

# Spray Max 4

## Multi-Product Spray Clean Dispenser



## Overview

The Spray Max 4 Spray Clean Dispenser incorporates up to 4 products and a rinse option. The dispenser is made of durable Stainless Steel for maximum durability and utilizes proven DEMA valves and injectors to accurately spray and clean any surface.

## Warnings



All installations must conform to local plumbing codes and use approved backflow prevention devices. A pressure indicating tee is to be installed with existing faucets according to local plumbing codes in the state of Wisconsin and any other state that requires the use of a pressure indicating tee.



**ALWAYS WEAR PROTECTIVE CLOTHING AND EYEWEAR WHEN WORKING WITH CHEMICAL PRODUCTS.**

# Operational Requirements

## Water Supply Requirements

	Minimum	Maximum
Water Pressure	25 psi (1.72 bar)	95 psi (6.55 bar)
Water Temperature	-	150°F (65.5°C)
Outlet Hose Length/ID		25 ft. Max @ ½ in. I.D.

\*\* Recommended water pressure is between 25 psi (1.72bar) and 70 psi. (5.52 bar). If pressure exceeds 70 psi, it is recommended that a P/N 66.43 regulator is used.

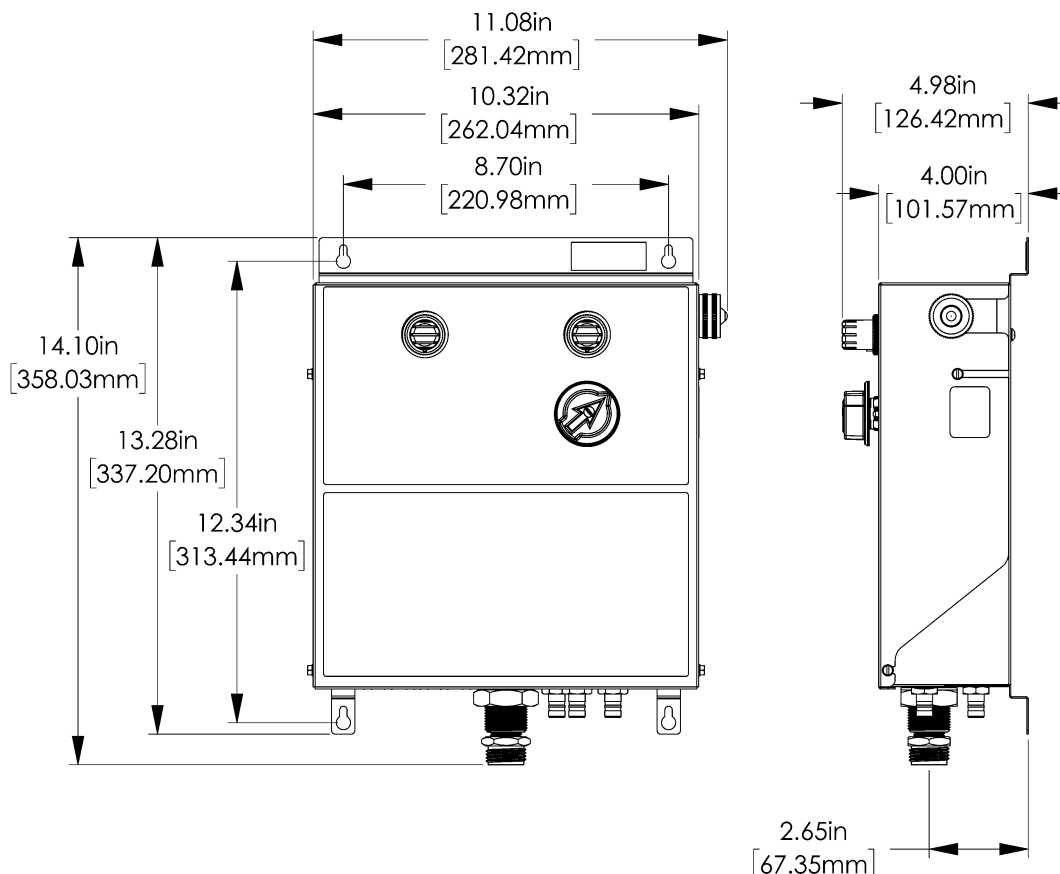
\*\*\*\*Recommend using the 41.565.1 shower style nozzle or 40.14QD.6 spray gun. Use of any other device might result in poor to no induction due to excessive backpressure.

