



# **DOSATRON®**

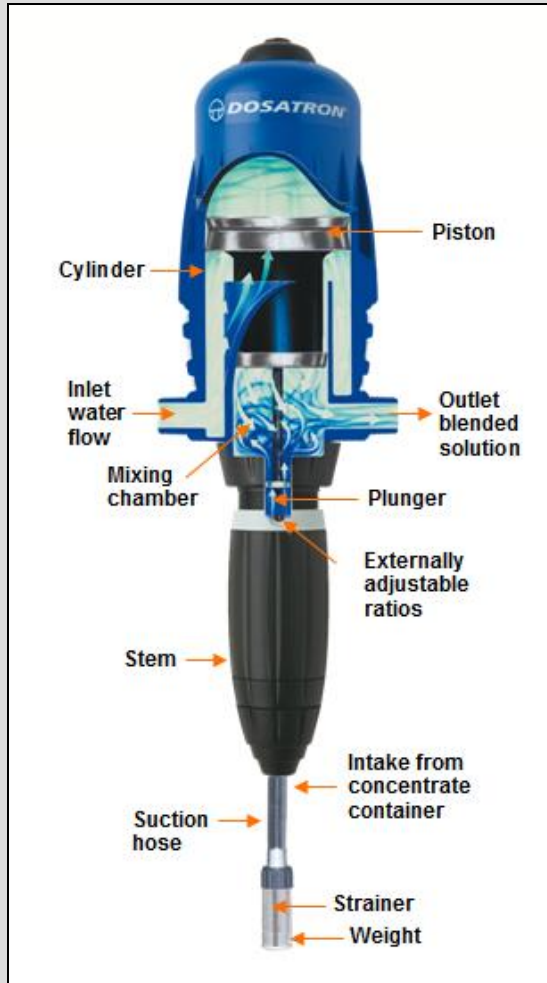
*WATER POWERED DOSING TECHNOLOGY*

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## **Coolant Mixers**

# Operating Principle



The Dosatron coolant mixer is mounted above the fluid concentrate container. Installed directly into the central coolant distribution system, 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.



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# Features

- Ideal for overhead centralized coolant distribution systems
- Non electric, water-powered
- Units operate on positive displacement principle
- Concentrate is directly proportional to the volume of water
- Homogenous mixing occurs inside the unit
- Force of water pushes the blended solution downstream



# Unit Specifications



## **D14MZ5**

Dilution Range:  
0.5% to 5%

Water Flow Range:  
0.05 to 14 GPM

Water Pressure Range:  
4.3 to 85 PSI

Connection:  
3/4" NPT

Dimensions:  
19 1/8" X 6 5/16"

Hook-Up Kit:  
IPK34-14GPM



## **D14MZ10**

Dilution Range:  
1% to 10%

Water Flow Range:  
0.05 to 14 GPM

Water Pressure Range:  
7 to 85 PSI

Connection:  
3/4" NPT

Dimensions:  
19 1/8" X 6 5/16"

Hook-Up Kit:  
IPK34-14GPM

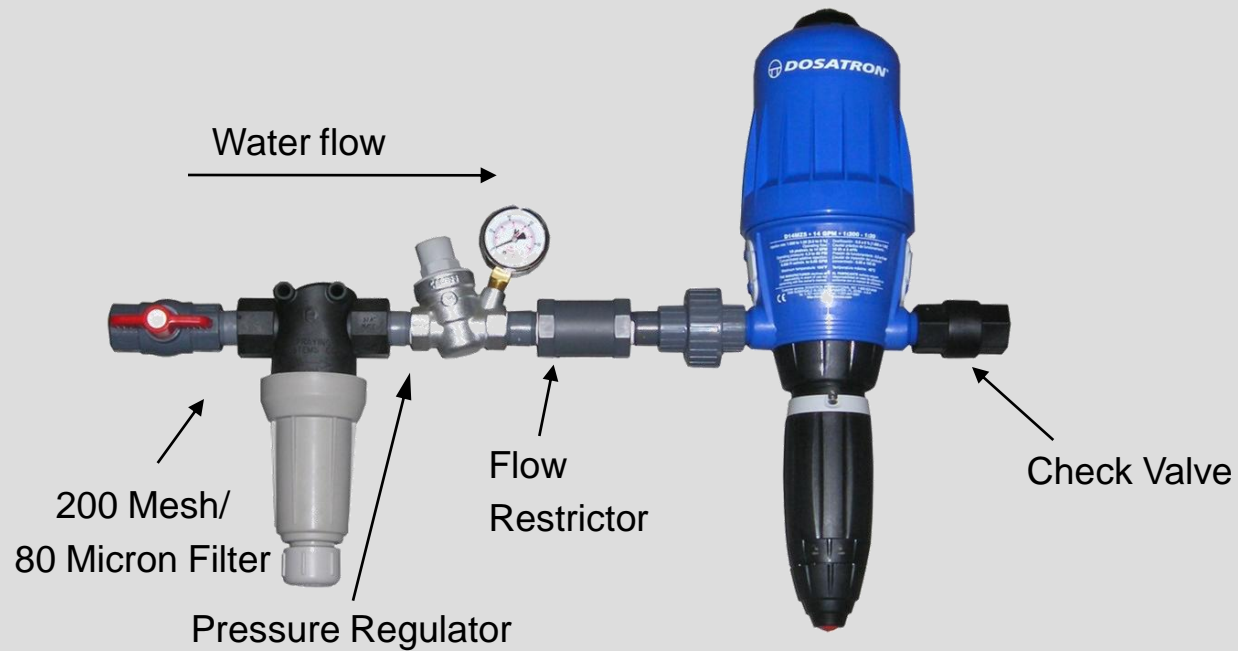


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# Recommended Installation

## Standard Installation with Hook-Up Kit



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# Maintenance

## Seal Kits

Annual seal kit changes will insure that the Dosatron Mixer is working correctly

D14MZ5	PJDI120
D14MZ10	PJDI122

