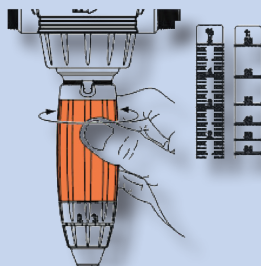


1.1.1.

DOSA Tec Proportional doser D9

Proportional dosing with external adjustment



Product description:

- Dosing range: 0.2 – 5 %
- Pressure range: 0.3 – 8 bar, depending on the model
- Water flow rate: 500 – 9000 l/h
- Dosing feed rate: 1 – 450 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 D9 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	1,7 l (1 Zyklus = 2 Klacklaute)
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	600–3000 cPs at 20 °C
Intake	Intake filter with ballast
Connections	1 ½" M: NPT - BSP Ø 40 x 49 mm
Integrated anti-siphon system	No

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:
D9RE2 AF (seals for alkaline media)	0,2 ... 2	1 : 500 ...	500 ... 9000	0,3 ... 8	16 x 22	PP	4056815
D9RE2 VF (seals for acidic media)		1 : 50					4056810
D9RE5 AF (seals for alkaline media)	1 ... 5	1 : 100 ...	500 ... 9000	0,5 ... 8	20 x 27		4056830
D9RE VF (seals for acidic media)		1 : 20					4056835

Options:

Type:	Item number:
Product intake hose as viscous kit version	9156040
D9RE2 ...	
An optional by-pass switch is available, which allows the intake system to be switched on/off	
	9156045

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