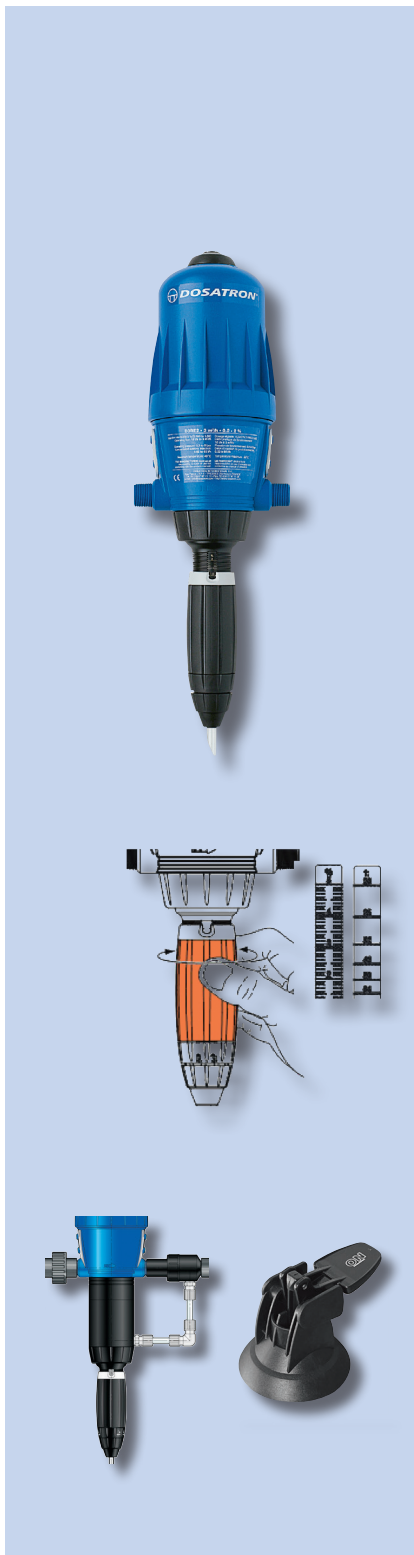


1.1.1.

DOSA*Tec* Proportional doser D3

Proportional dosing with external adjustment.



Product description:

- Dosing range: 0.03–25 %
- Pressure range: 0.3–6 bar, depending on the model
- Water flow rate: 10–3000 l/h
- Dosing feed rate: 0.003–300 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±10 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.2–2.3 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF for alkaline solutions (pH 7–14)
 - VF acid (pH 1–7)
- Maximum intake height: 4 m

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1 % = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA*Tec* D3 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.53 l (1 cycle = 2 clicks)
Dosing piston	Single-acting 10%, double acting from 10% upwards
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	200–800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosage
Intake	Intake filter with ballast
Connections	¾ M : BSP – NPT – Ø 20 x 27 mm
Integrated anti-siphon system	No

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:
D3RE3000 AF (seals for alkaline media)	0.03–0.3	1 : 3333 to 1 : 330	10–3000	0.3–6	4 x 6	PP	4056300
D3RE3000 VF (seals for acidic media)							4056100
D3RE2 AF (seals for alkaline media)	0.2–2	1 : 500 to 1 : 50	10–3000	0.3–6	8 x 12		4056305
D3RE2 VF (seals for acidic media)							4056105
D3RE5 AF (seals for alkaline media)	0.5–5	1 : 200 to 1 : 20	10–3000	0.3–6	12 x 16		4056310
D3RE5 VF (seals for acidic media)							4056110
D3RE10 AF (seals for alkaline media)	1–10	1 : 100 to 1 : 10	10–3000	0.5–6	16 x 22		4056315
D3RE10 VF (seals for acidic media)							4056115
D3RE/IE25 AF (seals for alkaline media)	5–25	1 : 20 to 1 : 4	10–2000	0.5–4	16 x 22		4056320
D3RE/IE25 VF (seals for acidic media)							4056120
D3RE3000 AF (seals for alkaline media)	0.03–0.3	1 : 3333 to 1 : 330	10–3000	0.3–6	4 x 6	PVDF	4056325
D3RE3000 VF (seals for acidic media)							4056125
D3RE2 AF (seals for alkaline media)	0.2–2	1 : 500 to 1 : 50	10–3000	0.3–6	8 x 12		4056330
D3RE2 VF (seals for acidic media)							4056130
D3RE5 AF (seals for alkaline media)	0.5–5	1 : 200 to 1 : 20	10–3000	0.3–6	12 x 16		4056335
D3RE5 VF (seals for acidic media)							4056135
D3RE10 AF (seals for alkaline media)	1–10	1 : 100 to 1 : 10	10–3000	0.5–6	16 x 22		4056340
D3RE10 VF (seals for acidic media)							4056140
D3RE/IE25 AF (seals for alkaline media)	5–25	1 : 20 to 1 : 4	10–2000	0.5–4	16 x 22		4056345
D3RE/IE25 VF (seals for acidic media)							4056145

/IE = with external injection

Options:

Type:	Hose connection:	Item number:
Product intake hose as viscous kit version	20 x 27	9156040
D3RE5 ...		
D3RE10 ...		
D3RE25IE* ...		
An optional by-pass switch is available for series D25 and D3, which allows the intake system to be switched on/off		9156045

Accessories:

Type:	Item number:
½" pressure reducer male thread with pressure gauge	9156050
¾" water filter with Plexiglass container - Washable 80 micron filter cartridge	9156060
½" backflow preventer BA Micro DVGW tested (max.1000l/h)	9156070
½" backflow preventer BA Kompakt	9156080
½" stainless steel water-hammer-arrester	9156090

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against
 - excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system

