

DISPENSING SYSTEMS CATALOG



Dispensing Innovative Solutions

**DEMA**®

# STRATEGY STATEMENT



## Customized Solutions

Customization at DEMA could mean anything from a custom label to a fully custom product. We will use our customized solutions to help build and enhance our customer's brands.

## Industry Experience

One of DEMA's competitive advantages is the breadth and depth of our experience we have within our customers' industries. This enables us to solve problems our competitors (and sometimes even our customers) can't. We are better able to develop and implement customized solutions that create value for our customers.

## Flexible & Responsive Operations

We welcome the opportunity to develop customized solutions that meet the unique needs of our customers. Each department at DEMA has a role in making this flexibility possible:

- The Sales team makes accessibility a high priority. They aren't just selling a product—they serve as valuable consultants throughout the relationship.
- Engineering regularly and proactively interacts with customers—not just when there are problems.
- Marketing effectively helps customers capitalize on the opportunity to enhance their branding and differentiation through DEMA's products.
- Manufacturing adeptly handles prototyping, quick turns, custom pack-outs. DEMA offers lower minimum order quantities and stronger build-to-order capabilities than the competition.
- Quality Control is dedicated to continuous improvement and avoiding potential issues before they occur.
- Calls to Customer Service and Technical Support are answered by knowledgeable representatives who are well-connected with the rest of the company so that the right resources are deployed quickly on customer requests.
- The Administrative teams play a vital role in enabling all other departments to exceed customer expectations.

## Cultural Commitment to Customers' Success

All DEMA departments stay close to and interact with customers. We listen first. We recognize our customers rely on DEMA products in their businesses so we hold ourselves to the highest standards of service. We think long-term and prioritize relationships over short-term financial gain.



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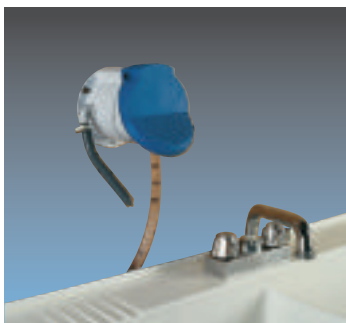


## 302 Series Hand Pump

Designed to pump 1 or 2 ounces (30 or 60 milliliters) of detergent, sanitizer, or other chemical into kitchen sink, bottle, dry cleaning machine, or any open container where chemical is mixed with water. Each push delivers 1 or 2 ounces with the pump automatically maintaining its prime for future use.



**302-1E**



**302-2S-SP**

### Features and Benefits

- 1 or 2 ounce pumps available (30 or 60 milliliters)
- Polypropylene body and polyethylene bellows for chemical resistance
- Epdm, silicone, or viton seals available on check valves
- Chemical does not come in contact with spring
- Mounts on any vertical or horizontal surface
- Optional spout available (part number 30-81-1)

MODEL No.	FLOW	CHECK VALVE SEAL
302-1E	1 ounce (30 ml)	EPDM
302-1S	1 ounce	Silicone
302-1V	1 ounce	Viton
302-2E	2 ounce (60 ml)	EPDM
302-2S	2 ounce	Silicone
302-2V	2 ounce	Viton

**Add suffix - SP at end of number for unit to include spout**

Example: 302-1E-SP

*EPDM seals recommended for detergent use*

*Silicone seals recommended for chlorine use*

*Viton seals recommended for solvent use*

## Faucet Mounted Proportioners

DEMA Faucet Proportioners attach to any standard faucet and dispense a chemical and water mixture into the sink by either pushing a button or sliding a knob. Chemical dilution is determined by using metering tips on some units and a metering screw adjustment on others.

### Models 151 and 153

Use color coded metering tips to determine dilution ratio

Standard tip kit is 100-15K

Ultra Lean tip kit is 100-15KU

### Model 154

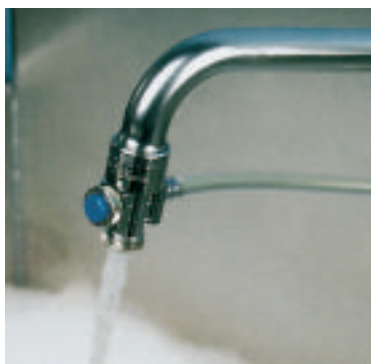
Use metering screw adjustment to determine dilution ratio

### Models 153 and 154

Includes a built in ASSE approved siphon breaker

### Models 167 and 167T

Uses a slide valve actuator to determine if a chemical solution is dispensed or water only. Unit is available standard with metering screw and metering tips.



