

# MSC FILTRATION TECHNOLOGIES

FILTRATION EQUIPMENT • PUMPS • SERVICE

198 Freshwater Blvd, Enfield CT 06082

(860)-745-7475 Fax (860)-745-7477 Cell (860)-930-6205



WATER-POWERED CHEMICAL METERING PUMPS FOR



# Metal Processing



## DOSATRON®

WATER POWERED DOSING TECHNOLOGY

# Contents

1

HOW IT  
WORKS

2-3

RECOMMENDED  
METERING PUMPS

4-9

SYSTEMS

10-12

ACCESSORIES

# Here's How It Works

Dosatron chemical metering pumps 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 metering pumps for metal processing 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!

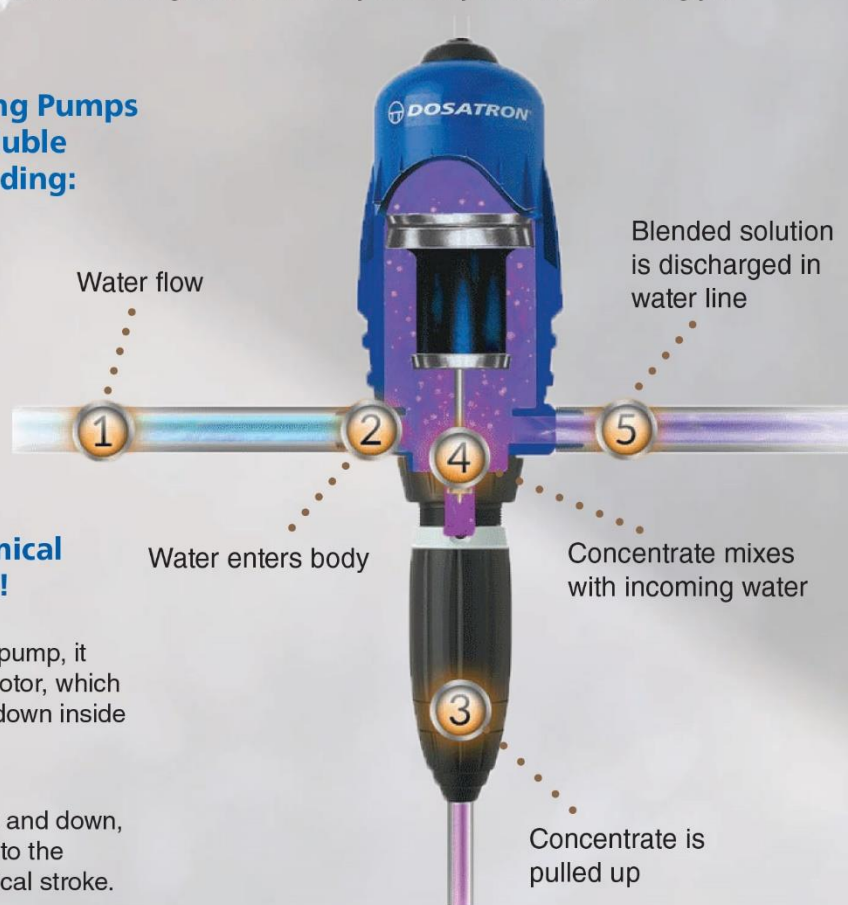
## Dosatron Chemical Metering Pumps Accurately Inject Water Soluble Metal Working Fluids Including:

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

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

- 1** When water enters the pump, it triggers the hydraulic motor, which begins moving up and down inside the body of the pump.
- 2** As the piston moves up and down, the plunger, connected to the bottom, cycles in a vertical stroke.
- 3** In both the up and down stroke, your chemical concentrate is dosed into the moving water stream providing a consistent and repeatable solution.

- Simple to use
- Easy to adjust allowing for flexible dosage rates
- Easy to maintain saving you time and effort







Scan the QR code to see how it works







# Recommended Metering Pumps

Dosatrons are a perfect fit for coolants, rust inhibitors, and detergents/cleaners. Dosatron, with its proportioning principle, allows you to closely control the amount of fluid being used, so none is wasted.

