DOSATRON®

Because life is powered by water®

afaq QSE Qualité Sécurité Environnement

Download our DOSATRON app

App Store

Google play

MANUFACTURED BY

DOSATRON INTERNATIONAL S.A.S.

Certified QEH&S System

Rue Pascal - B.P. 6 - 33370 TRESSES (BORDEAUX) - FRANCE

Tel. 33 (0)5 57 97 11 11

Fax. 33 (0)5 57 97 11 29 / 33 (0)5 57 97 10 85

info@dosatron.com - www.dosatron.com

NTD25ALN-03-21

DOSATRON®

Because life is powered by water®

Owner's manual

D25ALN - ANIMAL HEALTH LINE

NOTES

English

This document does not form a contractual obligation on the part of DOSATRON INTERNATIONAL and is for information only. DOSATRON INTERNATIONAL reserves the right to alter its appliances at any time.

You have purchased a Dosatron "D25+" water-powered proportional dosing pump. This is part of the "Animal Health Line" range and is intended for use in the farming environment.

The creation and manufacture of this Dosatron dosing pump has received special attention. It is protected by 2 new systems for locking and connecting the patented dosing section.
In addition, it complies with food contact requirements EC No. 1935/2004 and EC No. 2023/2006.

Your Dosatron dosing pump is also SD Ready, which allows you to incorporate the SmartDosing system (Optional system for protecting, monitoring and recording all the treatments administered dosing pumpvia your Dosatron dosing pump).

This dosing pump product, just like all Dosatron dosing pumps, has undergone post-manufacturing testing. Please read this user's manual carefully to ensure correct operation from the start.

THEREFORE, PLEASE, READ THIS MANUAL CAREFULLY BEFORE PUTTING THE APPLIANCE INTO SERVICE

Important !
The complete reference and serial number of your DOSATRON is shown on the pump body. Please record these numbers in the space below and refer to them when contacting your retailer or asking for information.
In addition, it complies with food contact requirements EC No. 1935/2004 and EC No. 2023/2006.</599>

Ref. : .....

Serial No. : .....

Purchase Date : .....

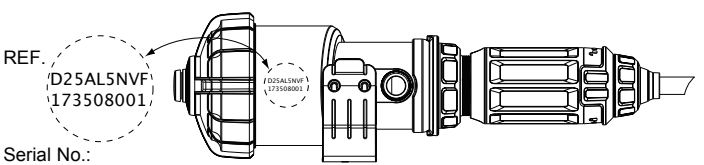
NOTES

Contents

Marking/Identification Characteristics

Your dosing pump has 2 main marking areas enabling it to be identified in detail:
A 2-line engraving on the section of the pump body (see picture below), containing the exact reference of the appliance and the serial number.

A technical label on each side of the pump body indicating the technical performances of the appliance.



CODIFICATION OF THE REFERENCE

REF.: ..... Serial #: .....

Example	D25	AL	5	N	VF
Dosatron Range					
Product line AL: Animal Health Line					
Dosing (% or ratio)					
Certification N: Food contact standards					
Dosing Seals VF: Acidic liquids (pH 0-9)					

The Animal Health Line dosing pumps with a reference containing the index "N" after the dosing indication are compliant with the regulation:

- EC No. 1935/2004 concerning materials and articles in contact with food;
- EC No. 2023/2006 concerning good manufacturing practices for materials and articles in contact with food.

CHARACTERISTICS

	D25AL2N	D25AL5N
Operating flow: **10 l/h min. 2.5 m³/h max.** [1/3 US Pint/min - 11 US GPM].		
Max. operating temperature: .....**40°C** [104° F]		
Operating pressure:		
bars PSI	**0.3 - 6** 4.3 - 85	
Adjustable dosing:		
% Ratio	**0.2 - 2** 1:500 - 1:50	**1 - 5** 1:100 - 1:20
Concentrated product injection flow:		
Min. l/h - Max. l/h US Fl. oz/min - Mini US GPM - Maxi	**0.02 - 50** 0.011 0.22	**0.1 - 125** 0.056 0.55
Connections (NPT/BSP male gas fittings) : .....**Ø 20x27 mm** [3/4"].		
Hydraulic motor capacity (every two clicks of the piston): approx. **0.45 l** [0.118 US Gallons]		

IMPORTANT! The DOSATRON is not pre-set, please refer to the chapter, ADJUSTING THE DOSING

DIMENSIONS

Diameter:	**cm** ["]	**14** [5"4/16]
Total height:	**cm** ["]	**45** [17"4/5]
Overall width:	**cm** ["]	**16** [6"5/16]
Weight: ± **kg** [lbs]		**+/- 1.36 Kg** [2.9 US lbs]

PARCEL COMPOSITION: 1 DOSATRON/1 DOSATRON dosing pump mounting bracket/1 suction hose for concentrate/1 strainer/1 quick start guide