**Model 153**



**Model 167**

### Special adapters available for faucet proportioners

**150-9-2** Irregular faucet adapter (uses rubber sleeve and worm clamp to attach on)

**150-21** Inside aerator thread adapter

**150-23** Outside Chicago thread adapter

**150-32** Inside Kohler thread adapter

## Single and Dual Sink Dispensers

### Model ProFill 651

Single Sink Dispenser dispenses one product into a kitchen sink with the turn of a ball valve. Available with Action Gap or air gap backflow protection and compression or garden hose connection.

### Model ProFill 652

Dual Sink Dispenser dispenses two products into a kitchen sink with the turn of a ball valve. Available with Action Gap or air gap backflow protection and garden hose connection. Also available with compression fittings with dual or single water inlet.

**Model Options:** GAP after model number for Action Gap (651GAP) and AG for air gap. Both have ASSE 1055 approval. Check local plumbing regulations for proper backflow. Add -1M or -2M (651 or 652) for compression fitting connection.



PF651GAP



PF652GAP

## Faucet Adapter Kits

### Model 68-4 Faucet Adapter Kit

Makes installing proportioning equipment over the sink neat and easy. The kit includes adapters for Chicago, Fisher, and T & S faucets. A pre-built manifold consisting of a tee, ball valve, and water hose allows user to control water flow to sink or dispenser.



68-4

### Model 68-4-2

Includes Fisher adapters only and manifold assembly

### Model 68-4-3

Includes Chicago adapters only and manifold assembly

### Model 68-4-4

Includes T & S adapters only and manifold assembly

### Model 68-21

T & S Scrap hose sink adapter kit

**Model 591 Water Diverter Valve** screws on end of faucet and diverts water to dispenser by pulling a plunger while water is on.



591

## Drain and Odor Control Dispensing Systems



257C Drain Chief



2500 Squirt

Automatically feeds chemicals into drains and grease traps to break up grease and detergent buildup and eliminate odors. Additional applications include odor control in dumpsters and trash chutes. Typical environments include food service, lodging, food processing, waste processing and water treatment.

### Model 257C & 257CV Drain Chief

Operates on 8 D-cell batteries or optional wall plug. Uses electronic timer for dosing activations and is capable of up to 8 feeds per 24 hours. Minimum 1 minute run time per event — programming in minutes — 4 ounce per minute pump rate.

### Model 2500 Squirt

Operates on 12V plug-in transformer. Uses electronic timer for dosing activations and is capable of up to 8 feeds per 24 hours. This small compact unit uses the Olympian pump platform. International versions available with plug-in adapters.

### Model 259CT Pro Scentnal

The Pro Scentnal unit is a 120 volt AC deodorizing dispenser that comes with an adjustable brass spray nozzle and delivers 18 ounces per minute. An electromechanical timer allows for 1-48 doses per 24 hours, a circuit board controls pump run times of 10 seconds to 10 minutes per on time. This dispenser is intended for spraying deodorizing chemicals into dumpsters, compactors, trash chutes and other applications for odor suppressants. The 259CT Pro Scentnal can be used without the spray nozzle as a traditional grease trap dispenser.



259CT Pro Scentnal



2504 Squirt DC

### Model 2504 Squirt DC

Squirt DC uses the same timer and Olympian pump platform as the Squirt but operates on 8 D-cell batteries. The electronic timer is capable of 8 feeds per 24 hours and the batteries are housed in a splash resistant ABS enclosure.

## TITAN Warewash Dispensers

### Probe and Probeless Operation with Auto-Switchover

DEMA's TITAN warewash dispensers were developed to reduce the number of service calls and create a more profitable installation. The unit can be set up in concentration, probeless or auto switchover mode. If set up in auto switchover mode, the unit will automatically switch over to probeless mode if any of the following conditions are met:

- Shorted, Open, or Limed up probe
- Dispenser over feeds for period of time

Once the condition is resolved, the unit will switch itself back to concentration mode. This feature greatly reduces the number of service calls and allow better use of service and sales groups' time.



