



D8R

8 m³/h 0.2% to 2% [40 GPM - 1:500 - 1:50] OWNER'S MANUAL Mahar Fan Abzar



You have just become the owner of a DOSATRON proportional dosing pumps and we congratulate you on your choice. The development of this model is the result of over 25 years experience. Our engineers have placed the DOSATRON series at the forefront of technical development in the field of non-electric proportional dosing pumps. The choice of materials used in manufacture was most meticulous in order to resist chemical attack from the great majority of injectable products on the market. This DOSATRON will, as time goes by, prove itself to be a most faithful ally. A little care and attention, regularly spent, will guarantee you an operation in which the word breakdown has no place.

PLEASE, THEREFORE, READ THIS MANUAL CAREFULLY BEFORE PUTTING THE DOSATRON INTO OPERATION.

Important !

The serial number of your DOSATRON is stamped on the bell housing. Please record this number in the space below and refer to it when you call your distributor for information, parts, and service.

Ref. #

Serial # Pur

Purchase Date

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SUMMARY



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SPECIFICATIONS

- Practical operating flow range : Min. 0.5 m³/h [2.2 US GPM] Max. 8 m³/h [40 US GPM]

- Operating pressure : 0.15 bar to 8 bar [2.2 - 116 PSI]

- Concentrated additive injection : Min. 1 I/h [0.56 US fl. oz/min]

Max. 160 l/h [0.70 US GPM]

- Maximum operating temperature : 40° C [104° F]

- Externally adjustable injection ratio : 0.2% to 2% [1:500 - 1:50]

- Connections : Ø 40 [1"1/2] NPT/BSP

- Hydraulic motor **capacity** : **About 1.7 I** [0.45 US Gallons] for every 2 clicks of the piston

- Self-priming : 4 meters

NOTE : THE DOSATRON IS NOT PRESET, see chapter ADJUSTING THE INJECTION RATE

UNIT SIZE

Diameter : 18.4 cm [7 1/4"] Total height of the DOSATRON : 58 cm [22 7/8"] Width : 30 cm [11 4/5"] Weight : 4 kg approx. [~ 8.8 US lbs]

SHIPPING CONTENTS

- 1 DOSATRON
- 1 mounting bracket for DOSATRON
- 1 suction tube of concentrated additive
- 1 by-pass tube Ø 6 x 9 [1/4" ID x 3/8" OD]
- 1 strainer
- 1 owner's manual

PACKAGE SIZE

60 x 36.5 x 24 cm [23 5/8" x 14 3/8" x 9 7/16"]

PACKAGE WEIGHT

5.5 kg approx. [~ 12.15 US lbs]

Precise, simple and reliable

Installed directly in the water supply line, the DOSATRON operates using bv water pressure as the power source. The water activates the DOSATRON, which takes up the required percentage of Inside concentrate. the DOSATRON, the concentrate is mixed with the water. The water pressure forces the solution downstream.

SOLUTION WATER + % ADDITIVE

which may occur in the main

The dose of concentrate will be directly proportional to the volume of water entering the regardless DOSATRON. variations in flow or pressure

line.

MOTOR PISTON

CLEAR WATER

DOSING PISTON

ADJUSTMENT (%) RATIO

> CONCENTRATED ADDITIVE TO BE DOSED

> > Mahar Fan Abzar

of

ACCESSORIES

MAINTENANCE

ADDITIONAL OPTIONS AVAILABLE

Call your authorised distributor or the manufacturer.



CHAPTER 1

INSTALLATION

RECOMMENDATIONS

1 - GENERAL REMARKS

- When connecting a DOSATRON either to the public water supply or to its own water source, you must respect the regulations in force concerning protection of the source i.e. backflow prevention, etc.

- In a case where the water installation is higher than the DOSATRON itself, there is a possible risk of water and concentrate flowing back through the DOSATRON. In this case, installing a non-return valve downstream is recommended.

- Do not install the DOSATRON just above an acid container, (risk of acid fumes attacking the DOSATRON) and protect it, with a lid, from possible contact with corrosive products.