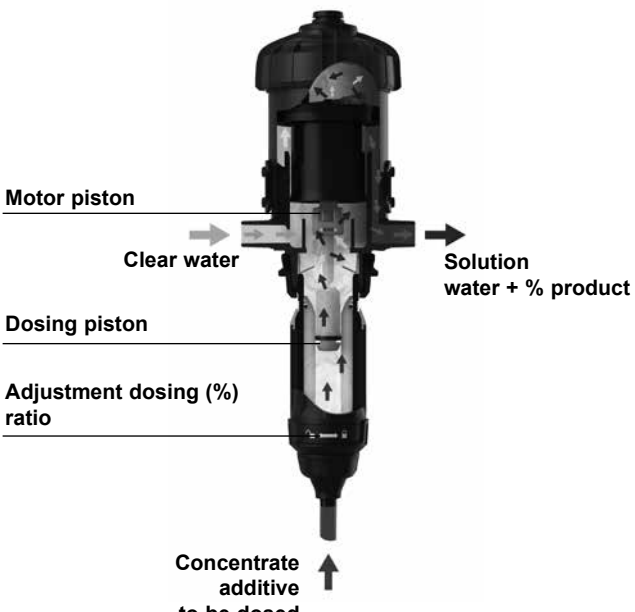
D25+ PACKAGING:
52x17.3x16.8 cm

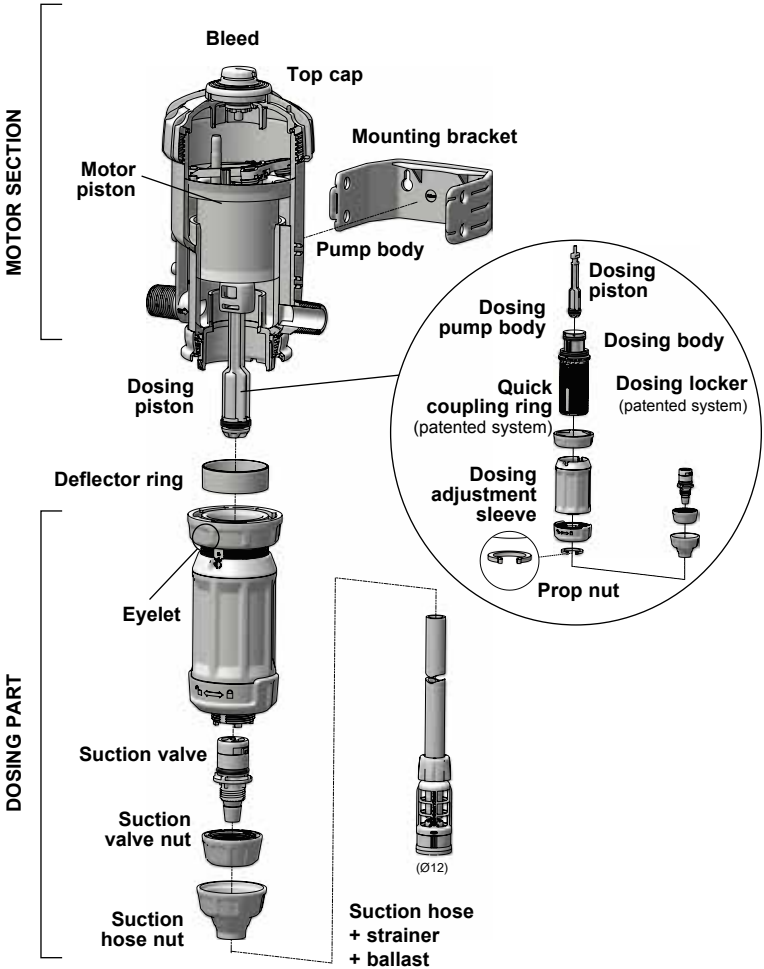
WEIGHT: approx. 2 kg [~4.4 US lbs]

Dosatron Technology

A unique technology associating all dosing functions

Installed on the water supply line, the Dosatron uses water pressure as the only power source. Thus activated, it takes up the required percentage dose of concentrate and then mixes it with the moving water. The solution produced is then propelled downstream. The dose of injected product is always proportional to the volume of water going through the Dosatron, regardless of variations in flow or pressure in the water supply line (high variations in flow and pressure driops as result of animal behaviour during drinking).




MOTOR SECTION
DOSING PART
Bleed
Top cap
Mounting bracket
Motor piston
Pump body
Dosing piston
Dosing pump body
Dosing body
Quick coupling ring
(patented system)
Dosing locker
(patented system)
Dosing adjustment sleeve
Prop nut
Dosing piston
Deflector ring
Eyelet
Suction valve
Suction valve nut
Suction hose nut
(Ø12)
Suction hose
+ strainer
+ ballast

Installation

PRECAUTIONS

1-GENERAL REMARKS

- When connecting a DOSATRON either to the public water supply line or to its own water source, you must respect the standards concerning protection and disconnection. DOSATRON recommends a disconnector to prevent contamination of the water supply.
- When connecting the DOSATRON to the water supply line, ensure that the water flows in the direction of the arrows shown on your appliance.
- In a case where upstream or downstream water circuits are higher than the Dosatron, there is a possible risk of water and concentrate flowing backwards. Installing a non-return valve downstream from the appliance is therefore recommended.
- Placing an anti-siphoning valve downstream of the dosing pump is recommended in installations where there is a risk of siphoning.
- Do not install the DOSATRON above a container of acid or aggressive product. Move the can away and protect it from possible chemical fumes with a cover.
- Store the DOSATRON away from excessive heat sources and in winter away from frost.
- Do not install the DOSATRON on the suction circuit of a water pump (risk of siphoning > consult Dosatron for this type of installation).
- It is the responsibility of the user to replace the dosing part seals annually to ensure accurate dosing.
- The adjustment of the Dosatron's dosing is the sole responsibility of the user. The user must strictly adhere to the recommendations from the manufacturer of the concentrated additives.

⚠ WARNING

When installing, operating, and maintaining the DOSATRON water-powered dosing pump, as a priority observe the safety instructions. Use suitable tools, protective clothing, and safety glasses when working on the equipment and install it with a view toward ensuring safe operation.

Follow the instructions in this manual BEFORE USING FOR THE FIRST TIME OR AFTER A PERIOD OF NON-USE. Let the DOSATRON operate for 30 CYCLES (motor + dosing part) with clear water. Do not drink the aforesaid water. Take additional safety measures appropriate to the liquid being pumped and the temperature of the water that powers the DOSATRON.

- Be extremely careful in the presence of hazardous substances (corrosives, toxic substances, solvents, acids, caustics, flammable substances, etc.).

PRECAUTIONS (cont.)

- For dosing these substances, please consult your distributor before use to confirm compatibility with the dosing pump.

⚠ IMPORTANT! The personnel in charge of the installation, use and maintenance of this equipment must have perfect knowledge of the content of this manual.
the content of this manual.
- Ensure that the water flow and pressure of the installation are compliant with the DOSATRON characteristics.
- Adjustment of the dosing must be made unpressurised.
-Turn off the water supply and allow the pressure to drop to zero.
- It is the soler responsibility of the user to select the DOSATRON adjustments to obtain the desired dosing
- An air tightness problem, an impurity or a chemical attack on the seal can interrupt the correct dosing operation. Periodic checking that the concentrate to be dosed is being correctely drawn into the DOSATRON is recommended.
- Change the DOSATRON suction hose as soon as it seems damaged by the concentrate being dosed
- Release the pressure after use (advised).
- Rinsing of the DOSATRON is essential:
. whenever the product is changed
. before handling the DOSATRON, to avoid any contact with aggressive products.
- All assembly and tightening should be done manually without tools.