The water-powered Dosatron uses no electricity to operate, so no external power source is required while cutting your energy costs. And coolant concentrations are easily adjusted, by turning the injector stem up or down to align the index arrows with the desired concentration.

DOSATRON CHEMICAL METERING PUMPS				
<b>MODEL</b>	D14MZ2	D14MZ5	D14MZ10	D14MZ520
<b>FLOW RANGE</b>	0.05 - 14 GPM	0.05 - 14 GPM	0.05 - 14 GPM	0.05 - 9 GPM
<b>DILUTION RANGE</b>	1:500 - 1:50	1:200 - 1:20	1:100 - 1:10	1:20 - 1:5
<b>DILUTION PERCENTAGE</b>	0.2% - 2%	0.5% - 5%	1% - 10%	5% - 20%
<b>PRESSURE RANGE</b>	4.3 - 85 PSI	4.3 - 85 PSI	7 - 85 PSI	7 - 57 PSI
<b>CONNECTIONS</b>	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
<b>RECOMMENDED INSTALLATION KIT</b>	IPK34-14GPM	IPK34-14GPM	IPK34-14GPM	IPK34-9GPM

All units include: mounting bracket, suction hose, weighted stainer, and quick start guide.  
Maximum temperature: 104°F

DOSATRON CHEMICAL METERING PUMPS				
MODEL	D40MZ2	D40MZ5	D07RE125	D07RE5
FLOW RANGE	2.2 - 40 GPM	2.2 - 40 GPM	0.02 - 3 GPM	0.02 - 3 GPM
DILUTION RANGE	1:500 - 1:50	1:100 - 1:20	1:667 - 1:80	1:128 - 1:18
DILUTION PERCENTAGE	0.2% - 2%	1% - 5%	0.15% - 1.25%	0.8% - 5.5%
PRESSURE RANGE	4.3 - 116 PSI	7.2 - 116 PSI	4.3 - 85 PSI	4.3 - 85 PSI
CONNECTIONS	1 1/2" NPT	1 1/2" NPT	3/4" NPT	3/4" NPT
RECOMMENDED INSTALLATION KIT	N/A	N/A	IPK34-3GPM	IPK34-3GPM

All units include: mounting bracket, suction hose, weighted stainer, and quick start guide.  
Maximum temperature: 104°F

### Recommended Industrial Plumbing Kit (IPK) Installation



Note: Dosatron units sold separately.

# Systems

## Coolant Mixing Systems

Dosatron's Coolant Mixing Systems are the answer to your coolant management needs. Whether it's a Cabinet, Panel, Industrial Plumbing Kit (IPK), or a Mobile Coolant Fill System.

They are easy to install and require NO external power source. Simply connect your water supply line driven by city water, RO, or DI water, and drop the concentrate suction hose into your barrel or tote.

### Pre-Plumbed Panels and Locking Cabinets



Part #: SC2A150

#### Coolant Mixing Cabinet with Accessory Hose Kit

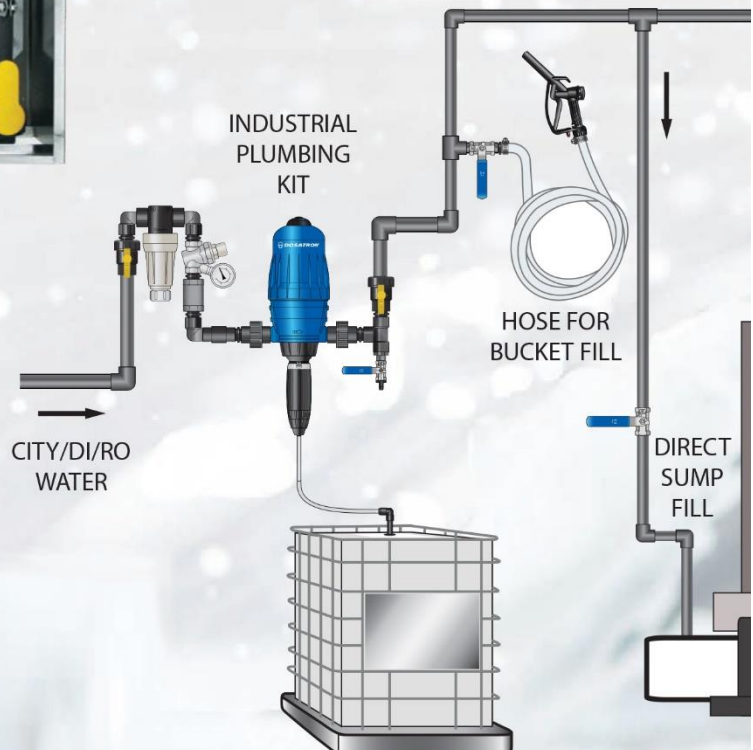
- 1 Dosatron Proportioner unit
- Filter
- Pressure Regulator with Gauge
- Flow Restrictor
- Check Valve
- Water Hammer Arrestor



