profacture.com.au/warranty-support/>

### 1.4 Register Your Product

We recommend you register your DOSEMate controller on our website here - [www.profacture.com.au/registration](http://www.profacture.com.au/registration) within 30 days of installation along with an image of the installation.

PLEASE DO NOT operate the DOSEMate controller until you have carefully read and understood all the information in this user manual. Should you have any questions about the operation or installation please visit our FAQ page on our website or connect with our team at [support@profacture.com.au](mailto:support@profacture.com.au)

## Contents

Section 1: Safety instructions .....	2
1.1 Read and follow all instructions .....	2
1.2 Introduction to the DOSEMate Controller .....	2
1.3 Warranty.....	3
1.4 Warranty Claims.....	4
1.5 Register your DOSEMate controller.....	4
Section 2 – System Overview .....	6
2.1 – How it works .....	6
2.2 – What’s in the box .....	6
2.3 – Technical specifications .....	6
2.4 – Electrical specification .....	6
Section 3 – Installation.....	7
3.1 – Selecting suitable mounting location .....	7
3.2 – Installing Flow switch /injection point.....	7
3.3 Mounting DOSEMate to the Wall .....	8
3.4 – Installation & Connections.....	8
Section 4 – Functions & Screens .....	9
4.1- Main function .....	9
4.2 – Dose run function.....	10
4.3 – Manual dose function.....	11
4.4 – Date & time function.....	12
4.5 – Dose history function.....	13
4.6 –Tube maintenance function.....	14
4.7 – Technician setup function.....	15
Section 5 – Frequently asked Questions.....	16

## Section 2 – System Overview

### 2.1 – How it works

The DOSEMate is functional only when the flow switch is activated. You can disengage the flow switch at any time. Press the “OK” button to turn flow switch on/off.

### 2.2 – What’s in the box

Only use the equipment supplied by Profacture Pty Ltd. Use of non-genuine components may result in damage to the DOSEMate controller and void warranty

Description	QTY
DOSEMate Controller	1
Flow switch	1
Manifold – flow switch / injection point	1
Drum filter	1
Hose weight	1
Wall plugs (2 x screws / wall plugs)	1
Commercial grade tubing – 3m	1
Solution label / disc	1
User guide	1

### 2.3 – Technical Specifications

- Operating temperature: 0-60degC

### 2.4 – Power Supply specifications

DOSEMate Power Supply is a 240 Volt unit with an IP 24 Rating and needs to be plugged in to a weather proof power point. The unit has a resettable fuse at the bottom.

## Section 3 - Installation

### 3.1 – Selecting a suitable mounting location

The enclosure of the DOSEMate Controller is made from highly durable UV treated ASA plastic making it resistant to normal weather and UV conditions. The DOSEMate controller may be mounted either indoors or outdoors but out of direct sunlight.

It is recommended that the DOSEMate Controller be mounted under cover protecting it from harsh weather conditions. This will ensure a greater service life. Choose a location that best allows for the next three requirements.

Electrical requirements:

The DOSEmate Controller must be mounted within 1.5 m from the power supply.

### 3.2 Installing the flow switch/injection point manifold as per diagram.

The DOSEMate comes with a flow switch that will turn the DOSEMate on only when water flow is detected. This flow switch manifold incorporates the solution feeder injection point and must be installed after the salt water chlorinator cell housing which will be located after any filter and any heating system. Always ensure that the manifold is full of water when the system is off. Never install the manifold before the cell as this will result in damage to your pools sanitising system and void the warranty.

Glue the manifolds with PVC cement (Type P). The manifold is designed to take 50mm PVC pipe. Reducing bushes can be used for 40mm PVC pipe.

### 3.3 – Mounting the DOSEMate controller to the wall.

Masonry wall installation: 3. Using an 7mm masonry drill bit, drill the marked holes to the depth of the supplied wall plugs. –

#### **Option 1: 42mm hole centres**

Or

#### **Option 2: 82mm hole centres**

With a Philips head screwdriver, screw the 2 x supplied 316 stainless steel into the wall plugs.

Remove the DOSEMate controller from the box, line up the bracket to the 2 screws and hang the unit. Ensure the unit is secure.