2-WATER WITH HIGH PARTICLE CONTENT
A filter sieve must be installed upstream of the DOSATRON when water has a high particle content (e.g. 300 mesh - 60 microns depending on your water quality) If this filter is not installed, abrasive particles will cause the DOSATRON to wear prematurely.

3 - WATER-HAMMER/OVERFLOW
- For installations subject to water hammer, a water hammer protection device must be fitted (pressure/flow control system).
- For automated installations, it is preferable to use slow opening and slow closing solenoid valves.
- In the case where a DOSATRON serves several sectors, activate the solenoid valves simultaneously (closure of one sector and opening of another sector at the same time).

4 - INSTALLATION LOCATION

- The DOSATRON and the product to be dosed should be accessible.
- Their installation must under no circumstances present a pollution or contamination risk.
- It is recommended that all water pipes are marked showing that the water contains additives and with the wording: “IMPORTANT! Nonpotable water”.

5-MAINTENANCE

- After use, the aspiration of clear water is recommended.
- Annual maintenance will optimise the life of your DOSATRON. Annually replace the dosing part seals and the product suction hose.

6-SERVICE

- This DOSATRON was tested prior to packaging.
- Repair sub-assemblies and sachets of sealss are available.
- Do not hesitate to call your distributor or DOSATRON for any after-sales services.

INSTALLATION OF THE DOSATRON

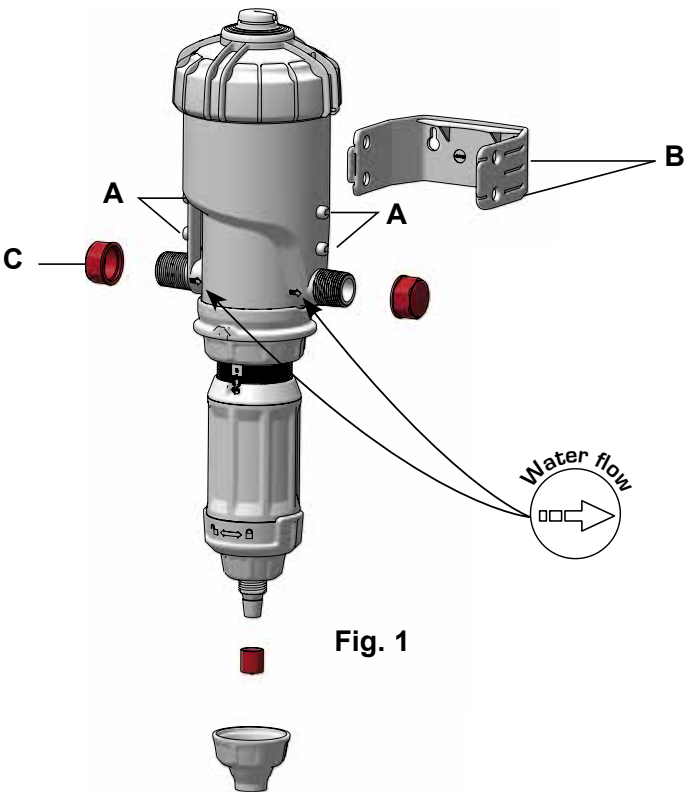


Fig. 1

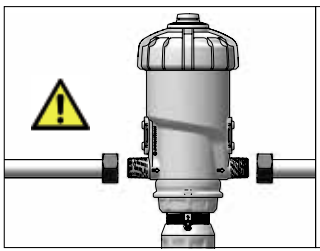
THE INSTALLATION ASSEMBLY SHOULD BE CARRIED OUT WITHOUT TOOLS

The DOSATRON is delivered with :
- a mounting bracket,
- a suction hose with a strainer.

The bracket enables the DOSATRON to be mounted on a wall.
Place the DOSATRON in the bracket by spreading its arms slightly to click in the 4 pins of the pump body **(Fig. 1-A)** fitting the two pins on one side of the body **(Fig. 1-A)** into the corresponding holes in the bracket **(Fig. 1-B).**

Remove the plastic caps, **(Fig. 1-C)** which block the openings in your DOSATRON, before connecting to the water supply line.

RECOMMENDATIONS



Torque 20 N.m
i.e. 2 kg.m
(reminder: 1 N.m = 0.1 DaN.m)

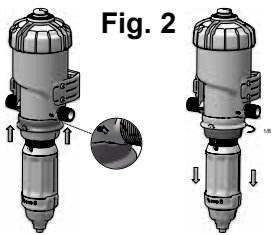
The DOSATRON can be connected to the water supply line by means of 20 mm interior diameter flexible pipes fixed with swivel fittings Ø 20 x 27 mm [3/4"]. Make certain that the water flows in the direction of the arrows (water flow) on the appliance.

Whenever possible, install the Dosatron high enough for easy reading and adjusting of the dosing on the graduated scale in % or ratio.

CHANGING THE DOSING SCALE

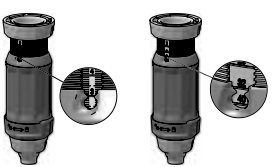
The DOSATRON dosing rate can be adjusted according to two scales: percentages and ratios. These scales are positioned on either side of the dosing part. Depending on the water circulation direction in the hydraulic installation, and on the direction in which the dosing pump is mounted on its bracket, it may be necessary to change the orientation of this scale.

Fig. 2



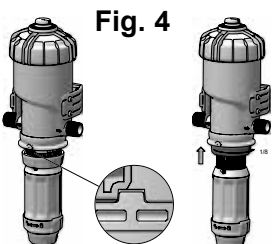
- Lift the quick coupling ring (patented system) and unlock the dosing part by unscrewing the ring as far as the mechanical stop (approx. 1/8th of a turn) **(Fig. 2).**
- Pull downwards and rotate a halfturn to release the dosing part to see the correct dosing adjustment scale.
- Insert the dosing body into the pump body taking care to align the aligning pins.

