



WATER-POWERED CHEMICAL PROPORTIONERS FOR



# Vehicle Wash



## **DOSATRON®**

*WATER POWERED DOSING TECHNOLOGY*



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# Set It and Forget It

## There are no Venturi tips to deal with!

The frustration of being stuck between tips sizes and clogged tips is over. Dosatron has a large chemical well that adjusts to what YOU need and will never clog!

There is no need for electricity or air. Dosatron is powered by city or boosted water pressure. And, because it will work off city pressure, you can still wash cars even if your water booster pump fails!

The Dosatron mixed chemical discharge is plumbed directly to the arch or foamer. There is no longer a need for air diaphragm pumps that freeze up on your busiest days.

The metal free piston is corrosion resistant regardless of high, or low, pH. Its space saving design, and direct on demand mixing, eliminates mixed chemical tanks and mixed chemical pumps!

- Compact Size
- Water-powered
- NO venturi tips
- Simple to use
- Easy to adjust allowing for flexible dosage rates
- Easy to maintain saving you time and effort





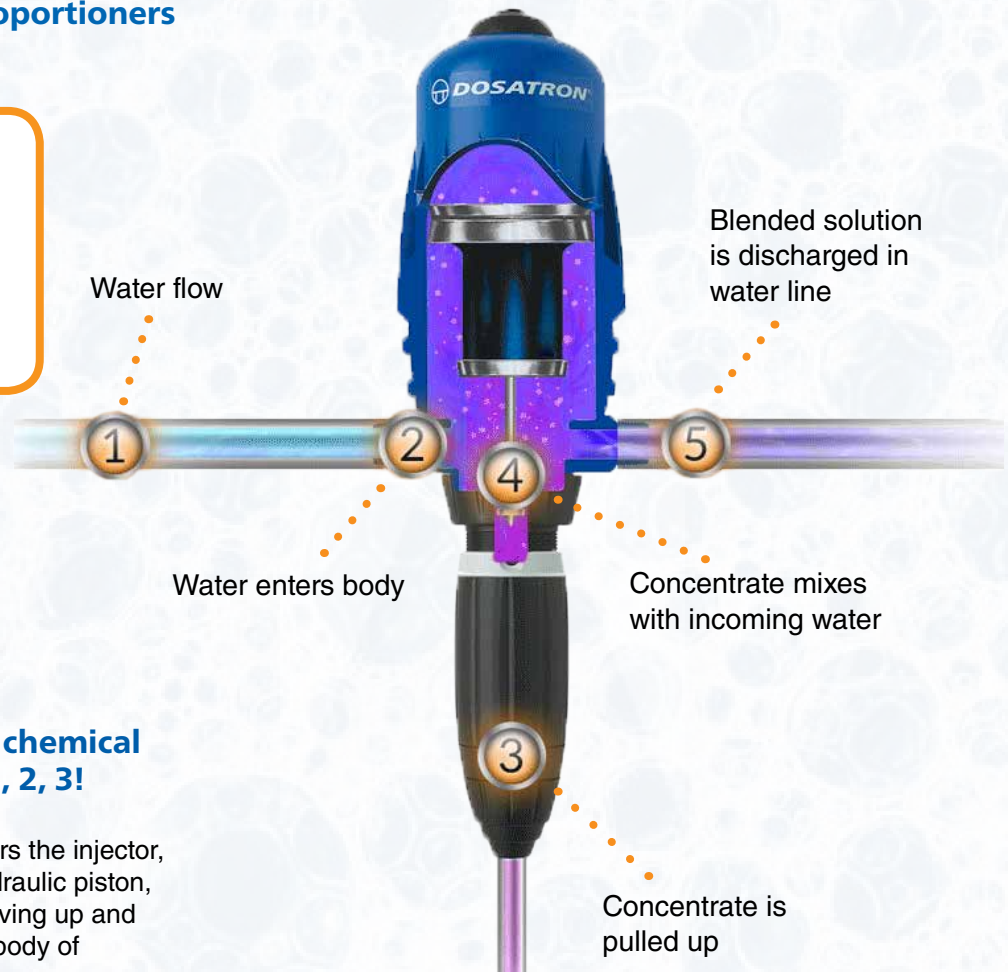
# Here's How It Works

Dosatron chemical proportioners compensate for flow and pressure changes providing consistent, repeatable results and because they are water-powered there is no need for electricity.

