

# Advancing Chemical Management Through Innovation



World  
Leader in  
Proportional  
Liquid  
Dispensing



**DOSATRON**<sup>®</sup>  
INTERNATIONAL - INC.

D400RE



 **DOSATRON**  
OPERATIONAL

45 IE  
45 IE  
30

272

370

195

E730

E710

46.5

206

407

300

344

Microsoft

# precision metering technology

## Dosatron non-electric, proportional liquid dispensers

Dosatron volumetric, water-driven dispensers offer an efficient and economical means for dosing concentrates into water lines. The injection design is engineered to ensure consistent and precise operation regardless of flow and pressure variations.

The efficiency and reliability of the Dosatron proportioner/system has driven our success in a wide range of industries and industrial applications spanning the globe. Let Dosatron provide the perfect solution for your dispensing needs.



*The perfect solution!*



#### DISTINCTIVE FEATURES

- Water driven
- Non-pulsating
- On-demand dispensing
- Externally adjustable dosing ratios
- Internal mixing chamber

#### EASE OF OPERATION

- Installed directly onto the water line
- No air or electricity required for operation
- Direct injection eliminates risks to personnel and environment
- Simple to maintain on site

#### HIGHEST EFFICIENCY

- Constant, volumetric injection assures proportional mix in the water flow
- Reliable, repeatable results for consistent chemical management
- Adaptable to a wide range of chemical concentrates



#### ECONOMICAL VALUE

- Cost effective operating principle
- Durable composition
- Space saving design
- Easy preventative maintenance to ensure long life
- Proven track record with 25 years field experience