**T-813-DLL**



**T-812-LL**



**81-118-18**  
Sanitizer/Rinse module



**No Tool Quick change**  
pump cover

### FEATURES and BENEFITS:

#### Enclosure

- Modular design allows for easy conversion to 3 products
- ABS material for durability
- Stainless steel mounting plate for easy wall removal
- Digital display

#### Pumps

- Quick change squeeze tube with no tools required
- Quick connect fittings
- Spring loaded 2-roller design for extended tubing life
- 16 ounces per minute with 60 RPM gear motor (detergent)

### Electronics and Programming Specifications

- Programmable with keypad for quick setup
- 100-265 VAC 50/60 Hz with auto-switching power supply
- Pre-wired for quicker installation
- Isolated trigger board for 24VAC to 480VAC
- Probeless alarms for liquid or dry products
- Diagnostic mode
- Feed rate adjustment adapts to size of machine
- Non-volatile memory allows pre-programming prior to installation
- Built in rack counter
- Multilingual display - English, Spanish, French and Portuguese
- Programmable company information and service message to personalize dispenser

MODEL NO.	NUMBER OF CHEMICALS	PUMP OR SOLENOID VALVE
T-811-L	1	Pump
T-811-D	1	Solenoid Valve
T-812-LL	2	Pump/Pump
T-812-DL	2	Solenoid/Pump
T-813-LLL	3	Pump/Pump/Pump
T-813-DLL	3	Solenoid/Pump/Pump

All models come complete with probe, detergent injection fitting, rinse injection fitting, mounting plate, and poly tubing

## TITAN and NITRO Accessories:

### Model 81-23-1 Magnetic Field Sensor (MFS)

Unique technology reduces installation time and creates a safer environment for service personnel. The MFS is a wireless pump activator that eliminates the need for a direct electrical connection to activate the solenoid or pump.

- Eliminate need for direct electrical connection to dish machine
- Provide electrical isolation from control circuits
- Eliminate need to get into control box on warewash machine

### Model 82-28-1 Inductive Probe

Higher technology probe designed so the coils never see chemical or hard water in the dish machine, thus making it a non-service item.

- Significant reduction in probe maintenance
- Temperature compensation built into probe
- Helps maintain more accurate detergent concentration detergent and rinse

### Out of product Alarm (OPA)

The OPA was designed to be an integral part of the Titan II or Nitro and plugs directly into the board with out of product warning displayed on the dispenser keypad. Its unique design isolates electronics from chemicals eliminating the potential for attack.

- Wires directly to dispenser for use with up to 3 products
- Audible alarm and out of product displayed for sanitizer, detergent and rinse
- Alarm sensor has green and red LED for additional out of product ID

**84-65-64** Sensor with 3/8" x 3/8" barb fitting

**84-65-65** Sensor with 3/8" x 3/8" JG fitting

**84-65-66** Sensor with 3/8" x 1/4" JG fitting

**84-65-67** Sensor with no fitting

## NITRO Digital Warewash Dispensers

The Nitro warewash dispenser line bridges the gap between compact basic dispensers and feature packed units too large for small kitchens. Nitro has the versatility to be used with or without a probe from the same unit and delivers premium features in a compact size with reduced installation and maintenance requirements.

### FEATURES and BENEFITS:

#### Enclosure

- Compact design fits almost anywhere
- Splash resistant ABS material for reliability and durability
- ABS mounting plate for easy wall mounting and removal
- Digital display

#### Pumps

- Proven Olympian pump platform
- Quick change pump cover for tool-less tube changing
- Entire pump easily removed by 1 screw for easy changing
- Detergent pump rate 6 oz per minute, rinse & sanitizer 1.35 oz.
- Separate pump module for sanitizer

### Electronics and Programming Specifications and general features

- Pre-wired power supply to reduce installation time
- 100-265 VAC 50/60 Hz with auto-switching power supply
- Isolated trigger board for 24VAC to 480VAC
- Password protected digital programming with keypad
- Built-in rack counter
- Multilingual display – English Spanish, French and Portuguese
- Programmable company information and service message
- Can use optional magnetic field reader for faster and safer installation and inductive probe for hard water environments

MODEL No.	NUMBER OF CHEMICALS	PUMP OR SOLENOID VALVE
N-LL-TA	2	Pump/Pump
N-DL-TA	2	Solenoid/Pump
N-LLL-TA	3	Pump/Pump/Pump
N-DLL-TA	3	Solenoid/Pump/Pump
O-ADC	1	Pump for Sanitizer



N-LL-TA



N-DL-TA

## NITRO EXPRESS Analog Warewash Dispensers



NE-DL-A



O-ADC Nitro/NE Sanitizer pump module

Nitro Express is the compact multi-feature dispenser with traditional analog programming. It has the versatility to be used with or without a probe from the same unit and has many of the same features as Nitro.