## WARNING

Failure to install your DOSEmate controller correctly will void warranty.

## Recommended DOSEmate Preventative Maintenance

1. Grease Squeeze tube every 3 months with a silicone-based grease
2. Replace Squeeze tube every 12 months
3. Replace Rotor every 12 months
4. Replace feed line every 12 months

## 3.4 – Installation & Connections

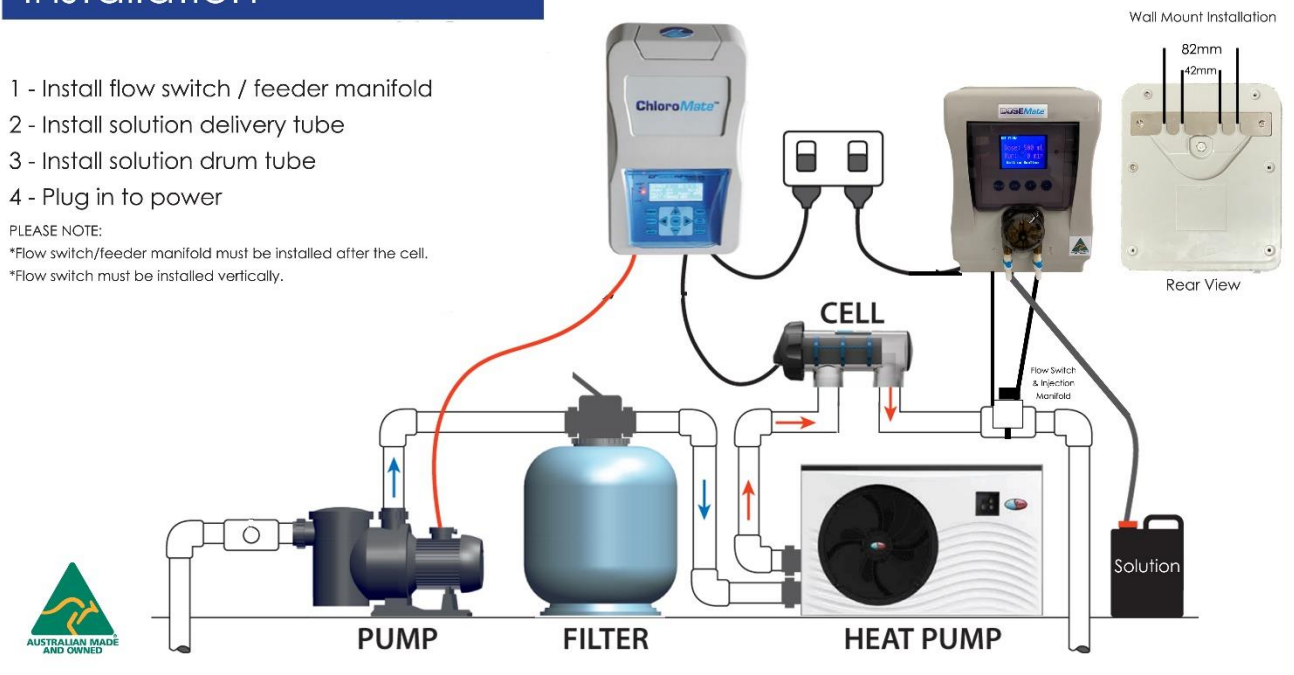
### Installation

- 1 - Install flow switch / feeder manifold
- 2 - Install solution delivery tube
- 3 - Install solution drum tube
- 4 - Plug in to power

PLEASE NOTE:

\*Flow switch/feeder manifold must be installed after the cell.

\*Flow switch must be installed vertically.



Next, connect the solution drum to the left hand nipple of the peristaltic pump.

1. Place container away from pool equipment in a well-ventilated area
2. Drill an 11mm hole into the lid of the acid container
3. Feed through the supplied clear feed tube through the hole on the lid then slide the ceramic hose weight and then push on the supplied filter basket to the end of the feed tube. Ensure the tube is pushed all the way on the tapered nipple and allow to drop to the bottom of tub.
4. Run the feed tube from the acid container to the input of the dose pump (left side) as per arrow.
5. Connect another length of feed tube onto the outlet of the dose pump (right side) and connect to the inlet of the check valve.