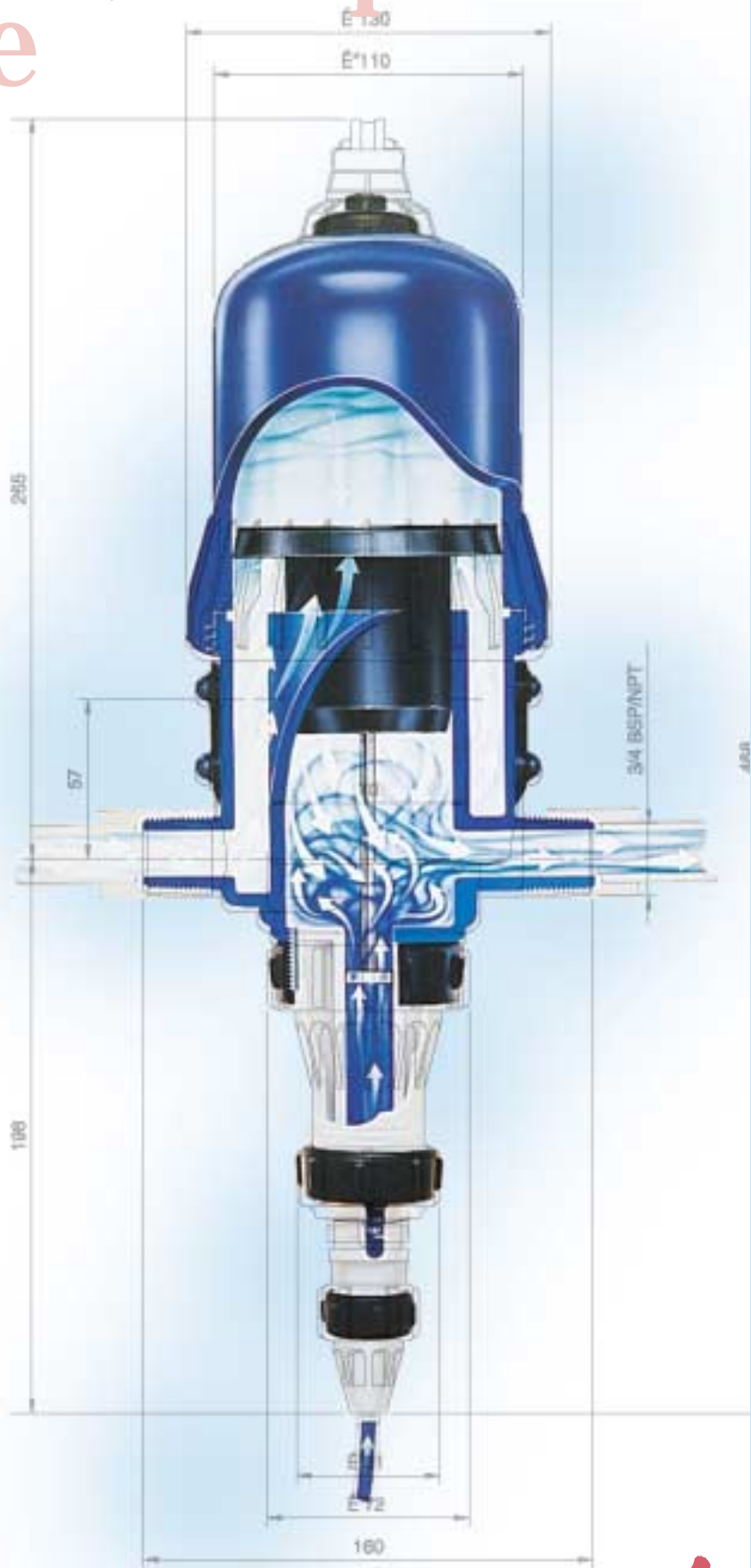


# accurate, simple & reliable

Volumetric injection is the key to constant, precise metering.

Installed directly into the water supply line, the dispenser operates without electricity, using the flow of water as its power source.

The measurement of concentrate injected is directly proportional to the volume of water coming through the water line, regardless of pressure and flow variations.



O P E R A T I O N

# The perfect solution!

# a full range of

## Metal Processing

Accurately meter metalworking fluids for surface preparation, foaming, finishing and cleaning.

- Coolants & Cutting Fluids
- Forming, Stamping & Drawing
- Die Casting
- Grinding & Finishing
- Parts Wash & Vibratory Cleaning



Courtesy of Spartan Chemical Company



Courtesy of Guyson Corporation

## Vehicle Wash

Eliminate waste with in-line injection of vehicle wash chemicals in one or multiple locations.

- Automobile
  - Self Serve
  - Tunnel
  - In-Bay Automatics
- Truck & Bus
- Train & Aircraft



Courtesy of Zep Manufacturing



Courtesy of Zep Manufacturing

## Food & Beverage

Efficiently manage the application of acid and alkaline cleaning chemicals. Also for dispensing line lubricant solutions.

- Bottling
  - Beverage Line Cleaning
  - Conveyor Lubrication
- Processing
  - Cleaning & Degreasing
  - Disinfecting & Sanitizing
  - Foaming



Courtesy of Pure-Chem Products Co.

# applications

## Food Science

For accurate application of oxidizing chemicals to preserve quality and optimize shelf life. Also for dispensing vegetable wash solutions.

- Fruit and Vegetable Wash
- Potato Storage
- Row Crop



## Institutional Hygiene

Simplify the application of sanitizing, disinfecting and cleaning chemicals. Accurate concentrate dosing ensures adherence to required sanitation standards.

- Hospital
- Foodservice
- Restaurant
- Grocery Stores



## Environmental

Inject a wide range of chemicals for purification purposes or aggressive treatments for containment uses.

- Water Treatment
- Odor Control
- Vegetation Control
- Flocculation





# Printing

Ensure homogenous injection of processing chemicals onto press equipment.

- Fountain Solutions
- Alcohol
- Alcohol Substitutes
- Silicone



# Printed Circuit Board

Automated dispensing of process chemicals used in the manufacture of printed circuit boards.

- Developing
- Resist Stripping
- Acid Cleaning



Courtesy of Allen Woods & Associates



Courtesy of Allen Woods & Associates

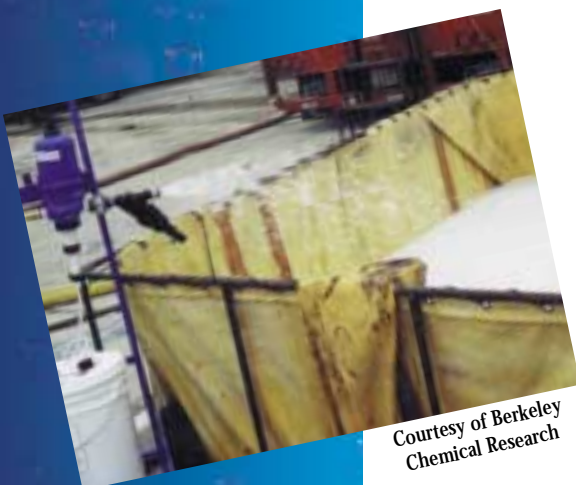
# Specialty Applications

Product versatility has created a steady flow of new applications, including:

- Water Jet Pressure Cleaning
- Pet Grooming
- Ice Making Sanitation
- Asphalt Release



Courtesy of Berkeley Chemical Research



Courtesy of Berkeley Chemical Research



# applications

## Residential Irrigation

Homeowners can achieve professional results with the performance and reliability of Dosatron consumer products.

