



# METAL PROCESSING INDUSTRY

- Operates with water pressure Non-Electric
- Precision and accuracy not affected by water flow and pressure variations
- Excellent dosing repeatability and final solution homogeneity
- Highly suitable for viscous additives (viscous kit)
- Self-priming
- Low operating and maintenance costs (easy maintenance)
- High chemical resistance



- Cutting oil
- Die casting
- Part degreasing and cleaning
- Surface treatment
- Vibro-abrasion
- Water jet cutting (polymer dosing)
- Vulcanisation

D3	Dosage		Operating flow range min. - max.		Operating pressure		Version	
	%	Ratio	(l/h)	[US Pint/min - US GPM]	bar	PSI	Serial	Option
D3RE3000	0.03 - 0.3	[1:3000 - 1:333]	10 - 3 000	[1/3 - 14]	0.30 - 6	4.3 - 85	VF AF	BP PVDF K
D3RE2	0.2 - 2	[1:500 - 1:50]	10 - 3 000	[1/3 - 14]	0.30 - 6	4.3 - 85	VF AF	BP PVDF K V
D3RE5	0.5 - 5	[1:200 - 1:20]	10 - 3 000	[1/3 - 14]	0.30 - 6	4.3 - 85	VF AF	BP PVDF K V
D3RE10	1 - 10	[1:100 - 1:10]	10 - 3 000	[1/3 - 14]	0.50 - 6	7 - 85	VF AF	BP PVDF K V
D3RE25IE	5 - 25	[1:20 - 1:4]	10 - 2 000	[1/3 - 9]	0.50 - 4	7 - 57	VF AF IE	BP PVDF V

Connection (NPT/BSP M) Ø 20 x 27mm [3/4"]

D8	Dosage		Operating flow range min. - max.		Operating pressure		Version	
	%	Ratio	(l/h)	[US GPM]	bar	PSI	Serial	Option
D8RE3000	0.03 - 0.125	[1:3000 - 1:800]	500 - 8 000	[2.2 - 40]	0.15 - 8	2.2 - 116	VF AF	BP K
D8RE2	0.2 - 2	[1:500 - 1:50]	500 - 8 000	[2.2 - 40]	0.15 - 8	2.2 - 116	VF AF	BP
D8RE5	1 - 5	[1:100 - 1:20]	500 - 8 000	[2.2 - 40]	0.15 - 8	2.2 - 116	VF AF	BP

Connection (NPT/BSP M) Ø 40 x 49mm [1" 1/2 M]

## Available options



PVDF: Carter for highly concentrated acids



AF: Recommended seals for alkaline additives



VF: Recommended seals for acidic additives



K: Recommended seals for highly concentrated acids (>15%)



BP: (Integrated by-pass) system for manual activation of the additive suction (on) and stop (off)



IE: External Injection



V: kit for viscous additive, recommended for viscosity starting from 400 cPs

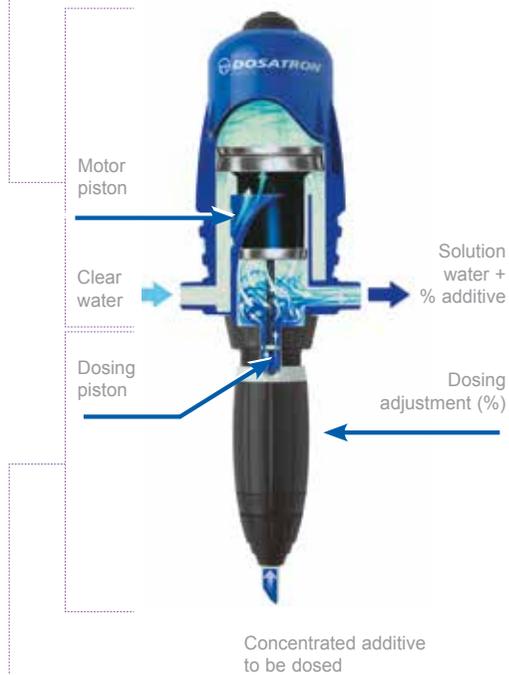
## Dosatron technology

Dosatron technology is based on a hydraulic motor pump activated only by the pressure and the flow of the water.

### The hydraulic motor

The motor piston moves under the pressure of the water. A system of valves allows the movement to be reversed.

The dosing pump is called a VOLUMETRIC pump



### The dosing assembly

The dosing piston driven by the motor continuously injects a fixed volume of product (adjustable capacity of the dosing body). The dosing piston will inject the quantity of product that corresponds to the volume of water passing through the motor. Therefore, the operating principle ensures constant dosing, independently of the variations in flow rate and pressure of the water.

The injection of the product is **PROPORTIONAL** to the water flow rate.

- Dosing of any liquid or water soluble product
- Multiple applications, one solution.
- High accuracy dosing

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# DOSATRON®

*Because life is powered by water* ■ ■ ■ ■ ■ ■ ■ ■ ■ ■



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METAL PROCESSING INDUSTRY

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