Fig. 3



- If needed, to see the pins better, unscrew the dosing adjustment sleeve so as far as the middle of its travel. **(Fig.3).**

Fig. 4



- Push the quick coupling ring towards the pump body and lock in place by tightening the ring until it clicks (approx. 1/8th of a turn) **(Fig.4)**

CONNECTING THE SUCTION HOSE

Model 1 to 5%

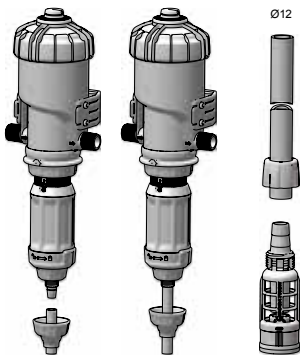


Fig. 5a **Fig. 6a** **Fig. 7a**

The DOSATRON is delivered with a suction hose (cut it to the required length). This hose must be fitted with the strainer and ballast. NOTE: The maximum suction height is 4 metres (13 feet).

- Unscrew the hose nut **(Fig. 5a and 5b)** at the bottom of the dosing part and fit it over the hose.
- Push the hose into the barbed fitting as far as it will go and screw the nut by hand **(Fig. 6a and 6b).**
- Assemble the strainer on the other end of the hose **(Fig. 7a and 7b)** using the same method.
- Immerse the strainer into the solution to be dosed.

Model 0.2 to 2%

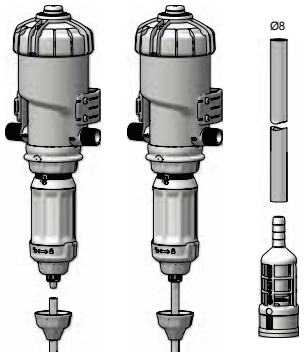


Fig. 5b **Fig. 6b** **Fig. 7b**

INSTALLATION OF THE DOSATRON

IMPORTANT! Under no circumstance should the solution level be above the water inlet of the DOSATRON (to avoid siphoning) (Fig. 8).

◀ WHAT YOU SHOULD DO

WHAT YOU MUST NOT DO ▼

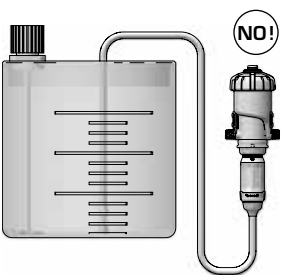
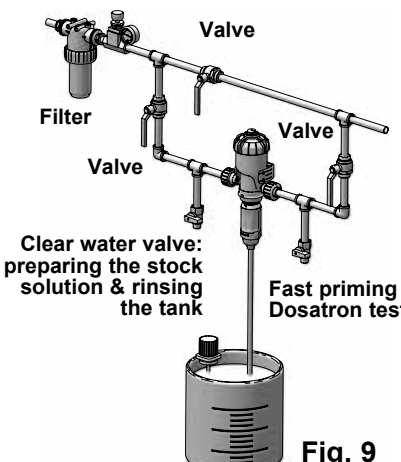


Fig. 8

INSTALLATION TIPS

The DOSATRON must be assembled in by-pass as shown belown **(Fig. 9).** For installations using header tanks, be sure to have the minimum water pressure available for correct operation of the Dosatron (the lowest water level height in relation to the drinking troughs).

If your flow is above DOSATRON limits, see the § OVERFLOW.
To prolong the working life of the DOSATRON, it is advisable to install a filter (e,g, 300 mesh - 60 microns depending on your water quality) upstream of the DOSATRON. This is imperative if the water contains impurities or particles, especially if the water comes from a well or it is surface water.
A filter is required for the warranty to be valid.
Installing the DOSATRON on a by-pass enables clear water to be supplied to the installation without operating the DOSATRON and enables it to be easily dismantled.



For any installation on the drinking water supply line, respect the standards and regulations in force in the country.

Fig. 9

OVERFLOW (as an indication)
If your DOSATRON clacks more than **40 times, in 15 seconds,** (i.e. 20 motor cycles) you are at the upper water flow capacity limit. Beyond this select a DOSATRON with a higher water flow capacity.

Putting the Dosatron into service

PUTTING INTO SERVICE FOR THE FIRST TIME

- Partially open the water inlet.
- Press the bleed button on the top cap **(Fig.10).**
- When a constant flow of water is seen coming from around the bleed button (no more “spitting” of air), release the button.
- Slowly open the Dosatron By-pass valves and close the main valve
- Slowly open the fast priming valve situated downstream of the Dosatron **(Fig. 9 Page 22)**
- Operate the DOSATRON until the product to be dosed rises in the dosing part (the product is visible through the plastic hose), then close the fast priming valve.
- The DOSATRON makes a characteristic “click-clack” noise when working.

Fig. 10

NOTE : the time required for priming the dosed solution depends on the water flow, the dosing adjustment and the length of the suction hose for the product.

USE

The device is designed to operate with fluids the temperature of which must not exceed 40°C or 104°F (engine fluid, additive, mixture engine fluid/ additive). In the event of installation subject to operating at temperatures less than 5°C (41°F), protect the installation from frost (see precautions instructions). The dosing pumps are designed for use at up to 6 bars. The installation must be protected against any overpressure risk. The installation must also be sized to avoid any hydraulic oscillatory phenomenon (water hammer). If necessary, a water hammer protection device should be fitted.

ADJUSTING THE DOSING (unpressurised)

IMPORTANT! Do not use tools.
Dosing adjustment must be made unpressurised.
- Turn off the water inlet and allow the pressure to drop to zero.
- Loosen the dosing locker (patented system) by a quarter turn **(Fig. 11).**
- Screw or unscrew the dosing adjustment sleeve in order to line up the 2 eyelet points with the desired dosing marker **(Fig. 12).**
- Retighten the dosing locker **(Fig. 13).**

Fig. 11

Fig. 12

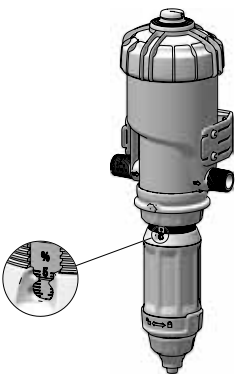
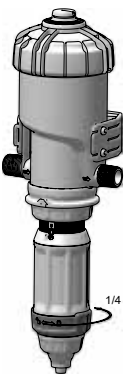


Fig. 13



DOSING PRINCIPLE

Adjustment at 1% - 1/100 = 1
Product volume + 100 volumes of water.