Dosatrons are the perfect, chemical proportioners for vehicle wash applications. They are simple to use and easy to adjust, allowing for flexible dosage rates. And they are easy to maintain, saving you time and effort!

## Dosatron Chemical Proportioners Accurately Inject:

- Presoaks
- Detergents
- Polishes/Waxes
- Bug Remover
- Drying Agents



## Mixing the water and chemical mixture is as easy as 1, 2, 3!

- 1** When water enters the injector, it triggers the hydraulic piston, which begins moving up and down inside the body of the injector.
- 2** As it strokes, the Dosatron draws fluid up from the concentrate tank in an action similar to a hypodermic syringe.
- 3** The concentrate is then displaced into the mixing chamber, where it is mixed with the water flowing through the unit.

Scan the QR code to see how it works



# Helpful Suggestions

## Foaming Chemicals

**Dosatron offers consistent dilution, regardless of variations in pressure and flow**, but as the unregulated water pressure varies, the air to chemical pressure ratio at the foam generator will also vary, causing the foam “density” to change from wet to dry and back again.

When operating your Dosatron directly from city water pressure, installing the water pressure regulator and setting it 1 - 2 PSI below the lowest your water pressure drops will allow for an unvarying air-to-chemical pressure ratio at the foam generator.

This will also allow you to control the “density” of the foam and eliminate “spitting” at the arch by a simple adjustment of the air pressure to the foamer.

## Decreasing Cost Per Car

**Reduce your cost by reducing both your chemical and water usage.**

With the ball valve installed on the water supply side of the Dosatron, open the ball valve wide open and observe the coverages of the mixed chemical on the car.

If the coverage is adequate, close the ball valve slightly and check the coverage again. Continue this procedure until you see sufficient coverage on the car without “flooding” the surface and using unnecessary water and chemical.

For example: if you are diluting drying agent through a Dosatron and you find the best “break” on the cars surface is at 400:1, lock the adjustment there.

If, with the ball valve wide open, the drying agent arch is flowing at 3 GPM and you are able to reduce the flow to 1.5 GPM by closing the ball valve and you are still getting sufficient coverage on the car, you have effectively reduced the amount of chemical and water used on each car by half!

**Doing this gives you REAL water and chemical savings you can measure and see!**

Remember, your Dosatron will provide consistently mixed chemical regardless of the flow.







# Recommended Car Wash Proportioners

Dosatron's are a perfect fit for presoaks, detergents, and acidic products. The water-powered Dosatron provides accurate car wash chemical dispensing while cutting your cost-per-car.

Dosatron's volumetric proportioning dosing method automatically compensates for changes in water pressure or flow, producing a consistently-homogenous chemical mixture. This means that your chemical dilution rate stays the same regardless of pressure and flow changes, leading to a consistent clean you can count on.

## Suggested Car Wash Units

DOSATRON CHEMICAL PROPORTIONERS				
MODEL	D14MZ2 VFDII	D14MZ5 AFDII	D14MZ10 AFDII	D14MZ3000 VFDII
FLOW RANGE	0.05 - 14 GPM	0.05 - 14 GPM	0.05 - 14 GPM	0.05 - 14 GPM
DILUTION RANGE	500:1 - 50:1	200:1 - 20:1	100:1 - 10:1	3000:1 - 333:1
PRESSURE RANGE	4.3 - 85 PSI	4.3 - 85 PSI	7 - 85 PSI	4.3 - 85 PSI
CONNECTIONS	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT

Maximum temperature: 104°F

All units include: mounting bracket, suction hose, weighted strainer, and quick start guide.