Once all is connected then move on to section 4 - setup of your DOSEmate system.



## SECTION 4 – DOSEMate Functions

### 4.1 Home Screen



### Functions

5. Displays water flow control.
6. Displays dose rate.
7. Displays run time.

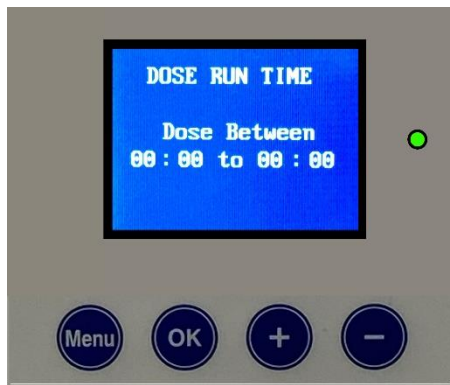
To adjust - Press "OK" button once to set dose rate. Press "MENU" to move to next screen function.

\*Run time is not adjustable from this home screen. To adjust go to 4.2 Dose Run Function and follow instructions.

**\*The flow switch control can be engaged /disengaged if needed by pressing the "OK" button.**

### NOTES:

## 4.2 Dose Run Function



### Functions

8. Displays the set DOSEMate run time operation.

To adjust - Press "OK" button to enter. Press "+" or "-" buttons to set time. Press "OK" button to next. Press "MENU" to move to next screen function.

NOTES:

### 4.3 Manual Dose Function



#### Functions

##### 9. Manual dosing function.

To adjust - Press “+” or “-” buttons to increase or decrease manual dose amount. Press “OK” button once to start manual dose. Press “OK” button again to stop manual dose. Press “MENU” to move to next screen function.

NOTES:

## 4.4 Date & Time Function



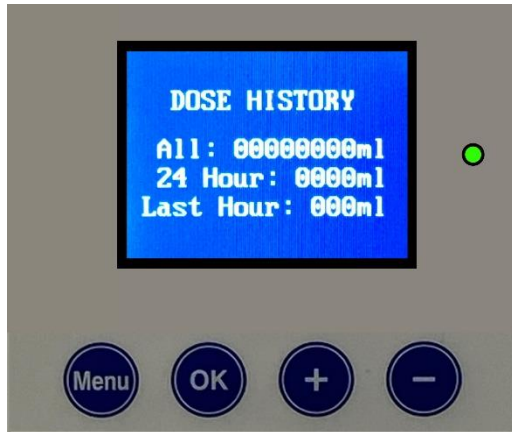
### Functions

- 10. Displays current time and date.
- 11. Displays DOSEmate serial number.

To adjust - Press "OK" button to enter. Press "+" or "-" buttons to change. Press "OK" button for next. Press "MENU" to move to next screen function.

NOTES:

## 4.5 Dose History Function



### Functions

12. Displays dosing history for the last hour and 24 hours of operations.

\*This is a display only function. Press "MENU" to move to next screen function.

NOTES:

## 4.6 Tube Maintenance Function



### Functions

13. Displays the DOSEMate tube maintenance status.

\*Service count is for service use only. Tube maintenance must be carried out every 3 months. Failure to perform tube maintenance will void warranty. Press "MENU" to move to next screen function.

NOTES:

## 4.7 Technician Setup Function



### Functions

#### 14. DOSEMate technician settings.

\*Only authorised pool technicians have access to this function. Press “MENU” to move to next screen function.

NOTES:

## **Section 5 – Frequently Asked Questions**

**Q. How do I grease the squeeze tubes?**

A. Refer to the video on [profacture.com.au](http://profacture.com.au)

**Q. Does the flow switch require maintenance?**

A. The flow switch does not require maintenance.

**Q. What type of solutions can we run with the system?**

A. The system is designed to run with Hydrochloric or Non Fume Acid. Liquid Chlorine can be used to.

**Q. Can the DOSEMate be calibrated?**

A. No

**Q. How often do I replace my squeeze tube and rotor?**

A. The wear and tear of these parts all depends on the quantity of liquids the DOSEMate doses. Under normal working conditions we recommend replacing both these components including the feed lines every 12 months. A message on the screen will be displayed.



