



FLUID-POWERED DOSING PUMPS FOR **Irrigation**

FERTILIZERS/NUTRIENTS

WATER TREATMENT

PESTICIDES

PH CONTROL



DOSATRON®

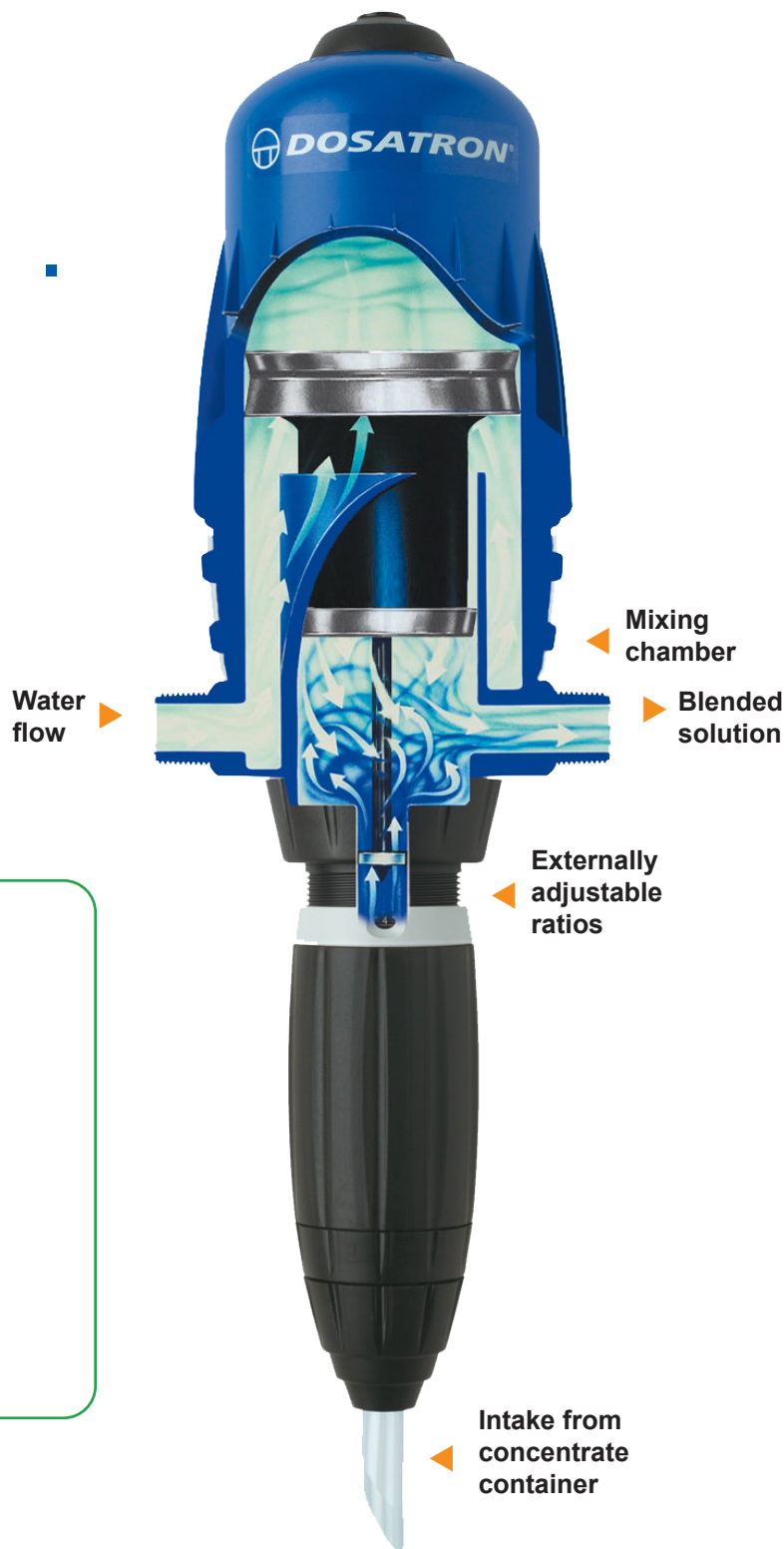
An Ingersoll Rand Business

Here's How It Works . . .