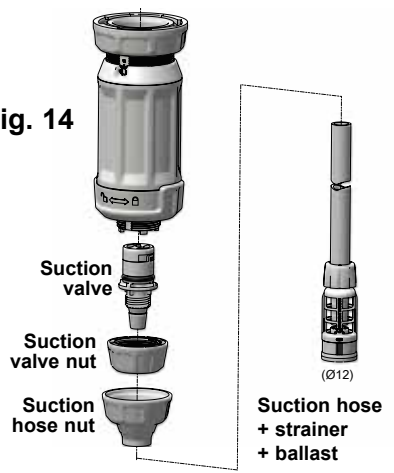
Maintenance

RECOMMENDATIONS

1 - When using soluble products put into stock solutions, contact manufacturers/distributors to verify the real solubility level of oral powders. It is preferable to use a Dosatron with a high dosing rate (4 - 5%) to guarantee a sufficient pre-dilution rate for powders. After use, always rinse the dosing pump by injecting clear water. Open the rinsing/ fast priming valve situated downstream of the Dosatron for a high-flow energetic rinsing/ cleaning. We recommend periodic dismantling and rinsing of the suction valve found in the bottom of the dosing part to prevent possible leaks and backflow into the tank due to clogging in the valve **(Fig. 14).**

2 - Please read the § PRECAUTIONS before performing any maintenance on the DOSATRON. Before putting the DOSATRON into operation after a long non-use period, remove the motor piston and soak it in lukewarm water at < 40°C (104° F) for a few hours. This helps to remove any deposits which may have dried onto the motor piston.

Fig. 14



DISMANTLING THE SUCTION HOSE

Before performing any maintenance on the DOSATRON, please make sure you refer to the § PRECAUTIONS.
Before dismantling, and to avoid any contact with the products dosed, operate the DOSATRON by aspirating clear water to rinse the dosing pump, the hose and the dosing part.
- Unscrew the nut at the bottom of the dosing part **(Fig. 15)**
- Pull downwards to remove the hose from the suction valve head **(Fig. 16).**
- Reassemble in the reverse order. If needed, please read the § CONNECTING THE SUCTION HOSE.

IMPORTANT: connecting the hose incorrectly or a hose damaged by the additives dosed may cause an air tightness problem with the suction which may lead to unpriming or under-dosing

Fig. 15

Fig. 16

DISMANTLING/REFITTING THE DOSING PART

Before performing any maintenance on the DOSATRON, it is essential to refer to the § PRECAUTIONS. Before dismantling, and to avoid any contact with the products dosed, operate the DOSATRON by aspirating clear water to rinse the dosing pump.

Fig. 17

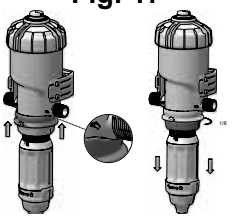
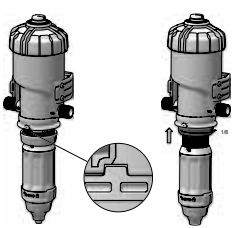


Fig. 18 **Fig. 19**



- Turn off the water supply and let the pressure drop to zero.
- Remove the suction hose (see § DISMANTLING THE SUCTION HOSE)
- Lift the quick coupling ring (patented system) and unlock the dosing part by unscrewing the ring up to the mechanical stop (approx. 1/8th of a turn) **(Fig.17)**
- Pull downwards to remove the dosing part.
- Before refitting, position the dosing part according to the desired scale (percentage or ratio).
- Insert the dosing body into the pump body taking care to align the aligning pins correctly **(Fig. 18)**. If needed, to see the pins properly, unscrew the dosing adjustment sleeve to reach as far as the middle of its travel.
- Push the quick coupling ring up towards the pump body and lock in place by tightening the ring until it clicks (approx. 1/8th of a turn) **(Fig. 19)**

DRAINING THE DOSATRON

For complete maintenance of the DOSATRON, or to protect it from frost, draining may be necessary.

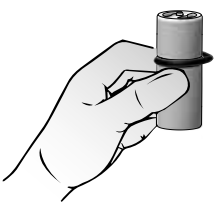
- Close the water inlet and reduce the pressure to zero by opening the fast priming valve situated downstream of the Dosatron.
- Remove the dosing part (§ DISMANTLING/REFITTING THE DOSING PART).
- Remove the top cap and the motor.
- Disconnect the connectors at the DOSATRON inlet and outlet.
- Empty the pump body after having removed it from the mounting bracket.
- Refit, having first cleaned the motor top cap seal.

CHANGING THE DOSING PART SEALS

Frequency: At least, once per year.
Contact DOSATRON, or one of its distributors, for seal kits adapted to your dosing pump.
For dismantling the dosing part, follow the instructions in the § DISMANTLING/ REFITTING THE DOSING PART.

IMPORTANT! Do not use tools or metal utensils.

Fig. 20a



Replacing dosing piston seal **(Fig. 20a)**:
- Between finger and thumb, pinch the component and the seal; push towards the other side to distort the seal. (Use a dry cloth to prevent the seal from slipping between your fingers)
- Increase the distortion to grip the part of the seal which overlaps and then pull it out of its groove.
- Clean the seal groove without any tools. (use water and a cloth)
- Refitting is done by hand. It is very important that the seal is not twisted once in place as this would impair its watertightness.

Fig. 20b

Change the O-ring of the dosing body:
-Use the method explained below.

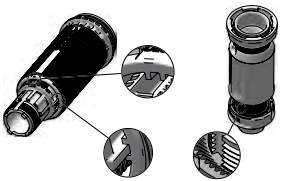
Change the suction valve **(Fig. 20b)**:
- Unscrew the suction valve retaining ring
- Remove the suction valve by pulling it in the axis of the dosing part.

