

DOSATRON®

WATER POWERED DOSING TECHNOLOGY

METAL WORKING

Dosatron Coolant Mixers

The Dosatron coolant mixer is mounted above the fluid concentrate container. Installed directly into the water supply line, the Dosatron operates by using the flow of water as the power source.

When the water is turned on, it travels into the Dosatron housing on the inlet side, which activates the piston and causes the syringe-like plunger at the bottom of the piston to travel up and down in the cylinder (see diagram).

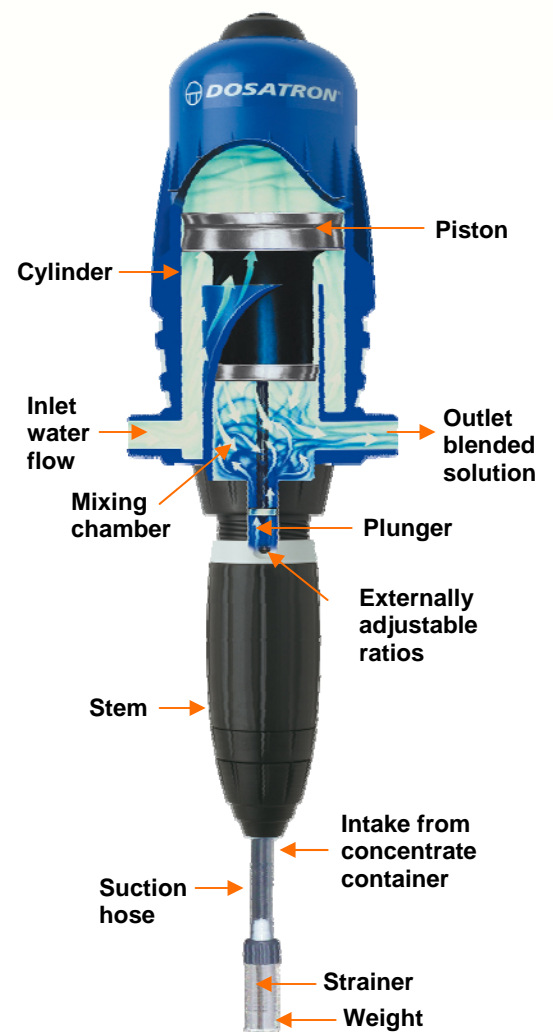
On the upstroke of the piston, the plunger creates a vacuum, drawing the concentrated fluid into the lower stem from the suction hose. On the down stroke, the plunger displaces the concentrate into the mixing chamber, where it mixes with the clear water, creating a blended solution on the outlet side.

Unlike venturi or electric injectors, 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.

The adjustable stem allows the operator to dial in the desired setting and fine-tune it as necessary.

IDEAL FOR DISPENSING:

- Coolants
- Vibratory Compounds
- Die Lubes
- Detergents / Cleaners
- Rust Inhibitors



**PRE-PLUMBED PANELS
AND LOCKING CABINETS
ARE AVAILABLE.**

800-523-8499
www.dosatronusa.com

Units

D14MZ2



D45RE3



D8R150



D07RE5

Unit Specifications

D14 Series

Housing material: **POLYPROPYLENE** • Dimensions: 19 1/8" X 6 5/16" • Weight: 6 lbs
Connections: 3/4" Male NPT • Max Temp: 104 °F

Recommended Accessory Kit: Industrial Plumbing Kit IPK34 - 14 GPM

Model	Dilution Range	Percentage	Flow Range	Pressure Range
D14MZ2	1:500 to 1:50	0.2% to 2%	0.05 to 14 GPM	4.3 to 85 PSI
D14MZ5	1:200 to 1:20	0.5% to 5%	0.05 to 14 GPM	4.3 to 85 PSI
D14MZ10	1:100 to 1:10	1% to 10%	0.05 to 14 GPM	7 to 85 PSI
D14MZ520*	1:20 to 1:5	5% to 20%	0.05 to 9 GPM	7 to 57 PSI

