

SPECIFICATIONS

ARTICLE

Designation : **Dosing pump D3**

Code bobet :

21620 : 0.2 to 2%

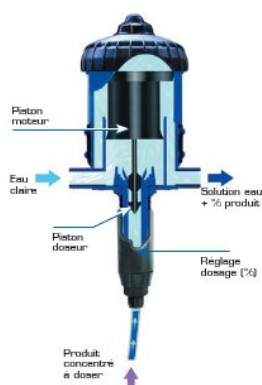
24320 : 0.5 to 5%

Selling Unit : **Unit**

Non-contractual pictures



CHARACTERISTICS



DOSING PUMP D3 RE 2

- Carter in filler-containing polypropylene and dosing seals recommended for alkalis
- Dosing technique : Non-electric proportional
- Energy source : Water flow and pressure

Integrated functions:

- Metering : volumetric hydraulic motor
- Injecting : continuous proportional injection of liquid or soluble concentrate
- Regulating : proportionality servo-controlled by the water flow
- Mixing : integrated mixing

Package contents : 1 dosing pump D3, 1 wall bracket, 1 Suction tube and 1 manual of instruction

PERFORMANCE :

- Injection range : 0.2 – 2 % (code 21620) and 0.5 to 5% (code 24320)
- Water flow range : 10 l/h - 3 m³/h [0.16 l/mn - 50 l/mn]
- Working pressure : 0.3 - 6 bars
- Concentrated additive injection : 0.003 - 300 l/h

WORKING PRINCIPLE :

Installed directly in the water supply line, the dosing pump operates by using the water flow as the power source. The water activates the dosing pump, which takes up the required percentage of concentrate directly from the container and injects it into the water. Inside the dosing pump, the concentrate is mixed with the water, and the water pressure forces the solution downstream. The dose of concentrate will be directly proportional to the volume of water entering the dosing pump, regardless of variations in flow or pressure, which may occur in the main line.

PROPORTIONAL INJECTION EXTERNALLY ADJUSTABLE

The injection rate is set by lining up the top of the adjusting sleeve with the desired ratio on the scale. The amount of injected concentrate is proportional to the amount of water coming into the dosing pump.
i.e. Adjustment at 1% = 1 :100 = 1 Volume of concentrate + 100 Volumes of water.

APPLICATION :

Markets : Environment, Hygiene, Water treatment, Vehicle wash, Metal processing, Food processing, Graphic Arts, Horticulture...

Principal applications : Disinfecting, Cleaning, Fertigation, Phytosanitation, Lubrication, PH/TH Correction, Sanitation, Flocculation, Vehicle washing...

INSTALLATION :

Regulations : Refer to local water regulations, before installing your dosing pump.

To optimize your dosing pump, we advise to :

- Install a filter (300 mesh [60 microns]) upstream, depending on your water quality.
- Change the dosing seals at least once a year.
- Rinse as often as possible with clear water.
- Turn off the water supply and allow the pressure to drop to zero before adjusting the injection rate.
- Install necessary protections for excess flow, excess pressure and water hammer (anti-hammer flow/pressure device).
- In installations where a risk of siphoning exists, it is advisable to place an anti-siphon downstream of the metering valve
- Install your dosing pump on a total by-pass line.

Characteristics	Data
Maximum operating water temperature	40°C [104°F]
Minimum operating water temperature	5°C [41°F]
Dosing rate	ex. adjustment at 1 % = 1 : 100 = 1 V concentrate + 100 V water
Average dosing accuracy	+/- 10 %
Repeatability	+/- 3 % (Standard API 675)