- Environmentally sound
- Most convenient application method
- Easily adaptable to existing systems
- Slower, more uniform rate of fertilization



Courtesy of Northwest Quality Sprinklers

## Turf

Simplify turf maintenance with precise and automatic application of fungicides, insecticides, fertilizers and pesticides.

- Fertigation
- Chemigation
- School Grounds
- Golf Course
- Sports Complexes
- Commercial Properties



## Pest Control

Ensure adequate concentration of insect preventative chemicals. In-line dosing protects employees by eliminating manual mixing.



Courtesy of H & H Holdings

- Pesticides
- Termiticides
- Lawn & Garden Pest Control



Courtesy of H & H Holdings



# 7 gpm



3 models available:  
D 200 RE  
D 400 RE  
D 310 RE

Pipe Size: 3/4" NPT  
Size: 13" high x 6-1/2" wide  
Weight: 4 lbs.  
Accessories included:  
Mounting bracket, suction hose  
with strainer and weight,  
operating manual

# 11 gpm



3 models available:  
DI 16  
DI 150  
DI 210

Pipe Size: 3/4" NPT  
Size: 18-1/2" high x 6-1/4" wide  
Weight: 6 lbs.  
Accessories included:  
Mounting bracket, suction hose  
with strainer and weight,  
operating manual



Optional  
On/Off valve

# 20 gpm



3 models available:  
DSA 45-1.5  
DSA 45-3  
DSA 45-8

Pipe Size: 1" NPT  
Size: 24" high x 7-1/2" wide  
Weight: 8 lbs.  
Accessories included:  
Mounting bracket, manual  
bypass, suction hose with  
strainer and weight,  
operating manual



On/Off valve

# 40 gpm



2 models available:  
D 8 R  
D 8 R 150

Pipe Size: 1-1/2" NPT  
Size: 23" high x 12" wide  
Weight: 12 lbs.  
Accessories included:  
Mounting bracket,  
manual bypass, suction  
hose with strainer and  
weight, bypass hose,  
operating manual

# 100 gpm



1 model available:

## D 20S

Pipe Size: 2" PVC  
Size: 55" high x 15" wide  
Weight: 47 lbs.  
Accessories included:  
Set of legs, manual bypass, suction hose with strainer, vacuum breaker, operating manual

Also available:  
**D 20S VT5**  
66 GPM flow rate

# 132 gpm



2 models available:

## D 30S D 30S2000

Pipe Size: 2" NPT thread  
Size: 45-1/2" high x 33-1/2" wide  
Weight: 67 lbs.  
Accessories included:  
Built in support, manual bypass, suction hose with strainer and weight, bypass hose, operating manual

# 264 gpm



1 model available:

## D 60S

Pipe Size: 2-1/2" NPT thread  
Size: 50" high x 26" wide  
Weight: 100 lbs.  
Accessories included:  
Built in support, manual bypass, anti-siphon device, suction hose with strainer, operating manual

# Accessories

## FILTERS

200 mesh, 80 micron, centrifugal spin-down with cleanout

Sizes available:  
3/4", 1", 1-1/2", 2"



## ONE WAY CHECK VALVES

Sizes available:  
3/4", 1", 1-1/2", 2"



## PRESSURE REGULATOR

Sizes available: 3/4"  
Preset at 42 psi



Preventative maintenance and seal kits are available for most models.