The Dosatron pulls up solution like a syringe, drawing in the concentrate with the plunger. On the down stroke, the concentrate is displaced into the body of the Dosatron, where it mixes with the incoming water. Then just the right amount of fertilizer is discharged into the water line.

Dosatron fertilizer injectors are:

- Water-powered, non-electric
- Accurate regardless of variations in flow and pressure
- Easy to adjust
- Consistent with low pressure loss and provide a precisely blended solution



HOW IT WORKS

800-523-8499 • www.dosatronusa.com

The Dosatron Difference

Dosatron units feature superior engineering to create the most durable, easy-to-use, low-maintenance product on the market. We manage your chemical application through repeatability, regardless of fluctuations in pressure or flow. Dosatron also supports you every step of the way with world-class customer service. Trust only genuine Dosatron products.

Dosatron Injectors Accurately Inject:

- | | |
|--|---|
| ■ Fertilizers | ■ Chlorine |
| ■ Nutrients | ■ Insecticides |
| ■ Organics | ■ Fungicides |
| ■ Beneficials | ■ Algicides |
| ■ Fish Emulsion | ■ Acids |
| ■ Teas | ■ Wetting Agents |
| ■ Herbicides | ■ Sanitizers (special models available) |
| ■ Plant Growth Regulators (PGRs) for Drenching | ■ Nematodes |



flowers to food

greenhouse to field



11 GPM

■ D25F1

Ratio: Fixed at 1:100

■ D25RE2

Ratio: 1:500 to 1:50

■ D25RE09

Ratio: 1:1000 to 1:112

Pipe Size: 3/4" NPT

Size: 14" high x 6 1/4" wide

Weight: 4 lbs

Bypass: Optional



14 GPM

■ D14MZ2

Ratio: 1:500 - 1:50

Pipe Size: 3/4" NPT

Size: 19 1/8" high x 6 5/16" wide

Weight: 6 lbs

■ D14MZ10

Ratio: 1:100 to 1:10

Pipe Size: 3/4" NPT

Size: 19 1/8" high x 6 5/16" wide

Weight: 6 lbs

■ D14MZ3000

Ratio: 1:3000 to 1:333

Pipe Size: 3/4" NPT

Size: 21" high x 6 5/16" wide

Weight: 6 lbs



100 GPM

■ D20S

Ratio: 1:500 to 1:50

Pipe Size: 2" NPT

Size: 55" high x 15" wide (with legs)
42" high x 15" wide (no legs)

Weight: 47 lbs

Bypass: Standard



Accessories included:

Mounting bracket or legs, suction hose with weighted strainer, and operating manual.

Recommended:

- 200 mesh filter
- check valve
- pressure regulator
- flow restrictor
- water hammer arrestor kits

9 GPM

■ D14MZ520

Ratio: 1:20 to 1:5

Pipe Size: 3/4" NPT

Size: 26 1/8" high x 10 1/4" wide

Weight: 8.8 lbs

Bypass: Optional



DOSATRON INJECTORS

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20 GPM

■ D45RE15

Ratio: 1:500 to 1:66

Pipe Size: 1" NPT

Size: 24" high x 7 1/2" wide

Weight: 8 lbs

Bypass: Standard



40 GPM

■ D40MZ2

Ratio: 1:500 to 1:50

Pipe Size: 1 1/2" NPT

Size: 25 1/4" high x 8 1/2" wide

Weight: 12 lbs

■ D40MZ3000

Ratio: 1:3000 to 1:500

Pipe Size: 1 1/2" NPT

Size: 25 1/4" high x 8 1/2" wide

Weight: 12 lbs

■ D40MZ5

Ratio: 1:100 to 1:20

Pipe Size: 1 1/2" NPT

Size: 25 5/16" high x 8 1/2" wide

Weight: 12 lbs

Bypass: Optional



132 GPM

■ D132MZ1

Ratio: 1:1,000 to 1:100

Pipe Size: 3" NPT

Size: 36 3/4" x 25 11/16" x 8 13/16"

