Dosmatic®

Non-Electric, Fluid Driven Proportional Injectors

MINIDOS®

Injection Range:
0,025% to 20%

Water Flow Range:
7 l/hour to 2700 l/hour

Operating Pressure:
0,41 bar to 9,7 bar

Discover the Dosmatic Difference

- No extra cost for proprietary composite body, which exceeds PVDF for chemical compatibility and for mixing aggressive chemicals.
- No extra cost for built-in on/off switch, which allows user to stop the injection, but not the system.
- Separate internal mixing chamber to prevent chemical contact with motor piston, for longer life and uniform mixing.
- Highest standard operating pressure in the industry, minimizing pressure surge damage.

Certified ISO 9001:2000 Quality Management System

Dosmatic offers the widest range of models in the industry with flow range from 6,6 l/h to 90 850 l/h and ratio range from 0,025% to 20%

Model	Flow Rate	Injection Ratios	Operating Pressure	Inlet/Outlet Connections
MiniDos 0.4%	7 l/h - 2700 l/h	0,025% - 0,4%	0,41 – 9,7 bar	¾" bsp
MiniDos 1%	7 l/h - 2700 l/h	0,2% - 1%	0,41 – 9,7 bar	¾" bsp
MiniDos 2.5%	7 l/h - 2700 l/h	0,5% - 2,5%	0,41 – 9,7 bar	¾" bsp
MiniDos 5%	7 l/h - 2700 l/h	1% - 5%	0,41 – 9,7 bar	¾" bsp
MiniDos 10%	15 l/h - 2200 l/h	2% - 10%	0,68 – 4,5 bar	¾" bsp
MiniDos 20%	15 l/h - 1600 l/h	4% - 20%	0,68 – 4,5 bar	¾" bsp

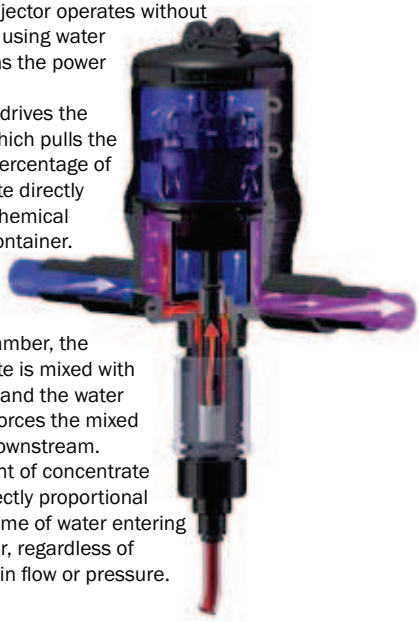
Operating Principle...

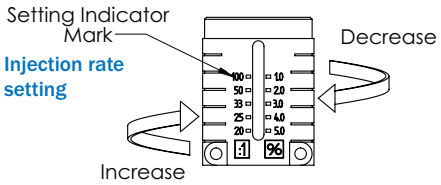
Installed directly in the water supply line, the injector operates without electricity, using water pressure as the power source.

The water drives the injector, which pulls the required percentage of concentrate directly from the chemical solution container.

Inside the Dosmatic, patented mixing chamber, the concentrate is mixed with the water, and the water pressure forces the mixed solution downstream.

The amount of concentrate will be directly proportional to the volume of water entering the injector, regardless of variations in flow or pressure.





The injection rate is set by the lining up the ratio sleeve with desired ratio on the scale. The amount of injected concentrate is proportionnal to the amount of water coming into the Dosmatic: i.e. adjustment at 1% = 1:100 = 1 volume of concentrate + 100 volumes of water entering the injector.

Check your manual for specific setting by model.

Markets

Animal Health, Bio-Decontamination, Chemical Manufacturing and Supply, Food Processing, Horticulture, Metal Processing, Odor Control, Pest Control, Printed Circuits Boards, Printing, Hygiene & Cleaning, Vehicle Wash, Water and Wastewater Treatment...