- Do not install the DOSATRON on the suction side of the supply pump (risk of siphoning).

- The DOSATRON should be protected from frost and from sources of excessive heat

2 - WATER WITH HIGH PARTICLE CONTENT

- It is imperative to set up a filter (300 mesh - 60 microns) upstream of the DOSATRON.

3 - WATER-HAMMER / EXCESSIVE FLOW

- For installations subject to water hammer a protection device such as a check valve or union ball check must be fitted (pressure/flow control system).

- For automatic installations, slow opening and closing solenoid valves are preferable.

- In an installation where a DOSATRON serves several sectors, the closing of one sector and the opening of another sector must be done at the same time (simultaneous operation of the solenoid valves). Mahar Fan Abzar

ASSEMBLING THE DOSATRON

ASSEMBLY SHOULD BE CARRIED OUT WITHOUT THE USE OF TOOLS

The DOSATRON is delivered with :

- a mounting bracket.
- a suction tube with a strainer.
- a by-pass tube Ø 6 x 9 [1/4" ID x 3/8" OD].



The bracket enables the DOSATRON to be fixed to a wall.

- Slide dovetails on the pump body (Fig. 1-A) into the support bracket (Fig. 1-S).

- Remove the nuts (Fig. 1-E) and ferrules (Fig. 1-C) from the DOSATRON inlet and outlet.

- Remove the plastic caps (Fig. 1-B) which block the inlet and outlet of your DOSATRON before connecting to the water supply.

- Make sure the watertight seals at the inlet and outlet of the DOSATRON are correctly positioned :

First position the <O> ring (Fig. 1-J) and then the spacing ring (Fig. 1-G), bZa Mahar Fan

For connecting to polyethylene or polypropylene pipe :

- Bevel the end of the pipe and slide on nut (Fig. 2-E) and then ferrule (Fig. 2-C).
- Slide pipes into water inlet and outlet (Fig. 2) as far as they will go.
- Push one ferrule (Fig. 2-C) against the inlet and the other against the outlet.
- Tighten the nuts (Fig. 2-E).

For connecting to PVC pipe :



- Proceed as for the polyethylene and polypropylene pipes but spread PVC adhesive on the pipe where the ferrules are to be mounted.

- Then place the ferrules over the pipe using both thumbs in the slot to widen the ferrule **(Fig. 2-C)** and avoid scraping off the adhesive, then tighten the nut.

NOTA : Wait for one hour before putting into operation.

The (nut and) ferrule made of polyacetal **(Fig. 2-C)** will not adhere to the PVC glue and (they) can therefore be dismantled easily at a later date.

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The connection of the DOSATRON to the water network can be done with flexible hoses (internal diameter 40 mm) to be fixed by means of clamps and turning adapters Ø 40 x 49 mm [1"1/2]. Make sure the water is flowing according to the direction arrow on the pump body.

The DOSATRON is delivered with a suction tube (cut it to the needed length) enabling its use with a large capacity concentrate container.

The tube must be fitted with its strainer and weight.

The instructions for fitting the tube are to be found in the specific chapter.

NOTE : The maximum suction height is 4 meters [13 feet].

Fit the tube, equipped with its strainer and its weight, and immerse it in the solution to be injected.

IMPORTANT ! - The strainer must be suspended at least 10 cm [4"] above the bottom of the stock solution container to avoid sucking up the insoluble particles that may damage the injector assembly (Fig.3).

- Do not put the strainer on the ground.

WHAT YOU SHOULD DO WHAT YOU MUST NOT DO Fig. 3 Fig. 4 Under no circumstance should the [1 solution level be above the water Ę inlet of the DOSATRON. 9 Mahar Fan Abzar

INSTALLATION HINTS

The DOSATRON can be connected to the main water line **directly** (**Ex. 1**) or on a **by-pass** (**Ex. 2**), recommended.

If your flow rate is above the operating limits of the DOSATRON, see EXCESSIVE FLOW.