## Specifications

### Packing List

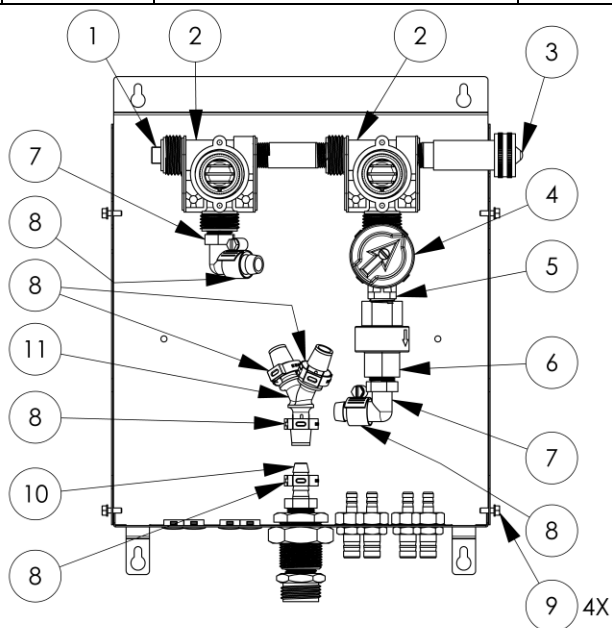
PART NO.	QTY	DESCRIPTION
100.16V.34	4	Tubing & Foot Valve Assembly
61.9K	4	Metering Tip Kit
98.40.4	1	Mounting Hardware Kit
I1431	1	Instruction Sheet

### Overall Size

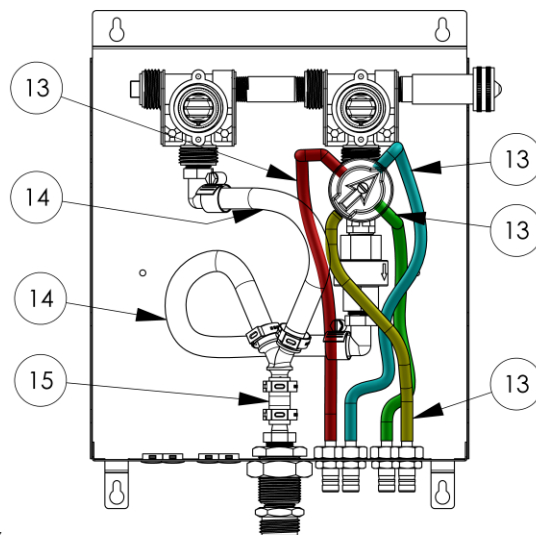


# Parts List

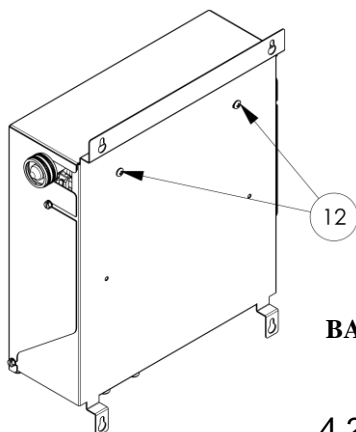
ITEM NO.	QTY.	DEMA NO.	DESCRIPTION
1	1	66-153	PIPE PLUG/O-RING ASSEMBLY
2	2	633LNN-O-NOTAB	VALVE ASSEMBLY LARGE BUTTON EPOXY COVERED MAGNET BLACK [TAB CUT OFF]
3	1	100-38	STRAINER WASHER
4	1	63-53-1	SELECTOR VALVE ASSEMBLY WITH KNOB
5	1	X41691-1	INJECTOR ASSEMBLY
6	1	95-23	CHECK VALVE 3/8" NPT
7	2	14-9-1	90° ELBOW, 3/8" NPT X 1/2" BARB
8	6	76-2-1	WORM GEAR CLAMP
9	4	68-9	SCREW; SS; 8-18 X 3/8; HHS
10	1	24-77-20	HOSE BARB, 1/2" X 1/2" NPT POLY.
11	1	40-209-1	TUBING, WYE (1/2" TUBE)
12	2	44-116-1	#8 HI-LO SCREW X 1/2" LONG
13	4	100-12-27	VINYL TUBING, 12" LONG
14	2	26-870-17	HOSE, BRAIDED - 14" LONG
15	1	26-870-18	HOSE, BRAIDED - 3.5" LONG
16	4	41549-2	LOCKING PANEL PLUG



**FRONT VIEW : NO COVER  
HARDWARE & VALVES**



**FRONT VIEW : NO COVER  
TUBING COLOR CLEAR**  
\*\*\*COLOR FOR ROUTING REFERENCE ONLY\*\*\*



**BACK VIEW**

# Installation

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## **Dispenser Installation:**

1. Find a suitable water source.
2. Use appropriate mounting hardware for the surface the dispenser will be mounted to. Included hardware is meant for drywall installation.
3. Securely place the unit on the wall.
4. Chemical products must be located below the dispenser. If the product is mounted higher than the bottom of the dispenser, chemical siphoning will occur.