Principal Applications

Chlorination, Cleaning, Cutting Fluids, Degreasing, Disinfecting, Fertigation, Medication, PH/Th Correction, Pesticides, Soaps & Foams, Weed Control...

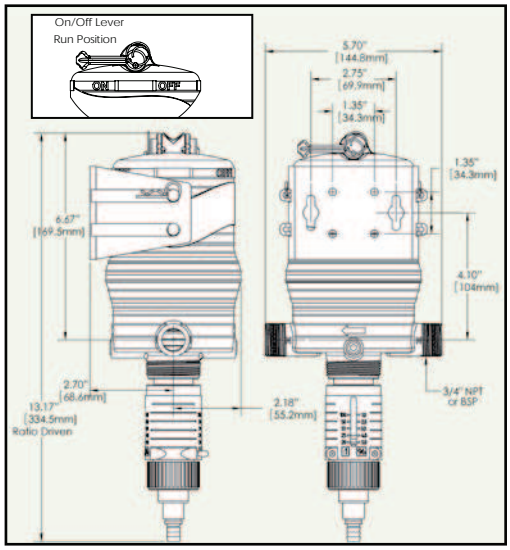
*Warranty Details:

The cover and body are warranted to be free from defects in materials and workmanship for THREE YEARS from date of purchase.

The motor piston is warranted to be free from defects in materials and workmanship for TWO YEARS from date of purchase.

The lower end is warranted to be free from defects in materials and workmanship for ONE YEAR, from the date of purchase.

Size



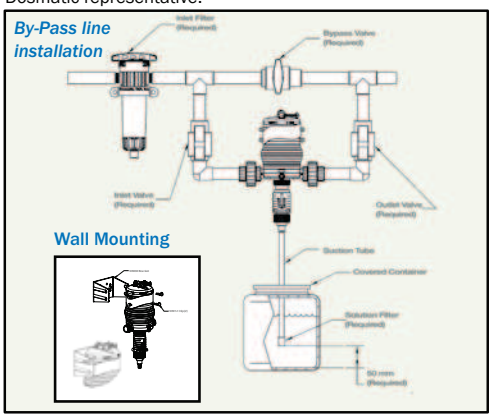
Package contents:

- Dosing pump
- Manual
- Suction hose and filter
- Mounting bracket
- Wear parts kit (dosage piston and o-ring , 0,4% & 1% models include lower shafts)

To Optimize your Dosmatic:

- Install a filter (104 micron) filter upstream of injector depending on water quality.
- It is recommended to change the wear parts every 6 month, one set is included in the purchase of your injector.
- Rinse with clear water when not in use.
- Install necessary protections for excess flow, excess pressure and water hamer.
- Install on a 3 valve bypass.

For all other installation questions, please contact your Dosmatic representative.



Each model is 100% factory tested.

For information on other models, accessories and particular systems, please contact your Dosmatic representative.

Dosmatic Europe
Tel: 00 33 (0)5 57 97 13 13
Fax: 00 33 (0)5 57 97 10 19
20 Route de Taillefer
33450 Montussan, France
Email: info@dosmatic-europe.com
www.dosmatic.com

General Specifications

Housing	Proprietary Engineered Composite Material
Dosing	+/- 10%
Repeatability	+/-3%
Pressure Los	0,2 - 1,2 bar max
Fluid Max. Temp	40°C
Fluid Min. Temp	1°C
Max. vertical suction of concentrate	4 m
Max. horizontal suction of concentrate	15 m
Self-Priming	Yes
Seal Material Available*:	Aflas- Alkaline concentrates Viton - Acids, oils & pesticides EPDM - Base Chemicals *Contact your Dosmatic representative for specific chemical information.
Max. viscosity of concentrate	1,500 cP

Options available for MiniDos

Mobile Cart System 3/4"

Twist II Clean Filter 3/4"

Barrel Adapter System

Viscosity Kit :
Available for High Viscosity chemicals.

External Injection Kit :
Required for highly corrosive chemicals.

External Injection Kit with MiniDos in series

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