### FEATURES and BENEFITS:

#### Enclosure

- Compact design fits almost anywhere
- Splash resistant ABS material for durability
- ABS mounting plate for easy wall mounting and removal
- Low level alarm and active / signal LED and priming switches on the front of the unit

#### Pumps

- Proven Olympian pump platform
- Quick change pump cover for tool-less tube changing
- Entire pump easily removed by 1 screw for easy change out if necessary
- Detergent pump rate 6 oz per minute, rinse & sanitizer 1.35 oz.
- Separate pump module for sanitizer

### Electronics and Programming Specifications and general features

- Pre-wired power supply to reduce installation time
- 100-265 VAC 50/60 Hz with auto-switching power supplies
- Program using traditional DIP switches and potentiometers

MODEL No.	NUMBER OF CHEMICALS	PUMP OR SOLENOID
NE-LL-A	2	Pump/Pump
NE-DL-A	2	Solenoid/Pump
* NE-LLL-A-NP	2	Pump/Pump
* NE-DLL-A-NP	2	Solenoid/Pump
NE-LLL-A	3	Pump/Pump/Pump
NE-DLL-A	3	Solenoid/Pump/Pump
O-ADC	1	Pump for Sanitizer

\* 2 product systems shipped with 3 product board.  
Can accept a sanitizer pump addition



## Olympian Mini Pumps

Ideal applications include under-counter washers, glass washers, and small commercial machines.

### Specifications

- Dual voltage (115/230 VAC) or high voltage only (230 VAC) models
- Mini quick change pump allows tubing replacement in seconds
- Complete pump assembly removes without tools
- Units programmed via plug in 2 button programmer



**O-PDV**



**O-RDV and O-SDV**

Model No.	Application	Color	Specifications
O-PDV	Detergent	White	110 or 220 volt, time
O-PHV	Detergent	White	220 volt, time
O-RDV	Rinse	Blue	110 or 220 volt, speed control
O-RHV	Rinse	Blue	220 volt, speed control
O-SDV	Sanitizer	Blue	110 or 220 volt, speed control
81-245-1	Programmer		2 Button Programmer



**DNE-LL**

## DEMA Master NE Probe/Probeless Dispensers

Dema Master NE is the analog warewash dispenser that uses the Nitro Express circuit board and quick change blue pump. DemaMaster is easy to program with traditional analog programming and built to reduce installation and service.

- Probe or probeless from the same unit
- Pre-wired power supply to reduce installation time
- Quick change pump cover for tool-less tube changing

Model No.	No. of Chemicals	Pump or Solenoid
DNE-LL	2	Pump/Pump
DNE-DL	2	Solenoid/Pump
81-118-15WM	1	Add on Pump

## Detergent and Rinse Bowls

Detergent and Rinse Bowls dispense solid or encapsulated powders into dish machines, sinks, laundry machines, or any other open reservoir. DEMA offers 2 bowl designs for different applications that can be used for almost any solid product applications.

- Mount on any vertical surface or on top of a dish machine
- Molded plastic or brass siphon breakers meet ASSE 1001 Standard
- Compression and other fittings for easy and secure tube installations



**5800V**



**5800V-RB**

**5800V** Includes wall mounting kit and bulk head fitting for dish machine use. Uses DEMA plastic siphon breaker. Brass siphon breaker available (5800V-B).

**5800-RB** Solid rinse bowl with wall mounting kit and bulk head fitting plus solenoid valve and level control (24 VAC standard voltage).

**5800-RB-4** Solid rinse bowl with wall mounting kit and bulk head fitting plus solenoid valve and level control for use with Titan, Nitro, Nitro Express and DemaMaster NE dispensers.



**5800V-BV**

## Manual Bowl Dispensers

Uses a 1/4 turn ball valve to control water flow and dispense chemical into a kitchen sink or other reservoir. Needle valve controls chemical concentration by adjusting water flow. All the water flow is directed through a vacuum breaker to meet plumbing codes.