To prolong the working life of the DOSATRON it is advisable to install a filter (300 mesh - 60 microns) upstream.

This is imperative if the water contains impurities or particles, especially if the water comes from a well.

A filter is recommended and required for the warranty to be valid.



Installing the DOSATRON on a bypass enables clean water to be supplied without operating the DOSATRON and the DOSATRON to be easily dismantled.

When connecting an installation to the public water supply, you must respect the rules and regulations in force in the country.

Valve Non-return valve Ex. 2

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EXCESSIVE FLOW (as an indication)

If your DOSATRON clicks more than **36 times**, that is **18 cycles** in **15 seconds**, you are close to the superior flow limit. If you need more flow, you must install a DOSATRON with a higher flow capacity.





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CHAPTER 2

PUTTING THE DOSATRON INTO ORDER

USING FOR THE FIRST TIME



- Place the by-pass lever in the ON position (Fig. 5-L).

- Open the water inlet valve slowly, the DOSATRON is self-priming.

- Operate the DOSATRON until the product to be dosed is drawn up into the doser body (the product is visible through the plastic tube).

- The DOSATRON makes a characteristic "click-clack" noise when working.

NOTE : The time required to prime the suction tube depends on the water flowrate, the ratio setting and the length of the suction tube. To (bleed the air from the suction tube and) accelerate the priming, set the injection rate at maximum.

Once the DOSATRON is primed, adjust to the required injection rate (see § ADJUSTING THE INJECTION RATE).

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INCORPORATED HYDRAULIC BY-PASS

A mechanism to select either the dosing function or the by-pass mode :

The operating medium must have a minimum pressure of **0.8 bar** [12 PSI] in order to operate the by-pass.

- By-pass on **OFF (Fig. 6-L)**, the DOSATRON is stopped and does not draw up the product.

- By-pass on **ON (Fig. 7-L)**, the DOSATRON works and the concentrate is drawn up.



Fig. 6

Fig. 7

NOTE : When changing the lever (L) from the OFF to the ON position, it is normal that a small jet of water escapes from the barbed fitting Ø 3 [1/8"] (Fig. 7-Q).



AUTOMATIC BY-PASS

A mechanism to select either the dosing function or the by-pass mode :

The operating medium must have a minimum pressure of **0.8 bar** [12 PSI] in order to operate the by-pass.

NOTE : When operating the By-pass through a remote control system, the operating lever (Fig. 8-L) must be on the ON position.



[1/4" ID x 3/8" OD]

Operating the automatic by-pass :

- Opening of the solenoid valve.

Power supply open : 1 to 2 > Normal operating :

Admission of the by-pass operating medium By-pass function activated : Dosing function stopped

3 > Outlet closed

Operating of the DOSATRON :

- Closing of the solenoid valve.

Power supply interrupted : 2 to 3 > Outlet open :

Escaping of the by-pass operating medium Activating of the dosing function





Automatic anti-siphon valve of product :

- This automatically recreates normal atmospheric pressure in the DOSATRON in the event of an accidental vacuum in the line (Fig. 9). Its use depends on the regulations in force in your country.

- You must comply with the local water authority's requirements.

- To put into operation, unscrew the nut (Fig. 9-E), remove the solid metal disc (Fig. 9-P) and replace it by the washer (Fig. 9-C) supplied with the DOSATRON.

- Screw the nut (Fig. 9-E).



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CHAPTER 3

PRECAUTIONS

1 - IMPORTANT GENERAL INSTRUCTIONS

- During any intervention the operator must stay in front of the DOSATRON and wear protective eyewear and gloves.

- It is the responsibility of the owner/operator to replace the injection seals annually to ensure precise injection.

- It is the responsibility of the owner/operator to check that the flow and pressure of the installation do not exceed these DOSATRON characteristics.

- It is the responsibility of the owner/operator of the DOSATRON, to determine the correct amount of solution and injection ratio to obtain the desired result.