# Unit Options

For corrosive applications



## Side inject

Prevents chemical contact with motor parts



## PVDF

Durable body withstands aggressive chemicals



## Hastelloy®

Resistant alloy components in lieu of stainless steel

# Security Cabinet



Dimensions:  
28-1/2" x 24-1/2" x 8-1/2"



- Durable Stainless Steel Construction
- Keyed Lockable Swing Side Door
- System Includes: filter, pressure regulator, gauge and built-in bypass

# Micro Metering Series



**DI 1500**  
Adjustable  
1:500 to 1:1500



**DSA 45-2000**  
Fixed 1:2000



**D8R 1000**  
Fixed 1:1000  
**D8R 2000**  
Fixed 1:2000

# specifications

MODEL	MAXIMUM FLOW RATE	FLOW RANGE	PRESSURE RANGE	RATIOS	PERCENT
D200RE	7 GPM	0.09 to 7 GPM	7 to 70 psi	1:500 to 1:50	0.2 to 2.0%
D400RE	7 GPM	0.09 to 7 GPM	7 to 70 psi	1:200 to 1:25	0.5 to 4.0%
D310RE	7 GPM	0.09 to 7 GPM	7 to 70 psi	1:33 to 1:10	3.0 to 10.0%
DI 16	11 GPM	0.05 to 11 GPM	4.3 to 85 psi	1:500 to 1:64	0.2 to 1.6%
DI 150	11 GPM	0.05 to 11 GPM	4.3 to 85 psi	1:100 to 1:20	1.0 to 5.0%
DI 210	11 GPM	0.05 to 11 GPM	7 to 57 psi	1:50 to 1:10	2.0 to 10.0%
DI 1500	11 GPM	0.05 to 11 GPM	4.3 to 85 psi	1:500 to 1:1500	0.2 to 0.07%
DSA45-1.5	20 GPM	0.4 to 20 GPM	7 to 70 psi	1:500 to 1:66	0.2 to 1.5%
DSA45-3	20 GPM	0.4 to 20 GPM	7 to 70 psi	1:200 to 1:33	0.5 to 3.0%
DSA45-8	20 GPM	0.4 to 20 GPM	7 to 70 psi	1:33 to 1:12	3.0 to 8.0%
DSA45-2000	20 GPM	0.4 to 20 GPM	7 to 70 psi	1:2000 fixed	0.05%
D8R	40 GPM	2.2 to 40 GPM	2 to 110 psi	1:500 to 1:50	0.2 to 2.0%
D8R 150	40 GPM	2.2 to 40 GPM	2 to 110 psi	1:100 to 1:20	1.0 to 5.0%
D8R 1000	40 GPM	2.2 to 40 GPM	2 to 110 psi	1:1000 fixed	0.1%
D8R 2000	40 GPM	2.2 to 40 GPM	2 to 110 psi	1:2000 fixed	0.05%
D20S VT5	66 GPM	4.4 to 66 GPM	4.3 to 86 psi	1:200 to 1:20	0.5 to 5.0%
D20S	100 GPM	5 to 100 GPM	2 to 120 psi	1:500 to 1:50	0.2 to 2.0%
D30S	132 GPM	35 to 132 GPM	15 to 116 psi	1:400 to 1:80	0.25 to 1.25%
D30S2000	132 GPM	35 to 132 GPM	15 to 116 psi	1:2000 to 1:200	0.05 to 0.5%
D60S	264 GPM	44 to 264 GPM	22 to 145 psi	1:1000 to 1:142	0.1 to 0.67%

All models offer external ratio adjustments • Units are self priming up to 13 ft. vertically