Scan the QR  
code for more  
information on  
Vehicle Wash.





# Truck Wash

Suggested Large Vehicle or High Volume Units

DOSATRON CHEMICAL PROPORTIONERS			
MODEL	D8RE3000VFII	D8RE2VFII	D8RE5AFII
FLOW RANGE	2.2 - 40 GPM	2.2 - 40 GPM	2.2 - 40 GPM
DILUTION RANGE	3000:1 - 800:1	500:1 - 50:1	100:1 - 20:1
PRESSURE RANGE	2.2 - 116 PSI	2.2 - 116 PSI	2.2 - 116 PSI
CONNECTIONS	1 1/2" NPT	1 1/2" NPT	1 1/2" NPT

Maximum temperature: 104°F

All units include: mounting bracket, suction hose, weighted strainer, and quick start guide.



Call or CHAT  
for a quote

800-523-8499

[www.dosatronusa.com](http://www.dosatronusa.com)

800-523-8499 • 727-443-5404

# Pre-Plumbed Panel Systems

Make your installation easy with Dosatron's custom panel installations. Our pre-plumbed systems include all the necessary accessories mounted on either aluminum diamond plate or black polypropylene panels.

## Triple Panel

- 3 Dosatron Proportioner units
- Filter
- Water and Air Solenoid Valves
- Pressure Regulators with Gauges



## Single Panel

- 1 Dosatron Proportioner unit
- Water and Air Solenoid Valves
- Pressure Regulator with Gauge
- Filter

Part #: PSD6A138



## Self-Service Single Panel

- 1 Dosatron Proportioner unit
- Liquid Solenoid Valve Manifold
- Pressure Regulator with Gauge
- Filter

Part #: Call 1-800-523-8499  
for specific part #.



# Accessories

Recommended accessories for your Dosatron Proportioner. Please note, for installation on all water systems, you must conform to all state, local, and federal laws concerning the use of chemical injection devices for back flow prevention.

## Required Accessory

### Filter - Part #: AKF5AP11T

T-Type, 200 Mesh/80 Micron filter, 3/4" FNPT, polypropylene, industrial grade. Includes a cleanable, permanent, stainless steel filter. No replacement cartridges necessary.



## Optional Accessories



### Check Valve - Part #: CV34-PH

3/4" check valve allows flow to go in one direction. Polypropylene hastelloy.

### Solenoid Valve - Part #: SV034P-24-G

3/4" chemical resistant solenoid valve, molded single piece. Polypropylene. 24 V or 120 V.



### Pressure Regulator - Part #: PR34

3/4" pressure regulator with gauge. Chrome plated brass body with 2" face.



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# Accessories

## Optional Accessories

### Dosa-Lock Lockout Device - Part #: Dosa-Lock

Protects unauthorized access to your Dosatron settings. Includes lock and key set. Made of high impact strength polypropylene.



### Bucket Stacker - Part #: BS5

Provides easy access to the chemical in the bottom bucket allowing you to draw solution from two different buckets, but only using the footprint of one 5-gallon bucket.



### Pro HM Digital EC Meter - Part #: COM-100



Easily measures conductivity, TDS, and temperature of water.

### EC Calibration Solution - Part #: CP-1000

Ready-to-use, individual liquid packets for optimized calibration.



### Pro HM Digital pH Meter - Part #: PH-200



Easily measures pH and temperature of water.

### pH Storage Solution - Part #: PH-STOR

Keeps probe balanced, contains fungicide and helps probe last longer.



### pH Calibration Solution - Part #: PH-P7

Makes calibration easy with ready-to-use pH liquid packets.



Note: Dosatron units sold separately.



# Connect



**800-523-8499**

Give us a call and we will be glad to answer any of your questions or take your order.



**CHAT**

It's easy to CHAT at [www.dosatronusa.com](http://www.dosatronusa.com). Just enter your question and we will be glad to assist.

## For Technical Advice Contact Our Vehicle Wash Specialists



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