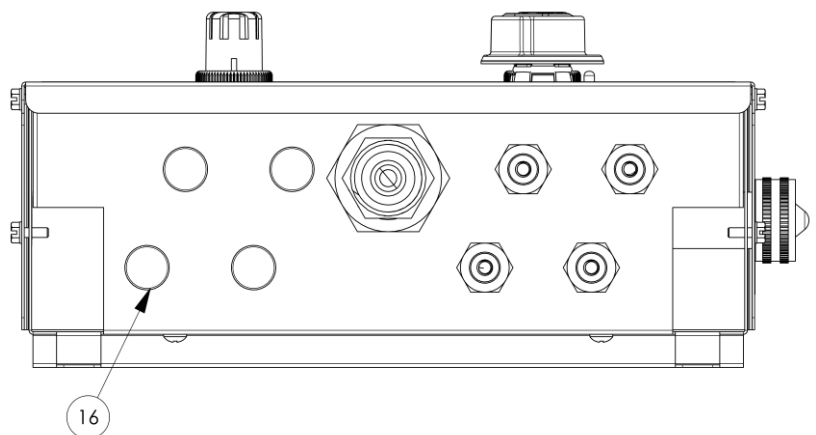
## **Inlet & Outlet Hoses**

1. Connect water hose to the water inlet. (Water inlet can be switched from the right side to the left side if desired.)
2. Ensure the water source meets the stated operational requirements as found on page two (2).
3. Connect the outlet hose to the bottom fitting of the dispenser
4. Attach to shower head nozzle to the end of the outlet hose.
5. Water flow is turned On/Off by the black water valve button on the dispenser only.

## **Product Tubing**

The products should be placed below the unit. It is recommended that the products sit as close underneath the unit as possible.

1. Locate the enclosed tubing and foot valves for product connection.
2. Place the proper tubing and foot valve to the proper barb on the unit.
3. Measure and cut the tubing to length, removing the excess tubing, then place foot valve in the product and tubing end onto barb.



# Operation

## Priming the system

1. Ensure that all inlet tubes have been attached correctly.
2. Make sure water is turned on at the source.
3. Start with the selector on product 1. Press and turn the activation button on the dispenser.
4. Once it is obvious that the product is making it through to the outlet hose, deactivate the valve to turn off the water.
5. Repeat these steps for the remaining products.

**\*\*\*It is highly recommended that warm water be used to flush the system at least once a month to reduce the chance of clogging. Take pickup tubes and place in a warm bucket of water and dispense. Once all lines have been flushed, reprime the lines using the above procedure. \*\*\***

## Troubleshooting

Problem	Cause	Solution
Product Not Priming	<ol style="list-style-type: none"><li>1. Pick up tubing is loose</li><li>2. Foot valve is clogged.</li><li>3. No/low water pressure to unit.</li><li>4. Not enough vacuum.</li><li>5. Both push buttons are activated.</li></ol>	<ol style="list-style-type: none"><li>1. Check all tubing connections and make sure that a good fit is achieved. Replace if necessary.</li><li>2. Inspect foot valve for clogs. Clean or replace if necessary.</li><li>3. Check to ensure water is on at the source and at 25 psi min.</li><li>4. Spray gun or hand held nozzle is clogged or damaged. Too much backpressure.</li><li>5. Deactivate valve button not intended to be used.</li></ol>
Nothing Coming Out of Unit	<ol style="list-style-type: none"><li>1. No water to unit.</li><li>2. Push buttons not activated.</li></ol>	<ol style="list-style-type: none"><li>1. Ensure the water source is turned on.</li><li>2. Ensure the water valve is activated.</li></ol>
Too rich or lean	<ol style="list-style-type: none"><li>1. Incorrect metering tip</li><li>2. No Product, metering tip clogged</li><li>3. Outlet water flow may be restricted</li></ol>	<ol style="list-style-type: none"><li>1. Choose a different metering tip</li><li>2. Remove product tubing, take out metering tip and clean.</li><li>3. Make sure outlet nozzle is not restricted. (Some sprayers create too much backpressure, use recommended nozzles)</li></ol>
Water Flowing into Product Line.	<ol style="list-style-type: none"><li>1. Selector check valve is clogged.</li><li>2. Both valves are activated.</li><li>3. Outlet of the sprayer gun or nozzle is completely blocked.</li></ol>	<ol style="list-style-type: none"><li>1. Remove Selector Valve from product. Place in a clean bucket of hot water free from debris. Run bathe option until tube and check valve is flushed, repeat with each tube if necessary. Replace selector if necessary.</li><li>2. Turn off one valve.</li><li>3. Clean out nozzle</li></ol>
Takes Too Long to Get Product Mix	<ol style="list-style-type: none"><li>1. Vacuum is reduced or not present.</li></ol>	<ol style="list-style-type: none"><li>1. Check the metering tips, injector, and selector for debris and/or clogs. Clean or replace components as necessary.</li></ol>

# Warranty

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## Merchandise Returns

***No merchandise will be returned for credit without DEMA'S written permission. Returned merchandise authorization number is required in advance of return.***

## Product Warranty

DEMA products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "O"-rings, diaphragms, PVC tubing, and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of DEMA products. If products are altered or repaired without prior approval of DEMA, this warranty is void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. DEMA assumes no liability for damages. Return merchandise authorization number must be granted in advance of returned units for repair or replacement (See "Merchandise Returns" above).

# WALL MOUNT TEMPLATE