- An air inlet, an impurity or a chemical attack on a seal can interrupt the dosing function. It is recommended to periodically check that the solution is being correctly drawn up into the DOSATRON.

- Change the suction tube as soon as it seems damaged by the chemical.

- Protect the DOSATRON from freezing temperatures by draining it and store it away from sources of excessive heat.

- Relieve the pressure after use (advised).

- Rinsing of the DOSATRON is required :

- . when changing chemicals,
- . before handling the DOSATRON, to avoid any contact with the chemical.

2 - INSTALLATION RECOMMENDATIONS

- All assembly should be done without tool, hand tighten only.

- A water filter (300 mesh - 60 microns) must be installed prior to the DOSATRON (see accessories), if a filter is not installed abrasive substances will cause the DOSATRON to deteriorate prematurely.

- In many areas backflow preventors are required, check with local authorities for requirements of backflow devices. DOSATRON strongly recommends a backflow preventor to prevent contamination of your water supply.

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3 - INSTALLATION LOCATION

- The location of the DOSATRON and concentrate container should be accessible, but it should be away from the risk of hazardous chemicals contaminating the solution in the container.

- It is recommended to label all water lines with a warning about the injected solution i.e. Not For Human Consumption.

- In a case where the water installation is higher than the DOSATRON itself, there is a possible risk of water and concentrate flowing back through the DOSATRON. In this case, installing a non-return valve downstream the DOSATRON is recommended.

- For installations subject to water hammer a protection device must be fitted (pressure/flow control system).

- For automatic installations, slow opening and closing solenoid valves are preferable.

- In an installation where a DOSATRON serves several sectors, the closing of one sector and the opening of another sector must be done at the same time (simultaneous operation of the solenoid valves).

- Do not install the DOSATRON just above an acid container, (risk of acid fumes attacking the DOSATRON) and protect it, with a lid, from possible contact with corrosive products.

- The DOSATRON should be protected from frost and from sources of excessive heat.

- Do not install the DOSATRON on the suction side of the supply pump (risk of siphoning).

4 - MAINTENANCE

- Rinse the injection parts after using the DOSATRON. To do this, insert suction tube into container of clean water and inject about a 1/4 liter (1/15 U.S. gallon).

- Routine maintenance once a year will add to the life of your DOSATRON. Replace the dosing seals as well as the suction tube annually to ensure proper injection.

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5 - SERVICE

- This DOSATRON was tested prior to packaging.
- Complete maintenance and seal kits are available.
- Call your distributor DOSATRON for service or parts.

CHAPTER 4

MAINTENANCE

RECOMMENDATIONS

- 1 When using soluble products for your solution, we recommend periodically dismantling of the entire dosing part (see : § CLEANING AND REFITTING THE SUCTION VALVE, § CHANGING SEALS IN THE INJECTION ASSEMBLY). Thoroughly rinsing all the elements of the dosing part with water and reassembling them after having previously lubricated the seal (Fig. 10).
- 2 An air inlet, an impurity or a seal's failure can interrupt the dosing function ; periodically check out that the concentrate is correctly drawn up, thus incorporated into the water.
- **3** Before putting the DOSATRON into operation after a non-use period, remove the motor piston and soak it into lukewarm water < 40° C overnight. This helps to dissolve any deposits which may have dried onto the motor piston.



DOSATRON 45

CLEANING THE WATER FILTER 50 mesh - 350 microns

Frequency : Once per month depending on use.



Fig. 12

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TO REMOVE THE FILTER

- Close the valve upstream of the DOSATRON and allow the pressure to drop to zero.

Before removing the filter, please follow the dismantling instructions on pages 25 to 27.

- Remove the dosing part.
- Unscrew the bell-housing by hand and remove it (Fig. 11).
- Remove the motor piston (Fig. 12-M).
- Remove the filter (Fig. 12-F).
- Remove the seal (Fig. 12-N).
- Clean the filter and the seal with clean water.

TO REFIT THE FILTER

- Before re-assembly make sure that the seating area of the filter and seal **(Fig. 12-N)** in the motor body and the bell-housing are clean. If necessary the seal has to be replaced.

