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, 1 Owner’s manual.

SPECIFICATIONS
- Injection Range:
  0.2 - 5 %*  
  [1 : 500 - 1 : 20]
- Water flow range**:
  500 l/h - 8 m³/h  
  [8.33 l/min - 133.3 l/min]  
  [2.2 US GPM - 40 US GPM]
- Operating pressure:
  0.15 - 8 bar  
  [2 PSI - 110 PSI]
- Concentrated additive injection:
  1 l/h – 400 l/h*  
  [0.56 US fl oz/min - 0.70 US GPM]

* Depending on model (see on the back)
** For operating unit with other fluids than water, please contact us
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 down 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 into 100 Volumes of water.

The 8 m³/h range

<table>
<thead>
<tr>
<th>REF.</th>
<th>DOSAGE</th>
<th>PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 8 RE 2</td>
<td>0.2 - 2 %</td>
<td>0.15 - 8 bar</td>
</tr>
<tr>
<td>D 8 RE 5</td>
<td>1 - 5 %</td>
<td>0.15 - 8 bar</td>
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</tbody>
</table>

Available options

- Install necessary protections for excess flow, excess pressure before adjusting the injection rate.
- Rinse as often as possible with clear water.
- Change the dosing seals once a year.
- Install a filter (300 mesh [60 microns]) upstream, depending on your water quality.
- Refer to local water regulations, prior to installing your Dosatron.
- To optimize your Dosatron, we advise to:
  - Install a filter (300 mesh [60 microns]) upstream, depending on your water quality.
  - Change the dosing seals 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.

Optimized installation

BP: by-pass
Other fittings
Strap
Support legs
Other: please contact us

Size:

- Package size: 67 x 22.5 x 20.5 cm [26/3/8 x 8/7/8 x 8/11/16]
- Package weight: ~ 5.5 kg (~ 12.15 US lbs)

Markets


Principal applications:


Installation

Regulations: Refer to local water regulations, prior to installing your Dosatron.

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Optimized compatibility

- Recommended seals for alkaline concentrate
- VF: Recommended seals for acids, oils, colour-or pest control concentrates
- K: for highly concentrated acids (> 15 %)
- PVDF: Housing
- IE: External injection
- V: Kit for viscous concentrate
- Injection hose: Special material

Available options

- Option
- standard
* : not available for this model

Standard material

Housing: Special polypropylene, HT
Motor piston: polyurethane, nylon, EPDM, polyacetal
Injection area: polypropylene, polyethylene, hastelloy (check valve spring)
Injection hose: PVC or polyethylene

Customer service - service clientèle

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