



DOSATRON®

WATER POWERED DOSING TECHNOLOGY

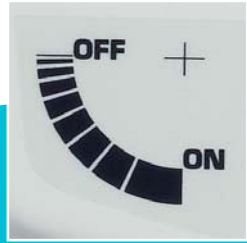
HU1 system

Hygiene Unit HU1

TECHNICAL DATA

- Injection range:
0.07 - 10 % depending on the model
[1 : 1500 - 1 : 10]
- Water flow range*:
100 l/h - 2 m³/h
[1.66 - 33.33 l/mm]
[4.4 - 9 US GPM]
- Operating pressure:
1 - 6 bar [14.5 - 85 PSI]
depending on the model
- Maximum operating temperature:
40° C [104° F]
- Minimum operating temperature:
5° C [41° F]

* For other fluids than water, please contact us.



A unique technology associating all dosing functions

Dosing Technique:

Non-electric proportional

Energy source:

Water flow and pressure

Package contents:

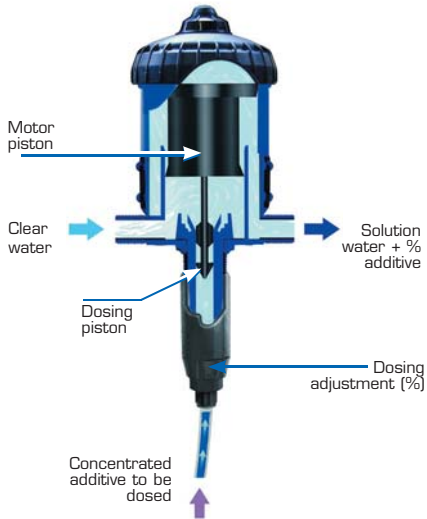
1 HU1 equipped with: 1 Dosatron water powered proportional dosing unit; 1 ABS-wall case; 1 shut-off valve; 1 anti-pollution disconnector, BA type (Standard EN1717); 1 stainless steel support for 2 drums of 5 l or 1 drum of 10 l; 1 transparent suction hose, length 175 cm [69"], diameter 6 x 9 mm (1/4" id x 3/8" od); 1 instruction and maintenance manual; 1 protection cap for drum orifice; 1 filling kit composed of hose (180cm [70"]) + anti-drop nozzle.



HU1

Operating principle

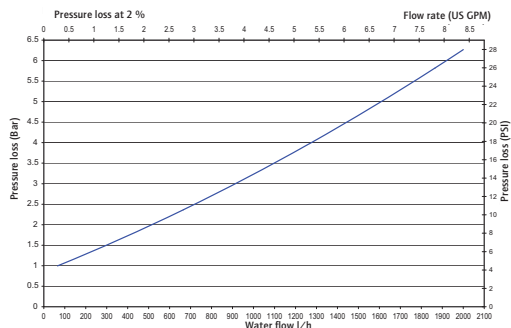
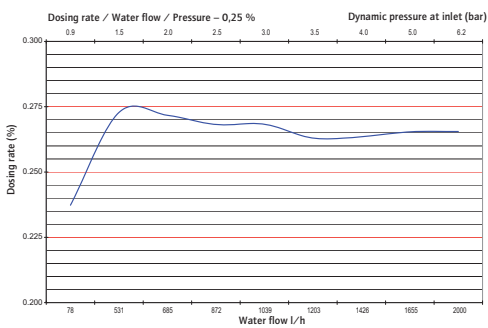
Installed directly in the water supply line, the Dosatron operates by using the flow of water as the power source. The water activates the Dosatron, which takes up the required percentage of concentrate directly from the container and injects it into the water. Inside the Dosatron, the concentrate is 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.