- Apply silicone grease to the thread on the body.
- Then proceed in reverse order to the above.

IMPORTANT : IN ALL CASES TIGHTENING MUST BE DONE BY HAND.

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HOW TO DRAIN THE DOSATRON (in case of freezing temperature)

- Turn off the water supply.

- Remove the dosing part.
- Remove the bell-housing and the motor piston, see page 18, chapter : CLEANING THE WATER FILTER.
- Disconnect the water inlet and outlet fittings.

- Remove the lower pump body from the mounting bracket and empty any remaining water.

- The DOSATRON can now be reassembled, after having cleaned the seal **(Fig. 12-N)** (page 18).



FITTING THE SUCTION TUBE

If the DOSATRON has already been used, please imperatively refer to **CHAPTER 3** : PRECAUTIONS.

- Unscrew the dip tube retainer (Fig. 13-E) at the bottom of the injection assembly and thread it onto the dip tube.

- Push the tube onto the dip tube insert as far as it will go and screw up the nut by hand.

- In the case of the tube Ø 20 (D8RV), unscrew the screw with a screwdriver (Fig. 14-C) to loosen the tube clamp.

- Slide the tube onto the barb as far as it will go.
- Tighten the clamp around the tube to hold it air tight on the barb.





DOSATRON 49

ADJUSTING THE INJECTION RATE (with pressure off) 0.2% to 2%

IMPORTANT ! Use no tools

ADJUSTMENT MUST BE MADE WHEN THERE IS NO PRESSURE IN THE DOSATRON



- Fig. 15
- Turn off the water supply and allow the pressure to drop to zero.
- Unscrew the retaining ring (1/2 turn) (Fig. 15-B).

- Screw or unscrew the setting sleeve (Fig. 15-D) so as to bring the top of the sleeve into line with the desired injection rate.

- Tighten the retaining ring (Fig. 15-B).

REMINDER : The injected quantity of product is proportional to the quantity of water entering the DOSATRON. $1\% \Rightarrow 1/100, 100$ volumes of water + 1 volume of injected product.

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INTERNATIONAL CONVERSIONS

%	Concentrate/ water ratio	FI Oz./U.S. Gal	P.P.M.
0.2	1 : 500.00	0.25	2 000
0.4	1 : 250.00 0.50		4 000
0.6	1 : 167.00	0.75	6 000
0.8	1 : 128.00	1.00	8 000
1	1 : 100.00	1.25	10 000
1.2	1: 83.00	1.50	12 000
1.4	1: 71.00	1.75	14 000
1.6	1: 64.00	2.00	16 000
1.8	1: 56.00	2.25	18 000
2	1: 50.00	2.50	20 000

Principle : Setting at 1% \Rightarrow 1/100 = 1 part of concentrate for 100 parts of water.

Ex. : Setting at (2) % \Rightarrow 2/100 = 2 parts of concentrate for 100 parts of water. Ratio \Rightarrow 1/50.

CHANGING SEALS IN THE INJECTION ASSEMBLY (with pressure off)

Frequency : Once per year.

IMPORTANT ! Use no tool or metallic utensils

ADVICE : Before dismantling any part of the injection assembly it is advisable to operate the DOSATRON, injecting clean water so as to rinse through the injection system. In this way, risks of contact with concentrated solutions in the injection assembly are minimized.

During any such intervention, wear spectacles and protection gloves !

METHOD OF REMOVING SEAL

n° 1 position : Between finger and thumb, pinch the component and the seal ; push towards one side to deform the seal.





n° 2 position : Increase the deformation to grip the part of the seal thus exposed and pull it out of its groove.

Clean the seal seating without any tools.

Refitting is done by hand.

It is very important that the seal is not twisted once in place as this would impair its efficiency. Mahar Fan Abzar

CLEANING AND REFITTING THE SUCTION VALVE



Fig. 17

- Turn off the water supply and allow the pressure to drop to zero.