Fig. 21

Change the O-ring of the dosing pump body:
- Release the retaining ring by pulling the ears apart **(Fig. 21)**.
- Extract the dosing locker by sliding it towards the bottom of the dosing pump body.
- Free the dosing pump body by pushing it through the dosing body **(Fig. 21)**

- Change the dosing pump body O-ring following the same procedure described above.

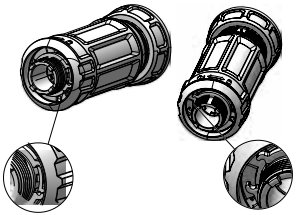
Fig. 22 **Fig. 23**



- Refit the dosing pump body using the aligning pins **(Fig. 22)**

- Refit the dosing locker along the dosing pump body taking care to align the aligning pins **(Fig. 23)**

Fig. 24 **Fig. 25**



- Refit the retaining ring so that it sits properly in its groove. **(Fig. 24)**

- Finish by refitting the suction valve and its nut. **(Fig. 25)**

DISMANTLING/REFITTING THE DOSING PISTON

Model 1 to 5%

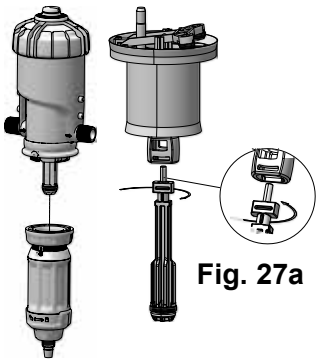


Fig. 27a

Fig. 26a

Before performing any maintenance on the DOSATRON, it is essential to refer to the § PRECAUTIONS. Before dismantling the DOSATRON, and to avoid any contact with the dosed products, operate the DOSATRON by aspirating clear water to rinse the dosing pump.

- Close the water inlet and reduce the pressure to zero by opening the fast priming valve situated downstream of the Dosatron.
- Dismantle the dosing part, following the instructions in the § DISMANTLING/ REFITTING THE DOSING PART. **(Fig. 26a and 26b)**
- Turn the dosing piston through a quarter turn anti-clockwise to unlock it and release it from the motor piston. **(Fig. 27a and 27b)**
- Refit in the reverse order.

Model 0.2 to 2%

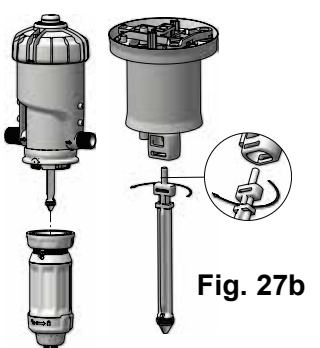


Fig. 27b

Fig. 26b

CLEANING AND REFITTING THE SUCTION VALVE

Before any maintenance on the DOSATRON, it is essential to refer to the § PRECAUTIONS. Before dismantling, and to avoid any contact with the dosed products, operate the DOSATRON by aspirating clear water to rinse the dosing pump.

- Close the water inlet and reduce the pressure to zero by opening the fast priming valve situated downstream of the Dosatron.
- Remove the suction hose (see § DISMANTLING THE SUCTION HOSE)
- Unscrew the suction valve nut **(Fig. 28)**.
- Release the suction valve by pulling it downwards in the axis of the dosing part
- Thoroughly rinse the various parts of the valve using clear water.
- As indicated in the diagram **(Fig. 29).**
- Refit the assembly in the reverse order. Be careful that the valve seal is refitted in the right direction.

Fig. 28

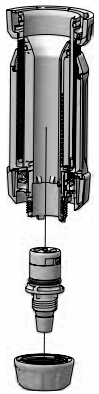


Fig. 29

CHANGING THE MOTOR PISTON (unpressurised)

Before any maintenance on the DOSATRON, it is essential to refer to the § PRECAUTIONS. Before dismantling, and to avoid any contact with the products dosed, operate the DOSATRON by aspirating clear water to rinse the dosing pump.

- Close the water inlet and reduce the pressure to zero by opening the fast priming valve situated downstream of the Dosatron.
- Unscrew the top cap manually **(Fig. 30)** and remove it.
- Remove the motor piston **(Fig. 31)** by pulling upwards.
- The dosing piston follows the motor piston upwards.
- Change and refit the assembly in the reverse order.
- Refit the top cap taking care not to damage its seal and screw it on manually.

Fig. 30

Fig. 31

Troubleshooting

SYMPTOM	CAUSE	SOLUTION
Motor piston		
DOSATRON does not start or stops	Check your water inlet (no water consumption by the animals, supply failure, clogged filter, Dosatron By-pass valves improperly positioned, etc.)	Open the rinsing/fast priming valve situated downstream of the Dosatron to test the water supply and the operation of the dosing pump.
	Very low flow/pressure.	Check that your installation has a sufficient minimum pressure. **Important:** when the water flow is very low, the Dosatron motor may require several minutes to complete a full cycle. (characteristic clack of the motor)
	Motor piston blocked.	Bleed the dosing pump by opening the clear water and fast priming valves situated downstream and upstream of the Dosatron and then dismantle the top cap in order to access the motor piston. Test the motor piston by hand. Action the valve mechanism by pressing the vertical pushbutton until you hear the click of the valves being switched on.
	Presence of air in the DOSATRON.	Bleed the air using the bleed found on the top cap > useful under extremely low water flow and pressure conditions.
	Overflow.	1. If overflows are frequent, consider a Dosatron with a higher capacity. 2. Check that the motor piston seals are present.
	Motor piston is broken.	Return the DOSATRON to your distributor.

