

SuperDos

Non-Electric, Fluid Driven Proportional Injectors

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

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

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

- 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 (30 and 45 models only), 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.
- Interchangeable lower ends and can adjust ratios while in operation.
- Highly-aggressive, chemical-resistant models available
- Diesel fuel-friendly models available

Principal applications

Chlorination, Cleaning, Cutting Fluids, Descaling, Decontamination, Degreasing, Disinfecting, Dispersants, Fertigation, Hydroponics, Inhibitors, Lubrication, Medication, Mistig Systems, Odor Control, Pesticides, PH/TH Correction, Rinsing, Sanitizing, Soaps & Foams, Surfactants, Weed Control. Control...



Injection range:
0,025% to 10%

Water flow range:
20 l/h to 8,000 l/h*

Operating pressure:
0.21 bar to 6.9 bar*

*Depending on model

Often Used



horticulture



animal health



irrigation



carwash &
auto detailing



industrial



food
processing

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 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.

General Specifications

Housing	Proprietary engineered composite material
Dosing	+/- 10%
Repeatability	+/-3%
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 Kalrez

*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 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.

Each model is 100% factory tested.

Model	Flow rate	Injection ratio	Pressure	Connections
SuperDos 15 TF 0.3%	20 l/h - 3400 l/h	0,025% - 0,3%	0.21 – 4.1 bar	1" bsp
SuperDos 15 TF 2.5%	20 l/h - 3400 l/h	0.2% - 2.5%	0.21 – 4.1 bar	1" bsp
SuperDos 15 TF 5%	20 l/h - 3400 l/h	0.4% - 5%	0.21 – 4.1 bar	1" bsp
SuperDos 20 0.3%	20 l/h - 4500 l/h	0.025% - 0.3%	0.34 - 6.9 bar	1" bsp
SuperDos 20 2.5%	20 l/h - 4500 l/h	0.20% - 2.5%	0.34 - 6.9 bar	1" bsp
SuperDos 20 5%	20 l/h - 4500 l/h	0.40% - 5%	0.34 - 6.9 bar	1" bsp
SuperDos 20 10%	20 l/h - 4500 l/h	2% - 10%	0.34 - 6.9 bar	1" bsp
SuperDos 30 0.3%	34 l/h - 6800 l/h	0.025% - 0.3%	0.34 - 6.9 bar	1" bsp
SuperDos 30 2.5%	34 l/h - 6800 l/h	0.20% - 2.5%	0.34 - 6.9 bar	1" bsp
SuperDos 30 5%	34 l/h - 6800 l/h	0.40% - 5%	0.34 - 6.9 bar	1" bsp
SuperDos 45 0.3%	113 l/h - 8,000 l/h	0.025% - 0.3%	0.34 - 6.9 bar	1 1/4" bsp
SuperDos 45 2.5%	113 l/h - 8,000 l/h	0.20% - 2.5%	0.34 - 6.9 bar	1 1/4" bsp
SuperDos 45 5%	113 l/h - 8,000 l/h	1% - 5%	0.34 - 6.9 bar	1 1/4" bsp



59 New Road
Halfway House
Midrand
Te: 011 805 2091
Fax: 011 805 2093
www.multispray.com