- Unscrew the nut (Fig. 16-E) and pull downwards to remove the suction tube (Fig. 16-T).

- Unscrew and remove the black nut (Fig. 17-N).

- Pull downwards to remove the suction valve assembly.

- Rinse copiously the different parts with clean water, re-assemble them in the order shown (**Fig.18**) and ensure that the spring is in good working condition.

- Re-assemble in the reverse order to the above by hand.

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CHANGING THE MOTOR PISTON (with pressure off)

- Turn off the water supply and allow the pressure to drop to zero.
- Take off the suction tube of product (Fig. 19-T).
- Unscrew the retaining ring (Fig. 20-B).
- Pull downwards to remove the dosing part (Fig. 20-D).







Fig. 20 Mahar Fan Abzar

- Unscrew and remove the bell-housing by hand (Fig. 21-C).
- Remove the motor piston (Fig. 22-M) by pulling it up.
- Change and reassemble in the reverse order to the above.
- Refit the bell-housing (take care not to damage its seal) and tighten by hand.
- Refit the dosing part.

Please refer imperatively to § CHANGING THE DOSING SEALS.







CHANGING THE DOSING SEALS



- Turn off the water supply and allow the pressure to drop to zero.

- Take off the suction tube of product, unscrew the dosing part as described in the corresponding chapter and pull downwards to remove it.

- Change the doser body seal (Fig. 23-O) and the plunger seal (Fig. 23-P).

- Unscrew the retaining suction valve (Fig. 23-E) taking care not to lose the components of the valve, then change the <O> ring (Fig. 24-T) and the valve seal (Fig. 24-C). Mahar Fan Abzar

- Re-assemble in the reverse order to the above.

♥ ATTENTION !

Fit the dosing part as far as it will go. Slightly turn to left or right in order to block the doser body.

NOTE : The dosing scale (Fig. 23-L) must be straight in front.

- Screw the retaining ring (Fig. 23-R) until it is blocked.

The adjustment is done by means of the adjusting nut **(Fig. 23-B)**, please refer to § ADJUSTING THE INJECTION RATE.





CHAPTER 5

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
Motor piston		
DOSATRON does not start or stop	Piston stalled.	Reset piston, by hand.
	The by-pass is either on OFF position or half opened.	Place the by-pass lever in the ON position (see page 11).
	Maximum flow exceeded.	 Reduce flow, restart the DOSATRON. Check piston valves seals to ensure correct position.
	Motor piston is damaged.	Return unit to your DOSATRON service center for repair.



SYMPTOM	CAUSE	SOLUTION			
Dosing					
Water flowing back into concentrate container	Contaminated, worn, or missing check valve parts or valve seal.	Clean or replace it.			
No suction of concentrate	The motor piston has stopped.	See Motor piston section.			
	Air leak (inlet) in the suction tube.	Check the tightness between nut and suction hose.			
	Blocked suction tube or clogged strainer.	Replace it.			
	Missing or worn check valve seal.	Clean or replace it.			
	Missing or worn plunger seal.	Clean or replace it.			
	A scratch on the doser body.	Replace it.			
Under injection	Suction of air.	1. Check the tightness between nut and suction hose.			
		2. Check suction tube.			
	Dirty or worn check valve seal.	Clean or replace check valve seal.			
	Maximum flow exceeded (cavitation).	Reduce the flow.			
	Worn plunger seal.	Replace it.			
	Worn doser body.	Replace it.			

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SYMPTOM	CAUSE	SOLUTION
Leaks		
Leaks in the vicinity of the nut under the pump body	Diffuser seal is damaged or positioned incorrectly.	(Position correctly or) replace it.
Leaks between the setting sleeve and the injector assembly	Doser body seal damaged, positioned incorrectly or missing.	(Position correctly or) replace it.
Leaks between the body and bell housing	Bell housing seal damaged, positioned incorrectly or missing.	Position correctly, clean the seal seating or replace bell- housing seal.