Part #: HOSEKITGUN34

#### Coolant Mixing Station Fill Accessory Kit

- Poly gas nozzle
- 15' mixed coolant discharge hose
- Barb (2)
- Hose clamp (2)



## Mobile Coolant Fill System



Part #: 1 HS25 / 1 HSPK25COOLKIT / 1 D14MZ10VFI  
Dosatron chemical metering pump, hook up kit and  
25-gallon cart sold separately.

Dosatron's New Mobile Coolant Fill System includes a durable, roto-molded 25-gallon coolant concentrate tank, featuring an onboard Dosatron water-powered metering pump, a simple garden hose water connection swivel, "no flat" tires, an EZ fill, gas nozzle style valve, with fill hose.



Hook-Up Kit  
Part #: HSPK25COOLKIT

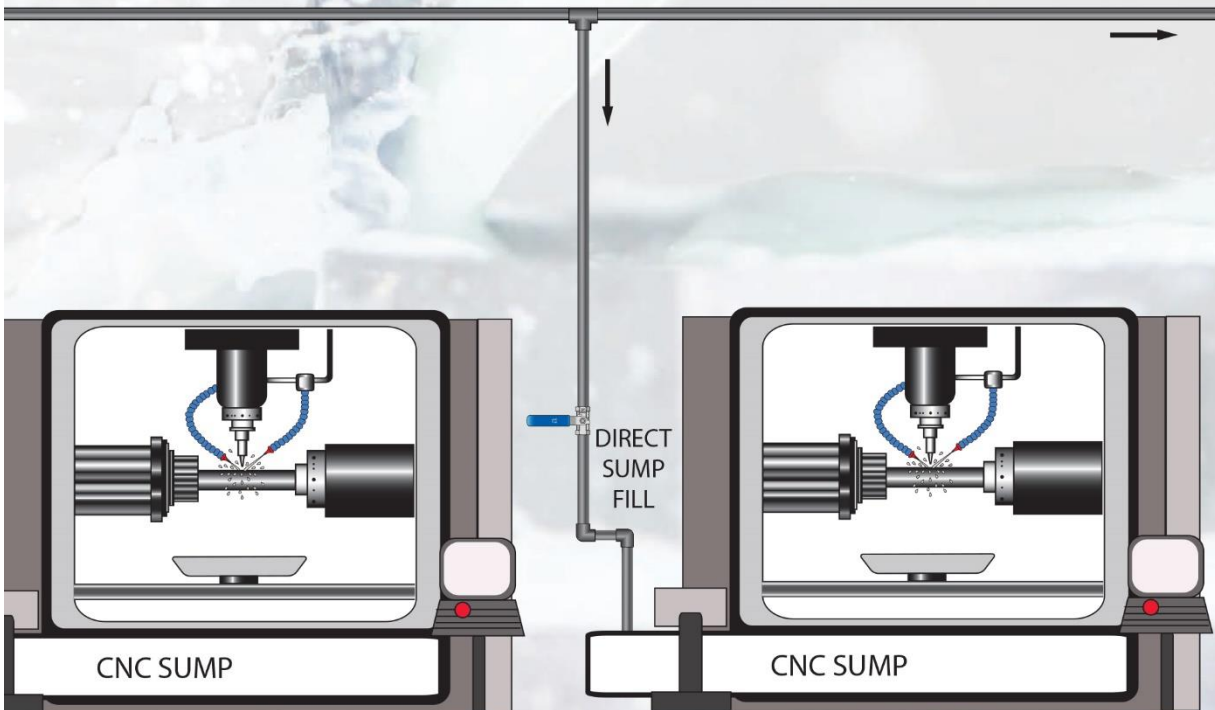
Dosatron and cart  
sold separately

The system conveniently allows the user to add and adjust coolant concentrations as needed. Mixed coolant is dispensed directly into the machine sump eliminating sloppy bucket filling, spills, slip hazards and back injuries from lifting heavy pails. No more spilled coolant creating a slip hazard!