*Dimensions: 26 1/8" x 6 5/16" • Weight 8.8 lbs

D45RE Series

Housing material: **POLYACETAL** (Standard) or **PVDF** (Optional)
Dimensions: 24" X 7.5" • Weight: 8 lbs • Connections: 1" Male NPT • Max Temp: 104 °F

Recommended Accessory Kit: Industrial Plumbing Kit IPK100 - 20 GPM

Model	Dilution Range	Percentage	Flow Range	Pressure Range
D45RE3	1:200 to 1:33	0.5% to 3%	0.4 to 20 GPM	7 to 70 PSI
D45RE8	1:33 to 1:12	3% to 8%	0.4 to 20 GPM	7 to 70 PSI

D8R Series

Housing material: **POLYACETAL** (Standard)
Dimensions: 23" X 12" • Weight: 12 lbs • Connections: 1-1/2" Male NPT • Max Temp: 104 °F

Model	Dilution Range	Percentage	Flow Range	Pressure Range
D8R150	1:100 to 1:20	1% to 5%	2.20 to 40 GPM	2 to 110 PSI

D07RE Compact Series

Housing material: **POLYACETAL** (Standard) or **PVDF**
Dimensions: 10" X 4.5" • Weight: 2 lbs • Connections: 3/4" Male NPT • Max Temp: 104 °F

Recommended Accessory Kit: Industrial Plumbing Kit IPK34 - 3 GPM

Model	Dilution Range	Percentage	Flow Range	Pressure Range
D07RE5	1:128 to 1:18	0.8% to 5.5%	0.02 to 3 GPM	4.30 to 85 PSI
D07RE125	1:667 to 1:80	0.15% to 1.25%	0.02 to 3 GPM	4.30 to 85 PSI

All units include: mounting bracket, suction tube, strainer and weight.
Please review the basic installation drawing for recommended accessories.
Industrial Plumbing Kits (IPKs) are available. See specific unit for details

MAXIMUM TEMPERATURE: 104 °F

To order or for information call
800-523-8499

Not sure what unit fits your needs?
Give us a call for unit recommendations.

Customer Service

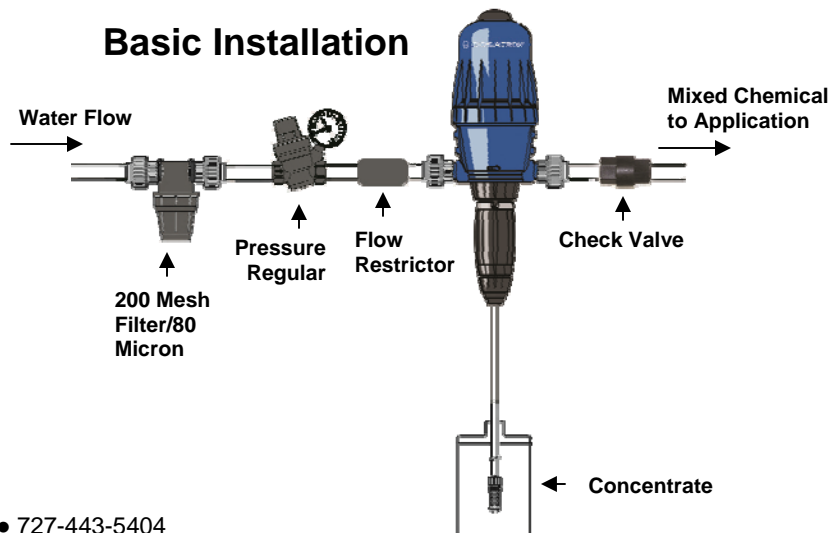
At Dosatron, we stand behind our units. Our world-class customer service team is always ready to assist you with service and support, for as long as you own your Dosatron.



Preventive Maintenance Program

Sign up at www.dosatronusa.com/pm.

Basic Installation



DOSATRON®

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