



MULTISPRAY

MiniDos

Non-Electric, Fluid Driven Proportional Injectors

MiniDos operates without electricity to precisely inject liquid concentrates into a water supply line using fluid flow as the power source.

MiniDos is designed with a patented internal mixing chamber that promotes homogeneous mixing, while segregating harsh chemicals from critical internal components.

MiniDos comes in various models that easily satisfy the demands of your most challenging applications.

Discover the MiniDos Difference

- Proprietary composite body, which exceeds PVDF for chemical compatibility and for mixing aggressive chemicals.
- 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.

Principle applications

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



Injection range:
0,025% to 20%

Water flow range:
7 l/h to 2700 l/h*

Operating pressure:
0,5 bar to 9,6 bar*

*Depending on model

Often Used



irrigation



vehicle care



industry



food
processing



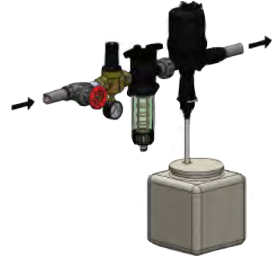
horticulture

Further Information

Basic Installation



tank feed installation



inline installation



dual remote injection installation



bypass installation

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 patented mixing chamber the concentrate is mixed with the water and the 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.

General Specifications

Housing	Proprietary engineered composite material
Dosing	+/- 10%
Repeatability	+/-3%
Pressure loss	0,2 - 1,2 bar max
Fluid max. temp.	38°C
Fluid min. temp.	1°C
Max. vertical suction of concentrate	3.6 m
Max. horizontal suction of concentrate	15 m
Self-priming	Yes
Seal material available*:	Aflas- Alkaline concentrates Viton - Acids, oils & pesticides EPDM - Alkaline concentrates

*Contact your representative for specific chemical information

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

Each model is 100% factory tested.

For information on other models, accessories and specific systems, please contact your Hydro Systems representative.

Model #	Description	Flow Range		Operating Pressure		Injection Range	
		gpm	l/h	psi	bar	%	ratio
112608	MiniDos 0.4%	0.03 - 12	7 - 2,700	6 - 140	0.5 - 9.6	0.025 - 0.4%	1:4000 - 1:250
112600	MiniDos 1%	0.03 - 12	7 - 2,700	6 - 140	0.5 - 9.6	0.2% - 1%	1:500 - 1:100
112602	MiniDos 2.5%	0.03 - 12	7 - 2,700	6 - 140	0.5 - 9.6	0.5 % - 2.5%	1:200 - 1:40
112604	MiniDos 5%	0.03 - 12	7 - 2,700	6 - 140	0.5 - 9.6	1% - 5%	1:100 - 1:20
112606	MiniDos 10%	0.07 - 10	16 - 2,200	6 - 65	0.5 - 4.5	2% - 10%	1:50 - 1:10
112620	MiniDos 20%	0.07 - 7	16 - 1,500	6 - 65	0.5 - 4.5	4% - 20%	1:25 - 1:5