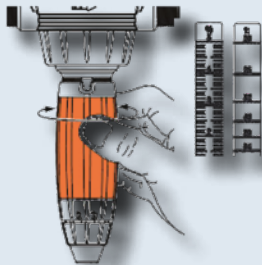


DOSA *Tec* Proportional doser D25

Proportional dosing with external adjustment.



Product description:

- Dosing range: 0.1 – 10 %
- Pressure range: 0.3–6 bar, depending on the model
- Water flow rate: 10–2500 l/h
- Dosing feed rate: 0.007–250 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ± 5 %
- Reproducibility: ± 3 % (API675)
- Pressure loss: 0.3 – 1.9 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* D25 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.45 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:		
D25RE09 AF (seals for alkaline media)	0.1–0.9	1 : 1000 to 1 : 112	10–2500	0.3–6.0	6 x 9	Polyacetal	4056350		
D25RE09 VF (seals for acidic media)							4056150		
D25RE2 AF (seals for alkaline media)	0.2–2.0	1 : 500 to 1 : 50					4056355		
D25RE2 VF (seals for acidic media)							4056155		
D25RE/IE2 AF (seals for alkaline media)							4056360		
D25RE/IE2 VF (seals for acidic media)							4056160		
D25RE4 AF (seals for alkaline media)					0.5–4.0		1 : 200 ... 01 : 25	4056365	
D25RE4 VF (seals for acidic media)								4056165	
D25RE5 AF (seals for alkaline media)	1.0–5.0	1:100 to 01:20						4056370	
D25RE5 VF (seals for acidic media)								4056170	
D25RE/IE5 AF (seals for alkaline media)								4056375	
D25RE/IE5 VF (seals for acidic media)								4056175	
D25RE10 AF (seals for alkaline media)			3.0–10.0	1 : 33 to 1 : 10	4056380				
D25RE10 VF (seals for acidic media)					4056180				
D25RE/IE10 AF (seals for alkaline media)	4056385								
D25RE/IE10 VF (seals for acidic media)	4056185								
D25RE09 AF (seals for alkaline media)	0.1–0.9	1 : 1000 to 1 : 112			10–2500	0.3–6.0	6 x 9	PVDF	4056390
D25RE09 VF (seals for acidic media)									4056190
D25RE2 AF (seals for alkaline media)	0.2–2.0	1 : 500 to 1 : 50	4056405						
D25RE2 VF (seals for acidic media)			4056205						
D25RE/IE2 AF (seals for alkaline media)			4056410						
D25RE/IE2 VF (seals for acidic media)			4056210						
D25RE4 AF (seals for alkaline media)			0.5–4.0	1 : 200 to 1 : 25			4056415		
D25RE4 VF (seals for acidic media)							4056215		
D25RE5 AF (seals for alkaline media)	1.0–5.0	1 : 100 to 1 : 20					4056420		
D25RE5 VF (seals for acidic media)							4056220		
D25RE/IE5 AF (seals for alkaline media)							4056425		
D25RE/IE5 VF (seals for acidic media)							4056225		
D25RE10 AF (seals for alkaline media)			3.0–10.0	1 : 33 to 1 : 10	4056430				
D25RE10 VF (seals for acidic media)					4056230				
D25RE/IE10 AF (seals for alkaline media)	4056435								
D25RE/IE10 VF (seals for acidic media)	4056235								
D25RE/IE10 AF (seals for inorganic acids)	0.1–0.9	1 : 1000 to 1 : 112			10–2500	0.3–6.0	6 x 9	PVDF A0 (Kalrez)	4056195
D25RE/IE10 VF (seals for inorganic acids)	0.2–2.0	1 : 500 to 1 : 50							4056200

/IE = with external injection

Options:

Type:		Item number:
Product intake hose V as viscous kit version.		
Type:	Hose connection:	9156040
D25RE2 ...	12 x 16 mm	
D25RE5 ...	20 x 27 mm	
D25RE10 ...		
An optional by-pass (BP) 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
System separator BA BM015 R ½" AG	9156075
System separator BA BM020 R ¾" AG	915076

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