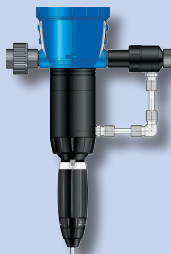
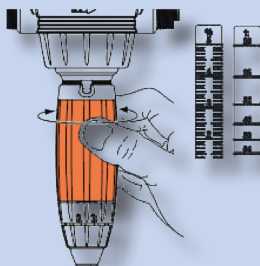
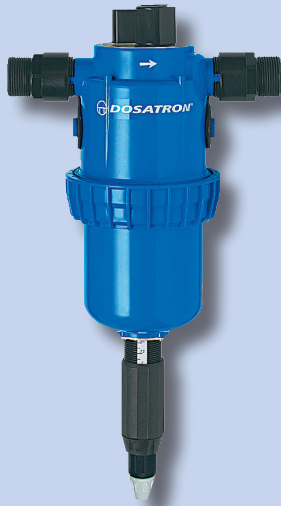


1.1.1.

DOSA Tec Proportional doser D45

Proportional dosing with external adjustment and integrated bypass.



Product description:

- Dosing range: 0.03–25 %
- 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: 0.2–2.3 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 | 200–800 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) | 0,03–0,1 | 1 : 3333 to 1 : 1000 | 100–4500 | 0,5–5 | 6 x 9 | PP | 4056700 | | |
| D45RE3000 VF (seals for acidic media) | | | | | | | 4056701 | | |
| D45RE15 AF (seals for alkaline media) | 12 x 16 | 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) | | 4056715 | | | | | | | |
| D45RE3 VF (seals for acidic media) | | 4056716 | | | | | | | |
| D45RE/3IE* AF (seals for alkaline media) | 20 x 27 | 1 : 200 to 1 : 33 | | | 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 | | | | | |
| D45RE3000 AF (seals for alkaline media) | 100–4500 | 0,5–5 | | 6 x 9 | | | PVDF | 4056740 | |
| D45RE3000 VF (seals for acidic media) | | | | | | | | 4056741 | |
| D45RE15 AF (seals for alkaline media) | | | 12 x 16 | | 4056745 | | | | |
| D45RE15 VF (seals for acidic media) | | | | | 4056746 | | | | |
| D45RE/15IE* AF (seals for alkaline media) | | | | | 4056750 | | | | |
| D45RE/15IE* VF (seals for acidic media) | | | | | 4056751 | | | | |
| D45RE3 AF (seals for alkaline media) | | | | 20 x 27 | 1 : 500 to 1 : 67 | 4056755 | | | |
| D45RE3 VF (seals for acidic media) | | | | | | 4056756 | | | |
| D45RE/3IE* AF (seals for alkaline media) | | | 1 : 200 to 1 : 33 | | | 4056760 | | | |
| D45RE/3IE* VF (seals for acidic media) | | | | | | 4056761 | | | |
| D45RE8 AF (seals for alkaline media) | | | | | | 3–8 | | 1 : 33 to 1 : 13 | 4056765 |
| D45RE8 VF (seals for acidic media) | | | | | | | | | 4056766 |
| D45RE/8IE* AF (seals for alkaline media) | 1 : 20 to 1 : 4 | 4056770 | | | | | | | |
| D45RE/8IE* VF (seals for acidic media) | | 4056771 | | | | | | | |

(*IE = with external injection)

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 |

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
10.04.2019

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