HU1 Hygiene Unit equipped with a Dosatron Dosing Unit

REF.	DOSING RATE	MAXIMUM PRESSURE
FIXED DOSING RATE		
D 25 F	0.8 %	6 bar
D 25 F 1	1 %	6 bar
D 25 F 02	0.2 %	6 bar
D 25 F 2	2 %	6 bar
ADJUSTABLE DOSING RATE		
D 25 RE 1500	0.07 - 0.2 %	6 bar
D 25 RE 09	0.1 - 0.9 %	6 bar
D 25 RE 2	0.2 - 2 %	6 bar
D 25 RE 5	1 - 5 %	6 bar
D 25 RE 10*	3 - 10 %	4 bar

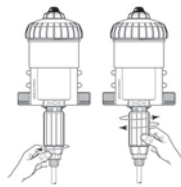
* flow limited to 2m³/h



Specifications

Main applications	
- Cleaning – Disinfection / Decontamination: 1 - floors, surfaces / instrumentation: filling of atomizers, buckets, soaking basins etc. ... 2 - medical equipment: dosing into the water supply of automated endoscope reprocessors, of dialysers, of water networks etc. ... 3 - catering premises: spray application (with spray gun, hose reel etc. ...)	
General	
- Dosing rate	i.e. adjustment at 1 % = 1 : 100 = 1 V concentrate + 100 V water
- Inlet / outlet connections	½" male: BSP Ø 15 X 21 mm
- Self priming	yes
- Maximum concentrate viscosity	400 cSt at 20 °C [68°F]
- Maximum suction height or length	4 m [13 ft]
Dosing technique	
Dosatron non-electric proportional dosing unit	
Functions	
2 positions of the lever with 1 function each	Dosing (water + concentrate) Stop (stopping of the system)

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.

Installation:

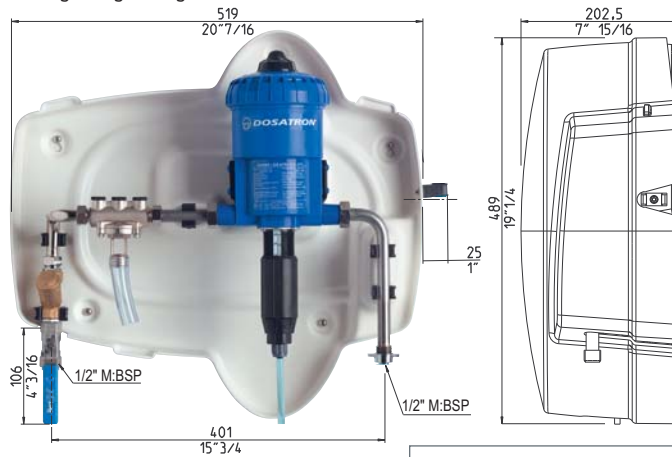
Standards: Refer to local water regulations, prior to installing your HU1 to the drinking water network.

To optimize your Dosatron, we advise to:

- install a filter (60 micron [300 mesh]) upstream, depending on your water quality.
 - change the dosing seals once a year.
 - rinse as often as possible with clear water.
 - turn of the water supply and allow the pressure to drop to zero before adjusting the dosing rate.
 - install necessary protections for excess flow, excess pressure and water hammer (flow restrictor, pressure limiter, accumulator, anti-water hammer valve, anti-siphon device).
- For all other installation advice, please consult us.

Dimensions :

- Package size: 59 x 55 x 20 cm
- Package weight: 7 kg



Available options

(■ : Option ● : standard)

Optimized compatibility

- AF: recommended seals for alkaline concentrates
- VF: recommended seals for acid concentrates
- PVDF: housing
- Suction hose: special material for hose and strainer available



Dosatron with PVDF housing, recommended for dosing aggressive concentrates (please consult us!)

Optimized Installation

- BA disconnecter
- Other: Please contact us!

These options allow adapting your Dosatron to your needs. Our Technical Department will assist you in determining which option you need.

Dosatron, a complete range

Dosatron develops, manufactures and markets a complete range of dosing systems for hygiene applications that allow any liquid or soluble concentrate to be continuously injected and mixed with water.

HU1 accessories

- HU1 filling kit [ACH]
- HU1 spray gun [CMP063]
- Other: Please contact us!

Each Dosatron is factory tested.

CUSTOMER SERVICE - SERVICE CLIENTÈLE

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FT/HU1 - EV/04/09