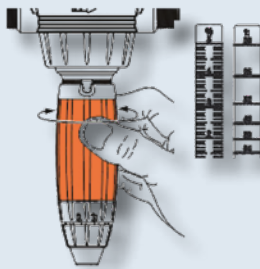


## DOSA *Tec* Proportional doser D07

Proportional dosing with external adjustment.



### Product description:

- Dosing range: 0.15–5.5 %
- Pressure range: 0.3–6 bar, depending on the model
- Water flow rate: 5–700 l/h
- Dosing feed rate: 0.0075–38.5 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance:  $\pm 5$  %
- Reproducibility:  $\pm 3$  % (API675)
- Pressure loss: 0.3–1.4 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- With built-in bypass switch
- 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* D07 Proportional doser, inclusive suction hose with filter, wall mount

### Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.225 l (1 cycle = 1 click)
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:
D07RE125 AF (seals for alkaline media)	0.15–0.25	1 : 666 to	5–700	0.3–6	6 x 9	PP (Polypropylene)	4056446
D07RE125 VF (seals for acidic media)		1 : 80					4056445
D07RE5 AF (seals for alkaline media)	0.80–5.5	1 : 128 to					4056441
D07RE5 VF (seals for acidic media)		1 : 1,18					4056443
D07RE125 AF (seals for alkaline media)	0.15–1.25	1 : 666 to				PVDF	4056448
D07RE125 VF (seals for acidic media)		1 : 80					4056447
D07RE5 AF (seals for alkaline media)	0.80–5.5	1 : 128 to					4056442
D07RE5 VF (seals for acidic media)		1 : 1,18					4056440

### Options:

Type:	Item number:
Product intake hose as viscous kit version.	9156040
Type:	
Hose connection:	
D07RE125 ...	12 x 16 mm
D07RE5 ...	

### 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
System separator BA BM015 R ½" AG	9156075
System separator BA BM020 R ¾" AG	915076
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