Weight: 33 lbs

Bypass: Optional

■ D132MZ5000

Ratio: 1:5,000 to 1:500

Pipe Size: 3" NPT

Size: 36 3/4" x 25 11/16" x 8 13/16"

Weight: 33 lbs

Bypass: Optional

■ D132MZ30000

Ratio: 1:30,000 to 1:3,000

Pipe Size: 3" NPT

Size: 36 3/4" x 25 11/16" x 8 13/16"

Weight: 33 lbs

Bypass: Optional



DosaCarts

Perfect for Garden Centers

Simply the easiest and most convenient way to fertilize and treat your plants while you water. DosaCarts provide proportional on-demand dispensing, polyethylene construction, 10" no flat tires, and narrow width for maximum mobility.

Eco-Cart

Portable Fertilization System

The 5-gallon Eco-Cart provides quick and easy proportional on-demand dispensing, for a great value.

Eco-Cart - 14 GPM (Part #: HSECO-D14M22)

includes:

- Cart
- 5-gallon bucket with lid
- Dosatron D14M22
- Plumbing

Eco-Cart - 11 GPM (Part #: HSECO-D25F1)

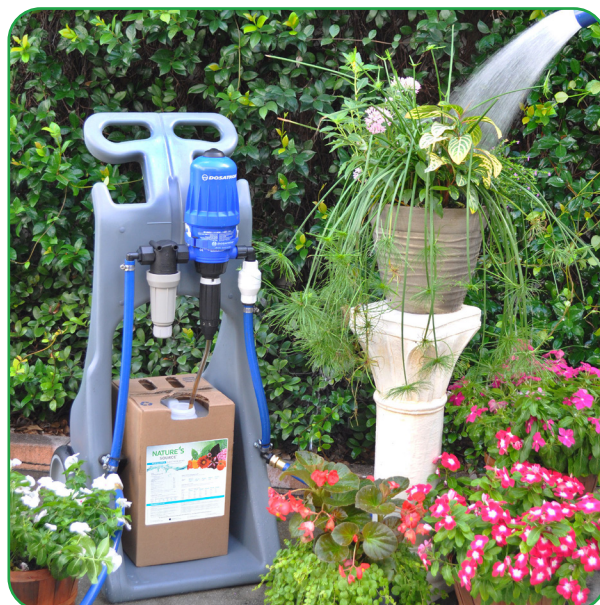
includes:

- Cart
- 5-gallon bucket with lid
- Dosatron D25F1 (fixed 1:100)
- Plumbing

Eco-Cart (Part #: HSECO)

includes:

- Cart
- 5-gallon bucket with lid
- Plumbing



Li'l Bud-D

Part #: HS15-5

Includes:

- Cart
- 5-gallon bucket with lid

Accommodates:

- 11 GPM
- 14 GPM

Quick Hook-Up kit available:

- 11 GPM, 14 GPM -
Part #: HSPK58LB

Li'l Bud-D, Dosatron injector, and Quick Hook-Up kit are each sold separately.



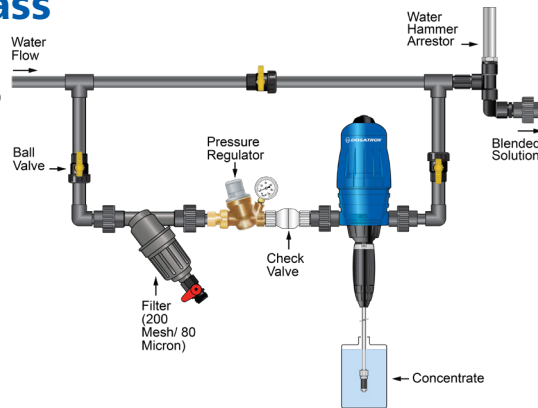
Goes where you need, to keep your profits blooming!

PORTABLE FERTILIZER INJECTORS

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Standard Bypass Installation

For wall mounting. Can also be controlled automatically with solenoid valves.