SYMPTOM	CAUSE	SOLUTION
Dosing		
Water flowing back into the product tank.	Suction valve or valve seal dirty, worn, absent or wrongly fitted.	To be cleaned or replaced.
No suction of product.	The motor piston has stopped working.	See **Troubleshooting Motor piston.**
	Air tightness problem in the suction hose.	Check the suction hose and the tightening of its nuts. Change the suction hose when it becomes too supple or rigid depending on the additives dosed. This can interfere with the watertightness of the connector on the Dosatron.
	Suction hose obstructed or strainer blocked.	Clean it or replace it.
	Suction valve seal worn, wrongly fitted or clogged.	Clean it or replace it.
	Dosing piston seal wrongly fitted, clogged or swollen.	Clean it or replace it.
	Dosing pump body scratched.	Replace it.
Leaks		
Leaks close to the quick coupling ring under the pump body.	Dosing body seal damaged, wrongly positioned or absent.	Position it correctly or replace it.
Leaks between the dosing adjustment sleeve and the dosing locker.	Dosing pump body seal damaged, wrongly positioned, absent or dosing pump body grooves scratched.	Position it correctly or replace it.
Leaks between the body housing and the top cap.	Top cap seal damaged, wrongly assembled or absent.	Position it correctly, clean seal groove or replace it.

DOSATRON INTERNATIONAL DECLINES ALL RESPONSIBILITY IN THE EVENT OF USE THAT IS NOT COMPLIANT WITH THE INSTRUCTIONS FOR USE.

Limited Warranty

DOSATRON INTERNATIONAL S.A.S. agrees to replace any part recognised to be defective originally for a period of twelve months from the date of purchase by the initial purchaser.

To obtain the replacement under the warranty, the appliance or spare part must be returned with proof of initial purchase to the manufacturer or authorized distributor. It may be recognised as defective after examination by the technical services of the manufacturer or distributor.

The appliance must be rinsed to remove any chemicals and sent to the manufacturer or to the distributor with postage paid, then it will be returned free of charge after repair if it is covered by the warranty.

The purpose of operations carried out under the warranty may not be to extend the lifetime.

This warranty applies only to manufacturing defects.

This warranty does not cover defects found to be due to abnormal installation of the appliance, inappropriate use of tools, lack of maintenance or defective installation or environmental accidents or corrosion by foreign bodies and liquids found within or in proximity to the appliance.
For the dosing of aggressive products, please consult your vendor before any use to confirm compatibility with the dosing pump.

The seals (wearing parts) are not covered under warranty, nor is damage caused by water impurities such as sand, minerals and any other abrasive particles.

A filter (e.g. 300 mesh - 60 microns depending on your water quality) must be installed before the appliance.

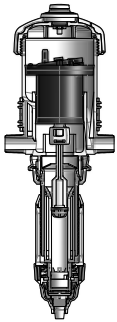
DOSATRON INTERNATIONAL S.A.S. declines any responsibility if the appliance is not used in compliance with the recommendations and tolerances in the owner's manual.

There is no explicit or implicit guarantee relating to other products or accessories used with DOSATRON INTERNATIONAL S.A.S appliances.

KNOW YOUR FLOW

A SIMPLE METHOD

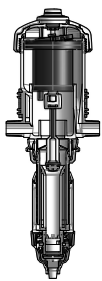
THE DOSATRON IS COMPOSED OF:



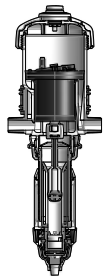
A volumetric piston hydraulic motor driving:

a dosingpiston

In its backwards and forwards movement, the motor piston **clacks:**



Once in the top position



Once in the bottom position

2 clacks =
1 motor cycle =
1 motor capacity

The speed of the motor is proportional to the flow of water passing through the appliance.

■ **Calculation of water flow in l/h =**

calculation for 1 minute — *motor capacity in litres*

Number of clacks in 15 seconds = x (4) x (60) x (0.45)

2 clacs = 1 cycle — (2)

calculation for 1 hour

■ **Calculation of water flow in GPM =**

calculation for 1 minute — *conversion litres to gallons*

Number of clacks 15 seconds = x (4) x (0.45) x (3.8)

2 clacks = 1 cycle — (2)

motor capacity in litres

NOTE : This method of calculation cannot replace a flow meter. It is given only as an approximate guide.