Great for:

- Coolants
- Detergents and Cleaners
- Floor Scrubber Fill

## Multiple Machine Central System Installation



# Systems

## Parts Washing Detergent/RP Dispensing System

Make your parts washing installation easy with Dosatron's custom panel and cabinet installations. Our pre-plumbed systems make installation and maintenance simple. They include all the necessary accessories, providing the convenience of a pre-plumbed, secured system.

You can choose from our panel systems or our locking stainless steel cabinets. The locking cabinets aid in keeping unauthorized personnel from disturbing your chemical management system.



Part #: PS6A130

### Detergent Dispensing System

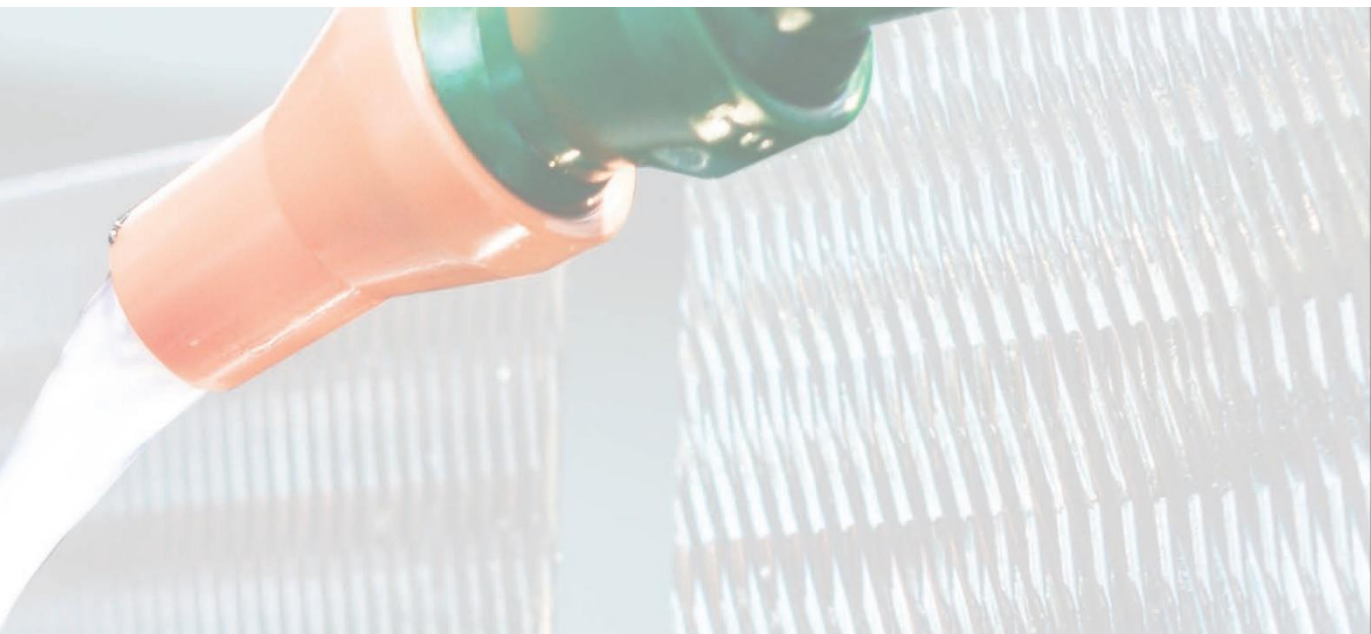
- Dosatron D14MZ2 or D14MZ5
- Filter
- Pressure Regulator with Gauge
- Flow Restrictor
- Check Valve
- Ball Valves