Filter
(200 mesh/80 micron)

Provides protection from debris in water lines

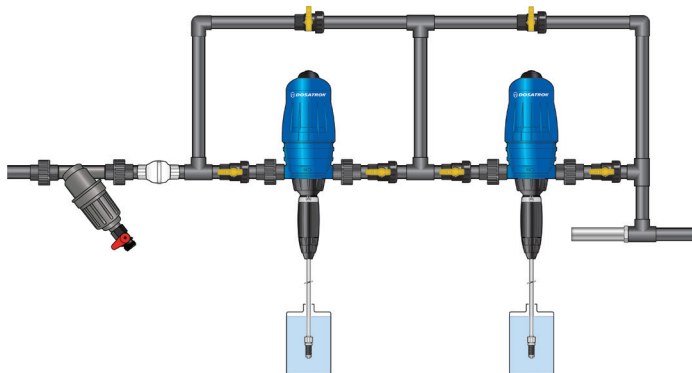


Check Valve

Reduces effects of water hammer

Series Installation

Allows injection for multiple solutions.



Flow Restrictor

Controls and manages water flow

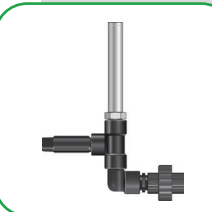
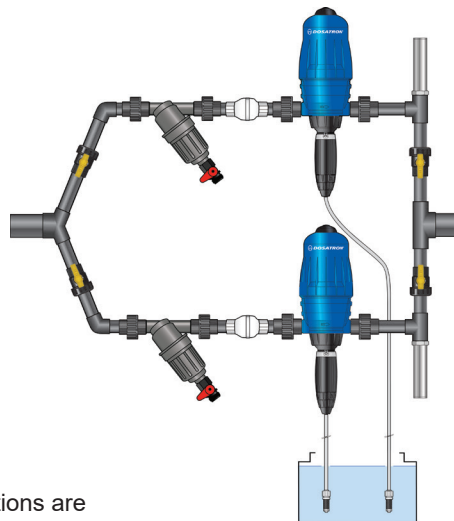


Pressure Regulator

Controls and manages water pressure

Parallel Installation

Increase water flow capacity by installing injectors in parallel.



Water Hammer Arrestor Kits

Controls effects of water hammer. See our kit options on page 8



Mini Maintenance Kits

Perfect solution for users and growers who perform maintenance on a regular schedule. Scan the QR code to find out more.

NOTE: Installation illustrations are to be used as a reference guide only.

INSTALLATIONS AND ACCESSORIES

GARDEN CENTER

- 1 Living Walls
- 2 Drip Irrigation
- 3 Portable Fertilizer Injectors
 - Li'l Bud-D
 - Eco-Cart
- 4 3-Part Solution A/B/C Tank
- 5 Watering Boom
 - Pesticides
 - Fertilizers
- 6 Foaming
- 7 High Water Flow System
 - pH Control

NOTE: Installation illustrations are to be used as a reference guide only.