NOTES

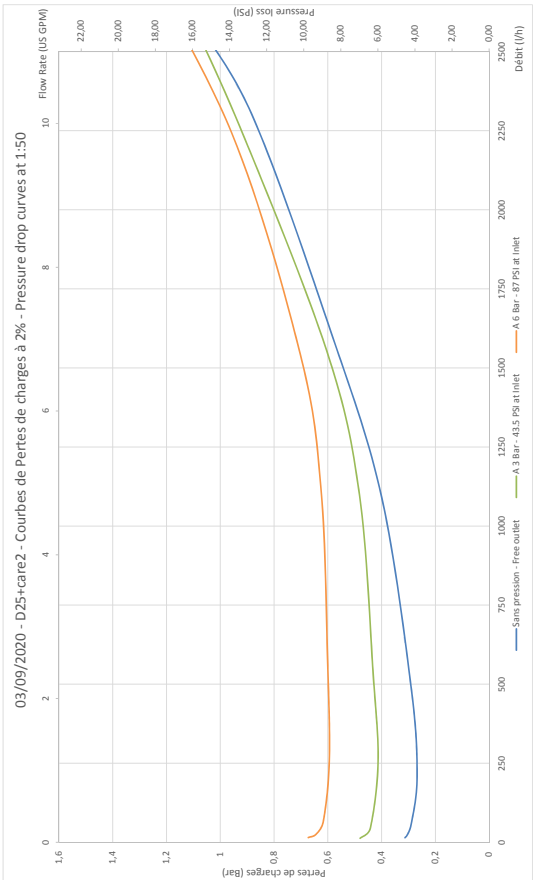
Enclosure

0
2
8
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
500
2000

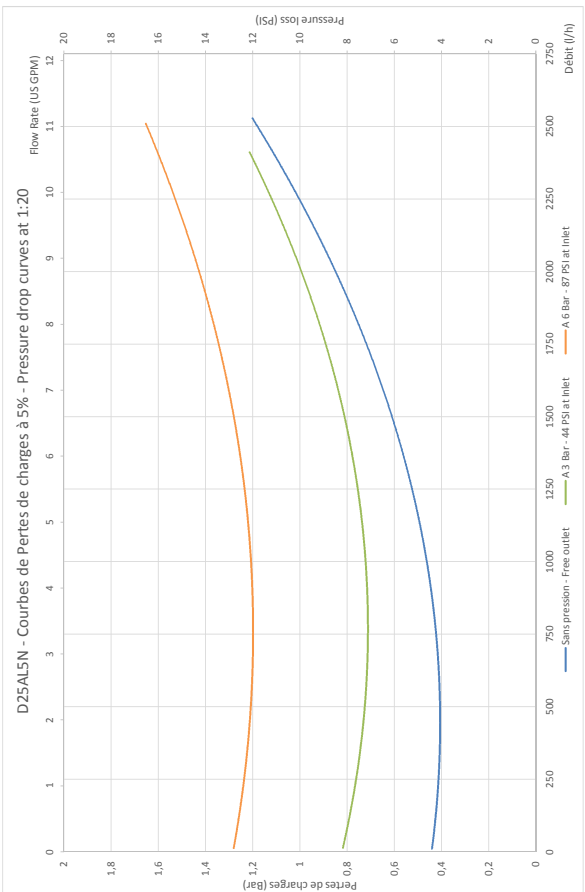
Curves

Pressure loss

D25AL2N

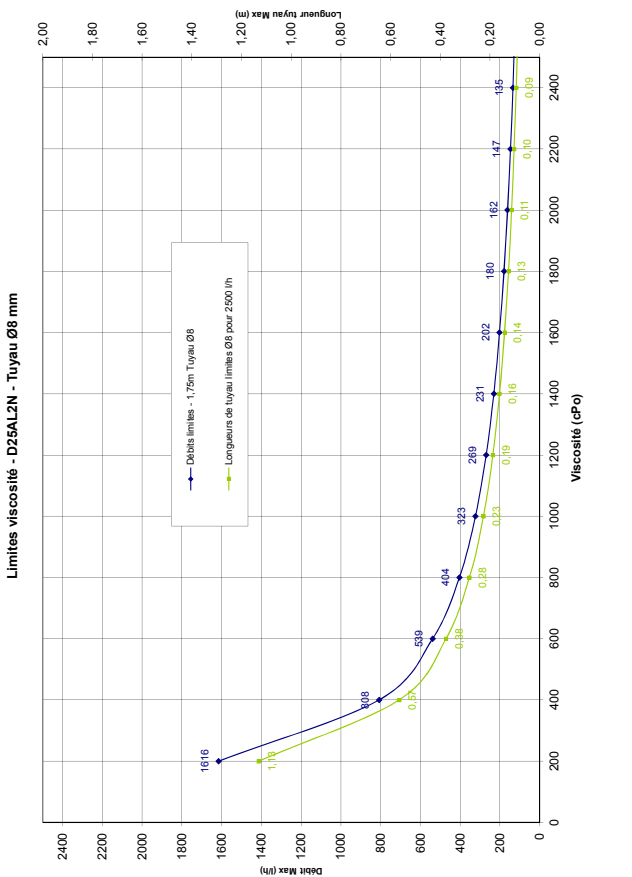


D25AL5N

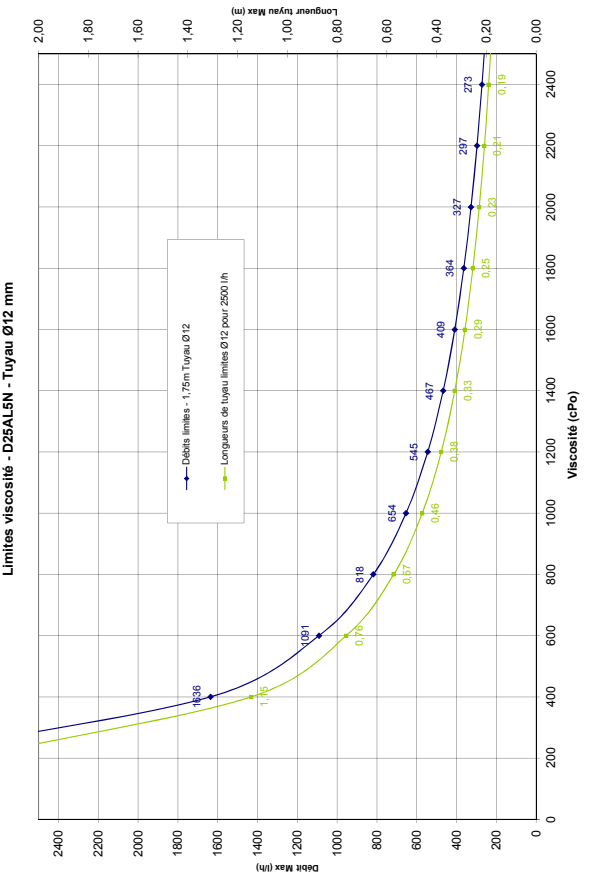

D25AL5N - Courbes de Pertes de charges à 5% - Pressure drop curves at 1:20
Flow Rate (US GPM)
Pertes de charges (Bar)
Pressure loss (PSI)
Débit (l/h)
Sans pression - Free outlet
A 3 Bar - 44 PSI at Inlet
A 6 Bar - 87 PSI at Inlet

Viscosity curves

D25AL2N



D25AL5N


Limites viscosité - D25AL5N - Tuyau Ø12 mm
Débits limites - 1.75m Tuyau Ø12
Longueurs de tuyau limites Ø12 pour 2500 l/h
Débit Max (l/h)
Longueur Tuyau Max (m)
Viscosité (cPo)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
0,00
0,20
0,40
0,60
0,80
1,00
1,20
1,40
1,60
1,80
2,00
1636
1091
818
654
545
467
409
364
327
297
273
1,75
0,76
0,57
0,46
0,38
0,33
0,29
0,25
0,23
0,21
0,19

This document does not form a contractual engagement on the part of DOSATRON INTERNATIONAL and is for information only. The company DOSATRON INTERNATIONAL reserves the right to alter product specification or appearance without prior notice.

CE Conformity Statement
Document N° DOCE06050103 This Dosatron is in compliance with the European Directive 2006/42/CE. This declaration is only valid for countries of the European Community (CE).