### Parts Washer Chemical Make-Up - Provides

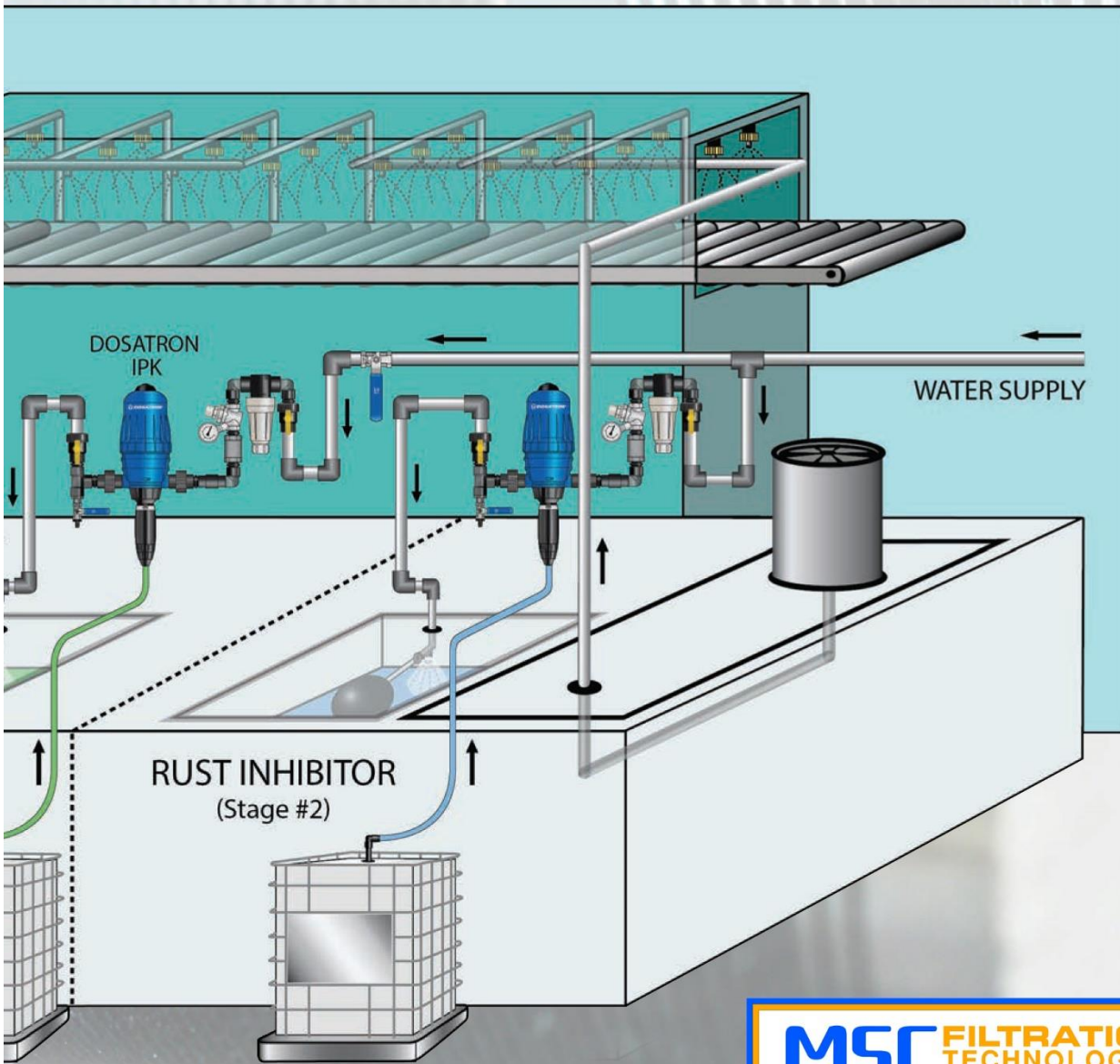


WASH  
(Stage #1)





### Automatic Concentration Control of Cleaner/RP in the Wash and Rinse Stage



**MSC FILTRATION TECHNOLOGIES**  
FILTRATION EQUIPMENT • PUMPS • SERVICE  
198 Freshwater Blvd, Enfield CT 06082  
(860)-745-7475 Fax (860)-745-7477 Cell (860)-930-6205

