

### The Dosatron Solution



# Configuration

# Choosing the right dosing pump

The minimum flow rate corresponds to the minimum operating flow rate of the dosing pump:

for 10 l/h you can use a D25 dosing pump, and for 500 l/h you can use a D9 dosing pump.

Operating flow range:

This lies between the minimum motor flow rate and the maximum motor flow rate. It is important to take into account the number of operating hours.

Please refer to the model table.

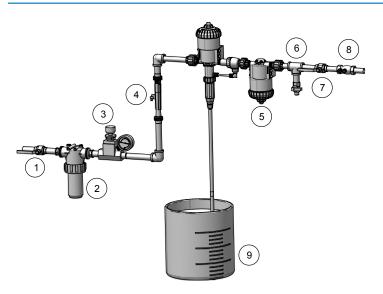
### 1 • The minimum and maximum main line pressure

Do not exceed the operating pressure indicated on the dosing pump - install a pressure relief valve if necessary.

### 2 • The expected level of polymer injection

The polymer solution should be adapted to the nature of the water. The injection percentage determines the amount of polymer added. Please note that the dosing rate is proportional due to the design of the pump. This is known as volumetric dosing.

Please contact us if you would like to find out more about its limitations of use.



Item number	Description
1	Isolation valve
2	Filter
3	Pressure reducer
4	Ludion flow meter
5	Dynamic mixer D Mix
6	Fast priming / flushing / Dosatron test / sampling valve
7	Isolation valve
8	Non-return valve
9	Polymer solution

Our non-electric proportional dosing technology has been awarded the "Solar Impulse Efficient Solution" label

450

253.62

### The models

D9WL5

Operating flow range Operating pressure Injection rate Injection flow rate Model % l/h bar PSI m³/h Min 10 0.01 Min 4.3 Min 0.2 1:5000 0.02 0.0112 D25WL2IEPO Max 2500 2.5 11 Max 6 85 Max 2 1:50 Max 50 28 Min 0.3 1:500 0.02 0.0112 Min 10 0.01 0.33 Min 4.3 0.2 Min PU1 D25WL2IEPO Max 2500 2.5 Max 85 Max 1:50 Max 50 28 2.2 0.3 0.2 Min 500 0.5 Min 4.3 Min 1:500 Min 0.56 **D9WL2** 9000 Max 1:50 Max 180 101.45 Max 9 40 8 116 Max Min 500 0.5 2.2 Min 0.5 72 Min 1:100 Min 5 2.82

The amount of additive injected is proportional to the amount of water that passes through the dosing pump. A setting of 1% will give a solution of 1 part additive to 100 parts water. Please use the calculation tool available in the Dosatron app.

8

Options: A wide range of dosing pumps and an equally wide choice of options (high flow rates, micro-dosing, high chemical resistance materials, etc.) enable us to meet your needs.

Concentrated additive to be dosed

Max

9000



40

Seals for acid additives



Suction start (on)/stop (off)





116

Max

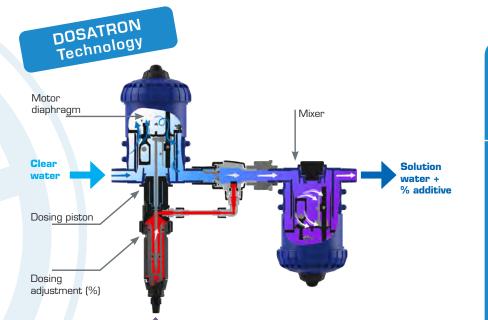
**External Injection** 

5

1:20

Viscous additive kit, recommended for viscosities above 400 cPs





# THE ADVANTAGES OF DOSATRON

Operates without electricity

Not affected by pressure variations

Proportional dosing

Easy to install and operate

Model		VF	<u>a</u>	Bleed valve	BP	Œ	Feet	Mixer D MIX
D25WL2IEPO	As standard	X		Х		Χ		
	Optional		Х		Х			X
PU1 D25WL2IEPO	As standard	Х		Х		Χ		Х
	Optional		Х		Х			
D9WL2	As standard	Х		Х				
	Optional				Х		Х	
D9WL5	As standard	Х		Х				
	Optional				X		Х	

## **ACCESSORIES**

- Filters
- Pipeline kit
- Dosing pump case
- Pressure Reducer



### Case studies



# Installation recommendations

- Ask the polymer manufacturer to carry out a decantation test to determine its effectiveness and dosing rate.
- You must comply with the standards and regulations in force in the country of installation.
- Install a 300 micron [50 mesh] filter upstream of the dosing pump.
- The level in the additive container must never be higher than the dosing pump inlet and outlet (risk of siphoning).





