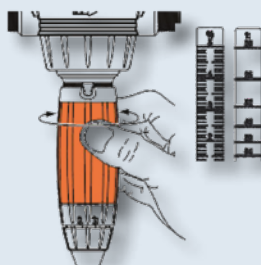


DOSA *Tec* Proportional doser D45

Proportional dosing with external adjustment and integrated bypass.



Product description:

- Dosing range: 0.03–8 %
- Pressure range: 0.5–5 bar, depending on the model
- Water flow rate: 100–4500 l/h
- Dosing feed rate: 0.033–360 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: 0.2D45RE82.3 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Bypass switch for switching on and off the metering
- 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* D45 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.08 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 to 800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosage
Intake	Intake filter with ballast
Connections	1 ¼" M : BSP – NPT – Ø 33 x 42 mm
Integrated anti-siphon system	No

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:	
D45RE3000 AF (seals for alkaline media)	0.03–0.10	1 : 3333 to 1 : 1000	100 – 4500	0.5–5.0	6 x 9	PP	4056700	
D45RE3000 VF (seals for acidic media)							4056701	
D45RE15 AF (seals for alkaline media)	0.2–1.5	1 : 500 to 1 : 67			12 x 16		20 x 27	4056705
D45RE15 VF (seals for acidic media)								4056706
D45RE/15IE* AF (seals for alkaline media)								4056710
D45RE/15IE* VF (seals for acidic media)								4056711
D45RE3 AF (seals for alkaline media)	0.5–3	1 : 200 to 1 : 33						4056715
D45RE3 VF (seals for acidic media)								4056716
D45RE/3IE* AF (seals for alkaline media)					4056720			
D45RE/3IE* VF (seals for acidic media)					4056721			
D45RE8 AF (seals for alkaline media)	3–8	1 : 33 to 1 : 13			4056725			
D45RE8 VF (seals for acidic media)		4056726						
D45RE/8IE* AF (seals for alkaline media)		1 : 20 to 1 : 4	4056730					
D45RE/8IE* VF (seals for acidic media)		4056731						

(*IE = with external injection)