## Electronic Solid Products Bowls

### Model 581KS-1W Solid Laundry Dispenser



#### 581KS-1W

- Maximum delay is 20 minutes
- Maximum lock out time is 75 minutes
- Maximum run time is 5 minutes or 40 ounces

Suds JR is a machine triggered dispensing system designed to easily and economically dispense solid laundry products. Programming is done with a removable 2 button programmer to avoid end user tampering. Color LED's indicate which function is running (delay, run time and lock out) and which function is being programmed with the 2 button programmer.

### Model 581KIS-1W Solid Laundry Dispenser

Operates similar to the 581KS-1W but it includes an injector mounted below the equipment tray that mixes the diluted product from the bowl reservoir with water and delivers it up to 50 feet (15 meters) away from the dispenser.



#### 5800V-KS2

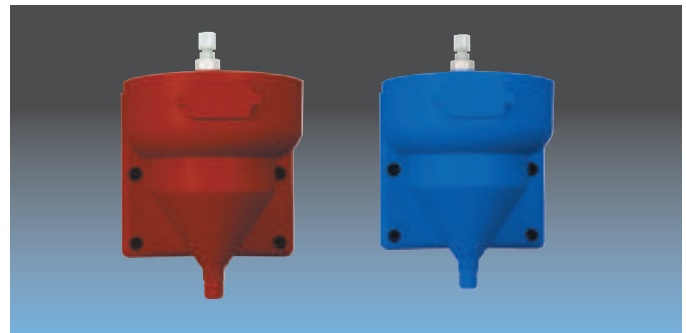
#### Super Bowl

The SuperBowl is a battery-operated solid / powder chemical dispenser for pot and pan, silver soak, or laundry applications. The circuit board has an adjustable run time of 3 seconds to 5 minutes, offers a mid-cycle shutoff, 2, 5, and 10 minute lockouts (or no lockout) KS1 & KS2 models can be triggered from a laundry machine and operated in timed or relay laundry operation. Warewash and Laundry units are available as battery operated ( 4 x alkaline AA batteries or with a plug in adaptor

## Mechanical Timer



#### 25-21-8



Red, Blue and custom bowl colors available

Mechanical timer needs no electricity or batteries and has a calibrated dial to control a timed water feed from 15-55 seconds. Can be used with 5800V, 5800V-B or other solid bowls.

## Bowl Options and Availability

Custom colors and logos are available with minimum order quantities. Additional bowls not listed are also available. Contact DEMA customer service for most current models and additional information.

MODEL NO.	DESCRIPTION
<b>Detergent and Rinse Bowls</b>	
5800V	Viking Bowl with plastic siphon breaker
5800V-B	Viking Bowl with brass siphon breaker
5800V-RB	Viking Bowl with solenoid and level control (24 VAC)
5800V-RB-4	Viking Bowl with solenoid and level control (24 VDC) for use with Titan, Nitro, Nitro Express and DemaMaster NE
<b>Manual Bowls</b>	
5800V-BV	Viking Bowl with ball valve and plastic siphon breaker
5800V-BV-B	Viking Bowl with ball valve and brass siphon breaker
<b>Electronic Bowls</b>	
581KS-1W	Viking Bowl with electronics
581KIS-1W	Viking Bowl with electronics and injector
5800V-KSP1	Battery operated Super Bowl
5800V-KSP2	SuperBowl with plug-in adaptor
5800V-KS1	Battery operated Laundry Super Bowl
5800V-KS2	Laundry Super Bowl with plug-in adaptor
<b>Miscellaneous</b>	
25-21-8	Mechanical Timer
Colored Bowls	Minimums apply      contact Customer Service
Logo Bowls	Minimums apply      contact Customer Service