# Systems

## Vibratory Compound Dispensing System

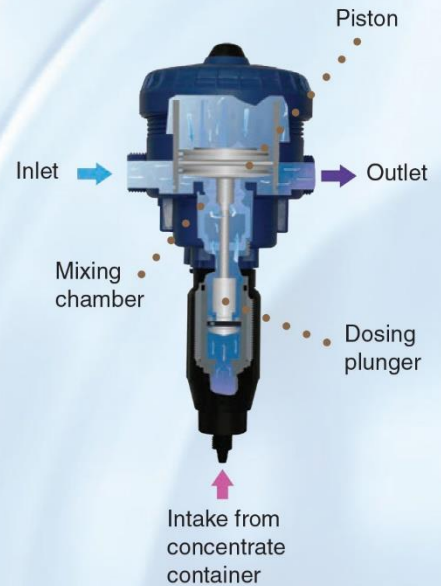
Dosatron's Vibratory Compound Dispensing System is the perfect solution for vibratory finishing.



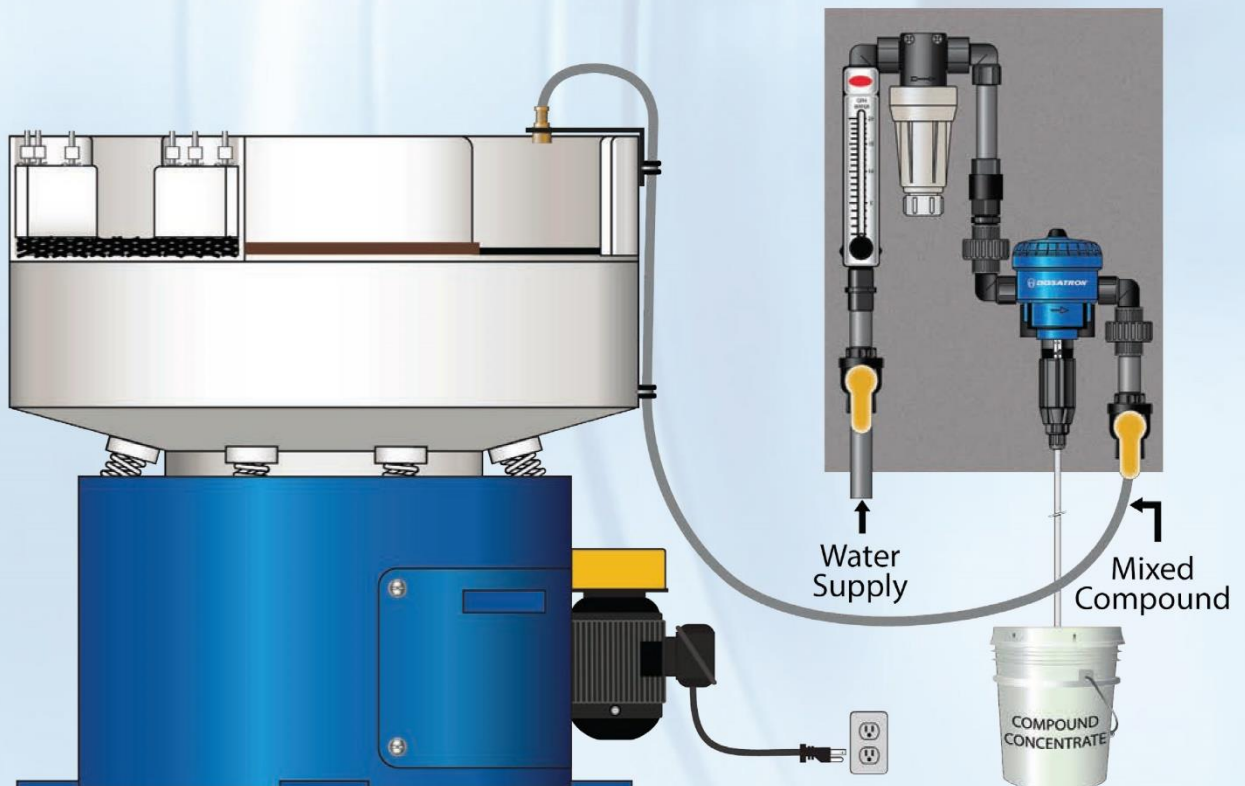
Part #: PS6VB126

### Vibratory Panel

- 1 Dosatron Proportioner unit
- Adjustable Flow Meter
- Filter
- Check Valve



### Typical Vibratory installation



# Systems

## Floor Scrubbing Fill Station Panel

If your floor costs are going through the roof, then Dosatron's pre-plumbed Floor Scrubbing Fill Station is the answer. The Floor Scrubbing Fill Station panel is designed for easy set up and will perfectly mix your chemicals without waste.