THE MANUFACTURER DECLINES ALL RESPONSIBILITY IF THE DOSATRON IS USED IN CONDITIONS THAT DO NOT CORRESPOND TO THE OPERATING INSTRUCTIONS AS INDICATED IN THIS MANUAL.



LIMITED WARRANTY

DOSATRON INTERNATIONAL S.A. will provide for replacement of all parts shown to be defective in material or workmanship during a period of twelve months from the date of purchase by the original purchaser. To obtain warranty replacement of a part, the DOSATRON must be returned with original proof of purchase receipt to the manufacturer or authorized distributor and thereafter recognized as defective after examination by the technical services of the manufacturer or distributor. The DOSATRON must be flushed of any chemical and sent to the manufacturer or distributor prepaid, but will be returned free of charge once repairs are made if found to be covered by the warranty. Any repairs made under warranty will not extend the initial warranty period.

This warranty only covers circumstances where the part has failed due to defects caused by the manufacturing process. This warranty is invalid if the defects are found to be due to the product's misuse, 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 DOSATRON. The seals and "o" rings are not covered under warranty, nor is damage to the DOSATRON caused by water impurities such as sand. A filter (p.e. 300 Mesh - 60 Microns depending on your water quality) must be used in front of the unit for the warranty to be valid. DOSATRON INTERNATIONAL S.A. declines any responsibility if the DOSATRON is not used in compliance with the operating instructions and tolerances as indicated herein.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. But any implied warranty or merchantability or fitness for a particular purpose applicable to this product is limited in duration to the time period of this written warranty or any implied warrantv.

There is no warranty express or implied relating in any way to products used in conjunction with DOSATRON INTERNATIONAL S.A. products.

The manufacturer or authorized distributor shall not be liable for incidental or consequential damage, such as any economic loss, resulting from breach of this written warranty or any implied warranty.

There are no warranties, express or implied, which extend beyond those described above. Mahar Fan Abzar

REFERENCE DESIGNATION of your DOSATRON D8R

REF. :	Seria	al # :				
<u>EXAMPLE</u> ► <u>D8R</u>	BP	V	<u>AF</u>	<u>P</u>	H	<u>ii</u>
Type of DOSATRON						
BP : Integrated by-pass						
V : Viscous Products (200-400 cSt)						
Dosing Seals : AF = Advised for alkaline concentrates PH 7-14 VF = Advised for acid concentrates PH 1-7						
Colour : - = Blue P = White R = Red V = Green J = Yellow						
H = Hastelloy						
Other extensions (to be specified)						

MAINTENANCE ► Your spare parts order

MOTOR HOUSING							
	Standard bleed	Integrated by-pass	Blue	PVDF	Red	Green	Yellow
8MP003 upper body		пп	_	Р	R	V	J
8MP035 bottom body	-	DF	_	Р	R	V	J
FILTER							
8PJ045							
PUMP BODY SEAL							
8J015							
COMPLETE MOTOR							
000004	Se	als					
8PC001	VT	AF					
DOSING PART							
000000	Seals		Ø standard V		Viscous		
8CD032	VF	AF	Ø 12		V (Ø 20)		
DOSING SEAL KIT							
00 10 50	Se	als	Ø standard Viscous				
8PJ052	VF	AF	Ø 12		V (Ø 20)		
WALL BRACKET							
8P044							
SUCTION TUBE ASSEMBLY							
Cara raf			Ø standa	ard	Viscous		
See ret.			8MP00	1	MPDI013		

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PARTS DIAGRAM



PARTS DIAGRAM

D8R

8 m³/h - 0.2 - 2% 40 GPM - 1:500 - 1:50 0.15 - 8 bar 2.2 - 116 psi



D8R/0104/M

THE DOSATRON IS COMPOSED OF :



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

The greater the flow the faster it goes.

In its up and down movement, you can hear the motor piston "click" :



Count the number of clicks in **30** seconds x 100 = Flow of water in litres/hour.

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

NOTE	Date
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	Mahar Dosatron 67



CUSTOMER SERVICE - SERVICE CLIENTÈLE :

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