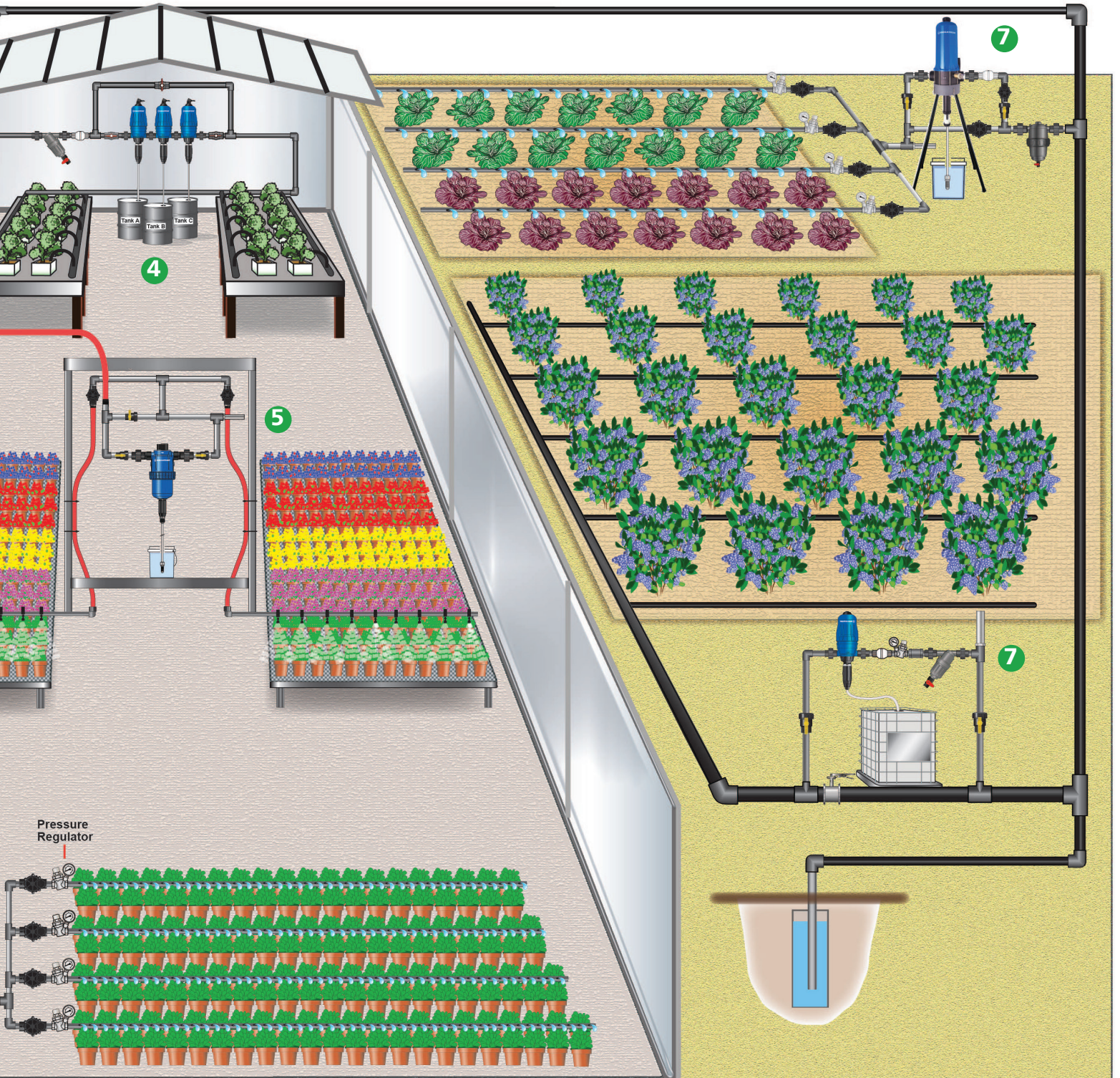


INSTALLATIONS

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GREENHOUSE

FIELD IRRIGATION



DOSATRON IS EVERYWHERE

NUTRIENT DELIVERY SYSTEM

The **Nutrient Delivery System** panel was designed with every type of grower in mind. Simple to set-up and easy to operate, this modular proportional nutrient dispensing system delivers precise results every time, regardless of fluctuations in pressure or flow. With the ability to customize the panel, based on your nutrient program, the Nutrient Delivery System is flexible enough to fit into every grower's fertigation system and works well with various types of irrigation. Whether using the drain-to-waste method or a recirculating system using reservoirs, the end result is the same – eliminate the need to measure & pour and **automate your feeding schedule!**

- Features:**
- Nutrient Doser
 - Constant EC/pH Monitoring
 - Eliminate Reservoir
 - Easy to Use and Simple to Maintain
 - Customize to Your Specific Needs
 - Automated Irrigation Timer

Nutrient Delivery System Kits Are Simple To Set Up, Maintain and Operate

Starter Kit — It includes all the parts you need to get started, from ball valves to Teflon® tape.