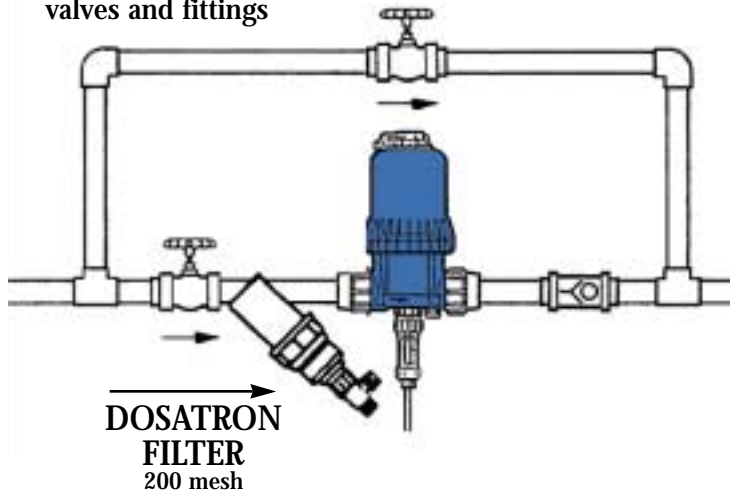


# installations

A1110-4/00

## BYPASS ASSEMBLY

Allows for untreated water- includes piping, valves and fittings

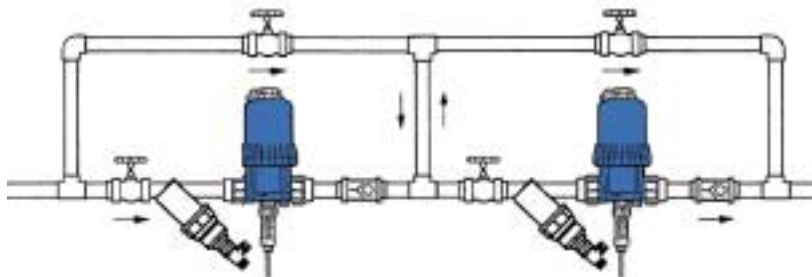


A bypass installation with filter and check valve is recommended for installation of Dosatron injectors. Alternative installations include parallel and series installation.

For installation on all water systems you must conform to all state and federal laws concerning the use of chemical injection devices.

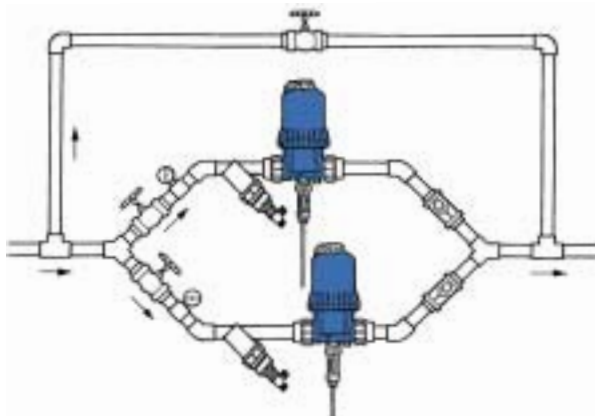
## SERIES INSTALLATION

To inject two different solutions into the water line



## PARALLEL ASSEMBLY

Doubles the water flow of the injection system



## EXPRESS WARRANTY

1. DOSATRON INTERNATIONAL INC. will provide for replacement of all parts shown to be defective in material or workmanship during a period of twelve months from the date of purchase by the original purchaser. 2. To obtain warranty replacement of a part, the part must be returned to the Distributor, and thereafter recognized as defective after examination by our technical services. The unit must be sent to the Distributor prepaid, but will be returned free of charge if found to be covered by the warranty and repairs are made. 3. This warranty is invalid if the defects are found to be due to the product's misuse, lack of maintenance or defective installation or environmental accidents or corrosion, or damage to unit caused by foreign bodies and/or liquids found within or in proximity to the unit. The seals and "O" rings are not covered under warranty, nor is damage to the unit caused by impurities such as sand. A filter (80 microns or less) must be in front of the unit for the warranty to be valid. DOSATRON INTERNATIONAL INC. declines all responsibility if unit is used under conditions outside its operating tolerance as indicated herein. 4. This warranty gives you specific legal rights and you may also have other rights which vary from state to state, but any implied warranty or merchantability or fitness for a particular purpose applicable to this product is limited in duration to the time period of this written warranty or any implied warranty. DOSATRON INTERNATIONAL INC. shall not be liable for incidental or consequential damage, such as any economic loss, resulting from breach of this written warranty or any implied warranty. There are no warranties which extend beyond those described above. Specifications are subject to change.



# at your service

Our customer care program is designed to meet your needs with a full range of services:

## Service Hotline

**800-523-8499**

for prompt answers  
to your technical  
questions



Factory trained service technicians provide:

- Preventative Maintenance Programs
- System Maintenance
- Rebuild & Repair Service
- Personal Assistance



Additional customer services include:

- Fully Stocked Inventory
- Certified *Quick Ship* Program
- Immediate Tracking Capabilities



S U P P O R T  
&  
S E R V I C E

# World Leader in Proportional Liquid Dispensing

Dosatron International Inc.  
North American Headquarters:

Toll Free 1-800-523-8499

Tel: 727-443-5404 Fax: 727-447-0591

E-mail: [mail@dosatronusa.com](mailto:mail@dosatronusa.com)

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



**DOSATRON**<sup>®</sup>  
INTERNATIONAL - INC.