# SuperDos

## Non-Electric, Fluid Driven Proportional Injector

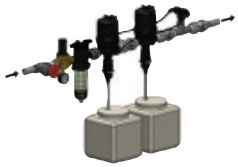
SuperDos operates without electricity to precisely inject liquid concentrates into a water supply line using fluid flow as the power source.

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

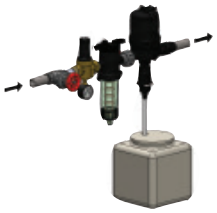
SuperDos comes in various models that easily satisfy the demands of your most challenging applications.

- 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


### Basic installation

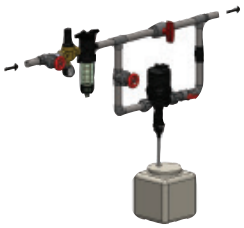


dual remote injection installation



inline installation

tank feed installation



bypass installation

**Often** Used

horticulture

animal health

irrigation

carwash & auto detailing

industrial

food processing

# **Further** Information

## 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.

| | |
|---|---|
| Housing | Proprietary engineered composite material |
| Average Dosing Accuracy | +/- 10% |
| Repeatibility | +/-3% |
| Fluid Maximum Temperature | 38ºC |
| Fluid Minimum Temperature | 1ºC |
| Maximum Vertical Suction of Concentrate | 3.6 m |
| Seal material available*: | Aflas<br>Viton<br>EPDM<br>Kalrez |

| | | | | Dilution | |
|---|---|---|---|---|---|
| **Model** | **Model #** | **Operating pressure (Bar)** | **Water Flow (lit./hr)** | **%** | **Ratio** |
| SuperDos 15 0.3% | 113727RGB | 0.2 - 4.1 | 10 - 3,400 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 15 2.5% | 113702GB | 0.2 - 4.1 | 10 - 3,400 | 0.2 - 2.5 | 1:500 - 1:40 |
| SuperDos 15 2.5% WSP | 113702WSPGB | 0.2 - 4.1 | 10 - 3,400 | 0.3 - 2.5 | 1:300 - 1:40 |
| SuperDos 15 5% | 113703GB | 0.2 - 4.1 | 10 - 3,400 | 0.4 - 5.0 | 1:250 - 1:20 |
| SuperDos 20 0.3% | 113728RGB | 0.4 - 6.9 | 11 - 4,500 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 20 0.3% (Peracetic acid) | 113728HAC | 0.4 - 6.9 | 11 - 4,500 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 20 2.5% | 113705GB | 0.4 - 6.9 | 11 - 4,500 | 0.2 - 2.5 | 1:500 - 1:40 |
| SuperDos 20 2.5% WSP | 113705WSPGB | 0.4 - 6.9 | 11 - 4,500 | 0.3 - 2.5 | 1:300 - 1:40 |
| SuperDos 20 5% | 113706GB | 0.4 - 6.9 | 11 - 4,500 | 0.4 - 5.0 | 1:250 - 1:20 |
| SuperDos 20 10% | 113707GB | 0.4 - 4.5 | 11 - 4,500 | 2.0 - 10.0 | 1:50 - 1:10 |
| SuperDos 30 0.3% (Peracetic acid) | 113729HAC | 0.4 - 6.9 | 34 - 6,800 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 30 0.3% | 113729RGB | 0.4 - 6.9 | 34 - 6.800 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 30 2.5% | 113709GB | 0.4 - 6.9 | 34 - 6.800 | 0.2 - 2.5 | 1:500 - 1:40 |
| SuperDos 30 2.5% WSP | 113709WSPGB | 0.4 - 6.9 | 34 - 6.800 | 0.3 - 2.5 | 1:300 - 1:40 |
| SuperDos 30 5% | 113710GB | 0.4 - 6.9 | 34 - 6.800 | 0.4 - 5.0 | 1:250 - 1:20 |
| SuperDos 45 0.3% (Peracetic acid) | 113730HAC | 0.4 - 6.9 | 57 - 10,000 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 45 0.3% | 113730RGB | 0.4 - 6.9 | 57 - 10,000 | 0.025 - 0.3 | 1:4000 - 1:333 |
| SuperDos 45 2.5% | 113712GB | 0.4 - 6.9 | 57 - 10,000 | 0.2 - 2.5 | 1:500 - 1:40 |
| SuperDos 45 5% | 113715GB | 0.4 - 5.5 | 57 - 10,000 | 0.4 - 5.0 | 1:250 - 1:20 |

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