Part #: HYKSTART-STD

Mixing Chamber Kit — Enhances blending as the solution passes through.

Part #: HYKMC34

Monitor Kit — Includes a special in-line nutrient monitor that measures and displays your well-blended outgoing solution.

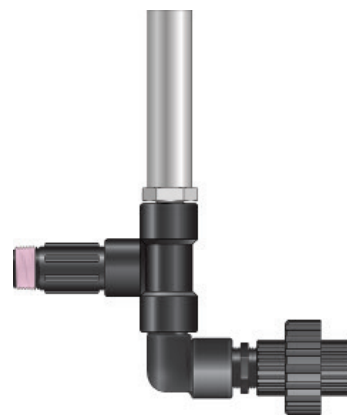
Part #: HYKMON



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Water Hammer Arrestor Kits

WATER HAMMER ARRESTOR KITS		
PIPE SIZE	DESCRIPTION	PART #
3/4"	3/4" MPT X 6 1/2" TALL	WHA34-SS-KIT
1"	1" MPT X 6 15/16" TALL	WHA100-SS-KIT
1 1/2"	1" MPT X 10 9/16" TALL	WHA150-SS-KIT
2"	1" MPT X 11 3/16" TALL	WHA200-SS-KIT



HYDROPONICS

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SPECIFICATIONS

MODEL	MAX. FLOW RATE	MAX. CLICKS IN 15 SECONDS	FLOW RANGE	PRESSURE RANGE	RATIOS	PERCENT
D14MZ520	9 GPM	31	0.05 - 9 GPM	7 - 57 PSI	1:20 - 1:5	5% - 20%
D25F1	11 GPM	46	0.05 - 11 GPM	4.3 - 85 PSI	1:100 fixed	1% fixed
D25RE2	11 GPM	46	0.05 - 11 GPM	4.3 - 85 PSI	1:500 - 1:50	0.2% - 2%
D25RE09	11 GPM	46	0.05 - 11 GPM	4.3 - 85 PSI	1:1000 - 1:112	0.1% - 0.9%
D14MZ2	14 GPM	49	0.05 - 14 GPM	4.3 - 85 PSI	1:500 - 1:50	0.2% - 2%
D14MZ10	14 GPM	49	0.05 - 14 GPM	7 - 85 PSI	1:100 - 1:10	1% - 10%
D14MZ3000	14 GPM	49	0.05 - 14 GPM	4.3 - 85 PSI	1:3000 - 1:333	0.03% - 0.3%
D45RE15	20 GPM	45	0.4 - 20 GPM	7 - 70 PSI	1:500 - 1:66	0.2% - 1.5%
D40MZ2	40 GPM	36	2.2 - 40 GPM	4.3 - 116 PSI	1:500 - 1:50	0.2% - 2%
D40MZ3000	40 GPM	36	2.2 - 40 GPM	4.3 - 116 PSI	1:3000 - 1:500	0.03% - 0.2%
D40MZ5	40 GPM	36	2.2 - 40 GPM	7.2 - 116 PSI	1:100 - 1:20	1% - 5%
D20S	100 GPM	36	5 - 100 GPM	2 - 120 PSI	1:500 - 1:50	0.2% - 2%
D132MZ1	132 GPM	46	35.2 - 132 GPM	7 - 87 PSI	1:1,000 - 1:100	0.1% - 1%
D132MZ30000	132 GPM	46	35.2 - 132 GPM	7 - 87 PSI	1:30,000 - 1:3,000	0.003% - 0.03%
D132MZ5000	132 GPM	46	35.2 - 132 GPM	7 - 87 PSI	1:5,000 - 1:500	0.02% - 0.2%



Scan for
Service/Maintenance
Videos



100 GPM in Parallel



**20 GPM Mounted
(Cherry Creek Systems)**



**40 GPM Install
(Zwart Systems)**

Dosatron injectors
may be installed
in parallel.

Dosatron injectors
may be mounted
on booms.

Dosatron injectors may
be mounted on a wall,
bench, or cart.



DOSATRON®

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