### Dosatron's Floor Scrubbing Fill Station is:

- Easy to install, just mount the panel and connect a water line to the inlet
- Easy to adjust to the desired dilution rate
- Easy to use, grab the gas nozzle and fill the scrubber
- Time and money saving, fast filling saves labor costs
- Versatile with a variety of flow ranges from 14 GPM to 40 GPM



Part #: PS6A130FS

### Floor Scrubbing Panel with Hose Kit

- 1 Dosatron Proportioner
- Filter
- Check Valve
- Gas Nozzle Fill Assembly

### Typical Floor Scrubbing Units



Part #: D14MZ2



Part #: D40MZ2

**MSC FILTRATION TECHNOLOGIES**  
FILTRATION EQUIPMENT • PUMPS • SERVICE  
198 Freshwater Blvd, Enfield CT 06082  
(860)-745-7475 Fax (860)-745-7477 Cell (860)-930-6205

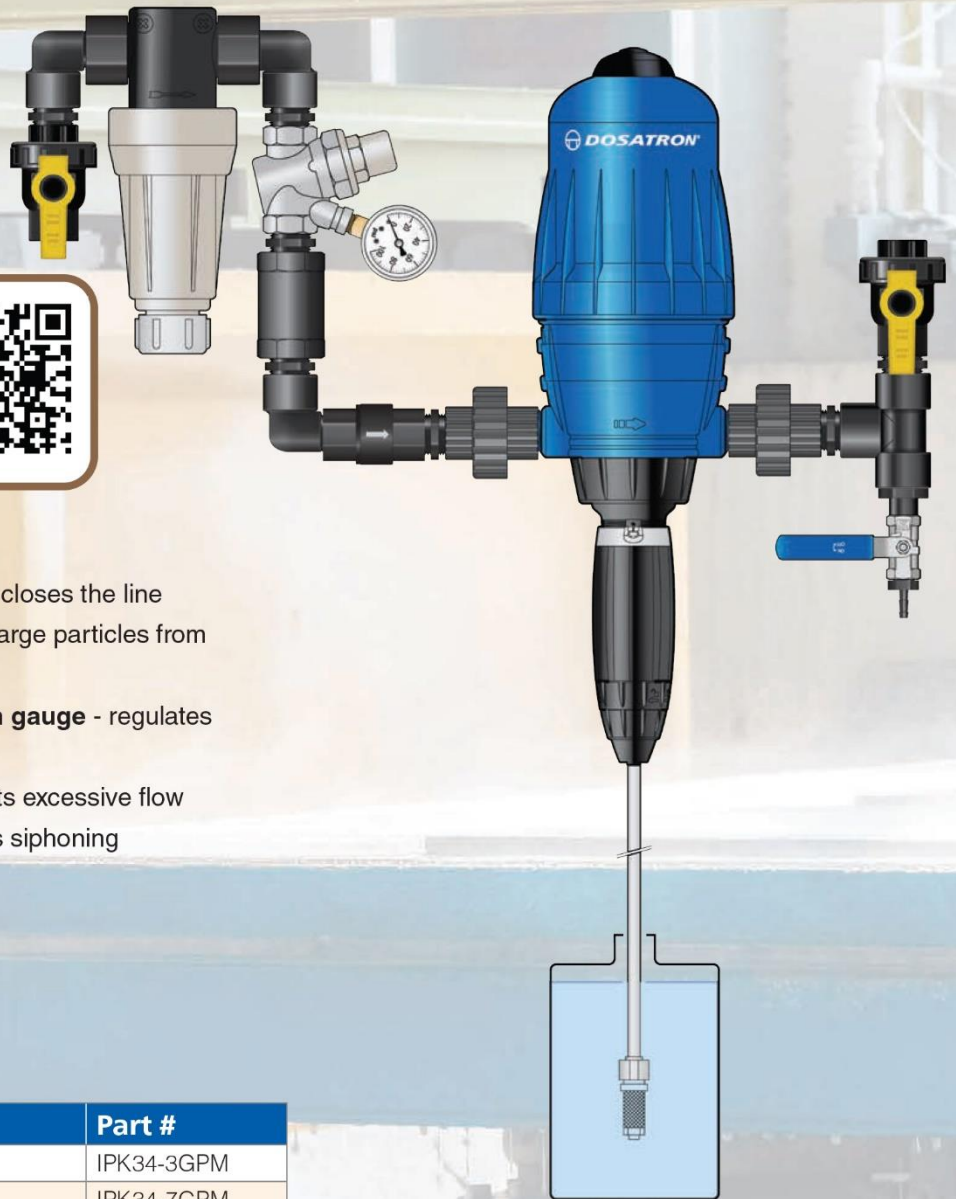
# Accessories

## Dosatron Industrial Plumbing Kit (IPK)

Make your installation easy with Dosatron's Pump Protection Kits.

They are the suggested, all-in-one installation kit for metal processing.

Scan the QR code for more information on Metal Processing.



### Kits include:

- **Ball valves** - opens and closes the line
- **200 mesh filter** - stops large particles from entering the Dosatron
- **Pressure regulator with gauge** - regulates incoming pressure
- **Flow restrictor** - prevents excessive flow
- **Check valve** - minimizes siphoning
- **Unions**
- **Roll of Teflon® tape**
- **Instruction card**
- **Fittings**

Description	Part #
3 GPM IPK	IPK34-3GPM
7 GPM IPK	IPK34-7GPM
9 GPM IPK	IPK34-9GPM
10 GPM IPK	IPK34-10GPM
14 GPM IPK	IPK34-14GPM

