A unique technology associating all dosing functions

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 Dosatron, 1 wall bracket,
1 Suction tube 175 cm [69”],
1 Owner’s manual

SPECIFICATIONS

- Injection Range: 0.07 – 10 %  
  [1 : 1500 - 1 : 10]
- Water flow range*: 10 l/h - 2.5 m³/h **  
  [0.16 l/min - 41.66 l/min]
  [1/3 US Pint/min - 11 US GPM]
- Operating pressure: 0.3 - 6 bar **  
  [4.3 PSI - 85 PSI]
- Concentrated additive injection: 0.007 - 200 l/h  
  [0.004 US Fl oz/min - 0.88 US GPM]

*For other fluids than water, please contact us
**D 25 RE 10: see on the back
Operating principle

Installed directly in the water supply line, the Dosatron operates by using the flow of water as the power source. The water activates the Dosatron, which takes up the required percentage of concentrate directly from the container and injects it into the water. Inside the Dosatron, 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 Dosatron, 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 Dosatron. i.e. Adjustment at 1% = 1 : 100 = 1 Volume of concentrate + 100 Volumes of water.

The 2.5 m³/h range

Other product lines available to treat water flows up to 0.7 m³/h, 1.5 m³/h, 4.5 m³/h, 8 m³/h, 20 m³/h, 30 m³/h, 60 m³/h. For special models, accessories and particular systems: please consult us.

Specifications

General
- Maximum operating water temperature: 40° C [104° F]
- Minimum operating water temperature: 5° C [41° F]
- Dosing rate: i.e. Adjustment at 1% = 1 : 100 – 1 V concentrate + 100 V water
- Average dosing accuracy: +/- 5 % (Charts on demand)
- Repeatability: +/- 3 % (API standard)
- Pressure loss: 0.3 - 1.9 Bar [3.3 - 27 PSI] depending on models and operating conditions (Charts on demand)

Other integrated functions
- Internal motor filter: no
- Inlet/outlet: 3/4” M: BSP-NPT Ø 20 x 27 mm
- Built-in by-pass: option
- Built-in airbleeder: yes
- Built-in anti-siphon device: no
- Cleaning-in-place: no
- Mixing chamber: integrated
- Built-in anti-hammer device: no
- Dosing plunger: simple effect, injection internal at the inlet
- Injection check valve: internal at the inlet, spring-loaded conical valve
- Dosing hose: PVC
- Dosing pump: motor driven
- Motor capacity: 0.45 L [0.118 US gallons]
- Injection chamber: (1 cycle, for every 2 clicks)
- Motor: Built-in anti-siphon device
- Built-in bypass: option
- Inlet/outlet: 3/4” M: BSP-NPT Ø 20 x 27 mm
- Internal motor filter: no
- External motor filter: no
- Maximum viscosity of concentrate: 400 cPs at 20°C [68°F] - V kit
- Suction: 4 m [13 ft]
- Dosing rate: i.e. Adjustment at 1%
- Internal motor: hydraulic piston
- Maximum pressure: 6 bar
- Maximum temperature: 40° C [104° F]
- Maximum suction of the concentrate: 4 m [13ft]
- Maximum vertical or horizontal distance: 300 cm [118 inches]
- Strainer: yes – foot strainer with weight
- Dosing integral functions: no
- Compression set: +/- 2 %
- Installation: Screw plug

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Markets
- Environment – Hygiene – Water treatment – Vehicle wash – Metal processing – Graphic Arts – Horticulture – Livestock...
- Principal applications
- Installation
- Regulators: Refer to local water regulations, prior to installing your Dosatron.
- To optimize your Dosatron, we advise you 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).
  - Install your Dosatron on a total by-pass line.
  - For all other installation advice, please consult us.
- Size
  - Package size: 52 x 16.8 x 17.5 cm [20 1/2” x 6 5/8”x 6 7/8”]
  - Package weight: 1.7 kg [3.7 lbs]

Standard material
- Housing: polyetal, HT
- Motor Piston: polypropylene, polyamide, stainless steel, VF or HT, polyazetel
- Injection area: polypropylene, polyethylene, hastellox (check valve spring)
- Injection hose: PVC

Available options
- [■] Option [●] Standard [●] not available or not necessary for this model
- Optimized compatibility
  - All recommended seals for alkaline concentrate
  - VF: Recommended seals for acid, oil, odor- or pest control concentrates
  - PVD: Housing
  - IE: Hastellox plunger rod
  - IE: External injection
  - V: Kit for viscous concentrate
  - Injection hose: Special material hose and foot strainer available

Optimized installation
- [■] BP: Integrated by-pass
- [■] Other fittings
- [■] Strap
- [■] Other: please contact us

These options allow adapting your Dosatron to your needs. Contact our technical service to help determine what option you may need.

Each Dosatron unit is factory tested and registered.

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