# Accessories

## ChemSticks

Designed to be used with either a barrel or tote and easily connects to existing pick-up tubes. Includes: 4 polypropylene hose barbs (1/4", 3/8", 1/2", 3/4"), foot spacer, check valve, adjustable stopper, and hastelloy strainer.

### Features:

- Chemical and acid resistant
- Polypropylene construction with Viton seals
- Rigid pipe to overcome common problems with flexible tubing
- Stops debris from entering the chemical container with the bung adapter (barrel) or cover plate (tote)



**Bung Adapter  
for Barrel**

**Tote Plate  
Cover**

Part #:  
CS33 (33" long)  
CS48 (48" long)  
CS54 (54" long)

Part #:  
CSP48 (48" long)  
CSP54 (54" long)

# Accessories

## Dosa-Lock

An easy-to-install lock out device that protects unauthorized access to your injector and fits most Dosatron units.

### Benefits:

- Secures your setting
- Tamper resistant
- Controls chemical costs
- Made of high impact strength polypropylene
- Resistant to most chemicals

Note: Dosatron units sold separately.

**MSC** FILTRATION  
TECHNOLOGIES

FILTRATION EQUIPMENT • PUMPS • SERVICE

198 Freshwater Blvd, Enfield CT 06082  
(860)-745-7475 Fax (860)-745-7477 Cell (860)-930-6205



Part #: DOSA-LOCK

# Connect

**MSC** FILTRATION  
TECHNOLOGIES

FILTRATION EQUIPMENT • PUMPS • SERVICE

198 Freshwater Blvd, Enfield CT 06082

(860)-745-7475 Fax (860)-745-7477 Cell (860)-930-6205

**[WWW.MSCFILTERTECH.COM](http://WWW.MSCFILTERTECH.COM)**

**An Authorized Dosatron  
OEM/Distributor**



**MSC FILTRATION TECHNOLOGIES**

FILTRATION EQUIPMENT • PUMPS • SERVICE

198 Freshwater Blvd, Enfield CT 06082

(860)-745-7475 Fax (860)-745-7477 Cell (860)-930-6205



**DOSATRON®**

*WATER POWERED DOSING TECHNOLOGY*

**Distributed By MSC FILTRATION TECHNOLOGIES**