## Warewash and Laundry Pump Squeeze Tubing

PART NO.	TUBE MATERIAL	TUBE SIZE	LENGTH	FITTINGS INPUT/OUTPUT	APPLICATION
<b>C2 Pump tubes for DM 811 &amp; 812 Dispensers</b>					
25.65CE.11	EPDM	1/2" OD X 1/4" ID	11"	None	Warewash and Laundry
25.65CV.11	Viton	1/2" OD X 1/4" ID	11"	None	Warewash and Laundry
25.65CA.11	Silicone	1/2" OD X 1/4" ID	11"	None	Warewash and Laundry
25.65CN.11	Santoprene	1/2" OD X 1/4" ID	11"	None	Warewash and Laundry
25.65RE.11	EPDM	1/2" OD X 3/16" ID	11"	None	Warewash -Rinse & Sanitizer
<b>C4 Pump tubes for DM 821 &amp; 822 Dispensers</b>					
25.89CE.14	EPDM	5/8" OD X 3/8" ID	14"	None	Warewash, Laundry and Industrial
25.154.14	Silicone	5/8" OD X 3/8" ID	14"	None	Warewash, Laundry and Industrial
<b>Quick Change Blue Pump Tubes for Titan and Atlas Dispensers</b>					
81.177.1	EPDM	7/16" OD X 1/4" ID	*	1/4" John Guest	Warewash and Laundry
81.177.2	EPDM	7/16" OD X 1/8" ID	*	1/4" John Guest	Warewash -Rinse & Sanitizer
81.177.4	Silicone	7/16" OD X 1/4" ID	*	1/4" John Guest	Warewash and Laundry
81.177.5	Viton	7/16" OD X 1/4" ID	*	1/4" John Guest	Warewash and Laundry
81.177.6	EPDM	7/16" OD X 1/4" ID	*	3/8" Barb	Warewash and Laundry
81.177.8	Viton	7/16" OD X 1/4" ID	*	3/8" Barb	Warewash and Laundry
81.177.9	Silicone	7/16" OD X 1/4" ID	*	3/8" Barb	Warewash and Laundry
<b>Large Blue Quick Change Pump for Atlas, 845 and 846 Dispensers</b>					
84.208.1	EPDM	5/8" OD X 3/8" ID	*	3/8" John Guest	Laundry and Industrial
84.208.2	EPDM	5/8" OD X 3/8" ID	*	3/8" Barb	Laundry and Industrial
84.208.3	Silicone	5/8" OD X 3/8" ID	*	3/8" John Guest	Laundry and Industrial
84.208.4	Silicone	5/8" OD X 3/8" ID	*	3/8" Barb	Laundry and Industrial
84.208.5	Viton	5/8" OD X 3/8" ID	*	3/8" John Guest	Laundry and Industrial
84.208.6	Viton	5/8" OD X 3/8" ID	*	3/8" Barb	Laundry and Industrial
<b>Olympian Quick Change Pump for Olympian, Nitro, Nitro Express, Top Shot and Squirt Dispensers</b>					
81.231.1	EPDM	11MM X 5MM	*	1/4" Compression	Warewash, Laundry and other
81.231.6	Silicone	11MM X 5MM	*	1/4" Compression	Warewash, Laundry and other
81.231.4	EPDM	11MM X 5MM	*	Cone Fitting	Warewash, Laundry and other
81.231.5	Silicone	11MM X 5MM	*	Cone Fitting	Warewash, Laundry and other
* Fitted for appropriate DEMA pumps				Other tubing options available contact customer service	

## Warewash Probes and Fittings

<b>C-12VIK</b>	Detergent Flip Probe
<b>81-28-1</b>	Inductive Probe (For Titan and Nitro only)
<b>80-55</b>	90° Fitting for Liquid Detergent Connection
<b>81-260-1</b>	Universal 90° Fitting Connection (3/8 or 7/8 hole size)
<b>58-5</b>	70° Injection Fitting for Bowl Connection
<b>904-8S</b>	1/4" Tube X 1/8" NPT Stainless Check Valve, Stainless Ball
<b>904-8T</b>	1/4" Tube X 1/8" NPT Stainless Check Valve, Teflon Ball
<b>904-8KY</b>	1/4" Tube X 1/8" NPT Kynar Check Valve, Stainless Ball
<b>904-4S</b>	1/8" Tube X 1/8" NPT Stainless Check Valve, Stainless Ball
<b>904-4T</b>	1/8" Tube X 1/8" NPT Stainless Check Valve, Teflon Ball

## Solenoid Valves

<b>442J-WW-4B</b>	Brass Solenoid Valve with cover and bracket
<b>81-316-6</b>	Solenoid Valve Kit for Nitro and Nitro Express
<b>81-118-19</b>	Solenoid Valve Kit for Titan

C-12VIK



80-55



58-5



904-8S



904-8KY



81-260-1



## Warewash and Laundry Motors

Model No.	Voltage	RPM	Dispenser
<b>80-59-15MK-1</b>	24 VDC	15 rpm	Titan and Atlas
<b>80-59-60MK-1</b>	24 VDC	60 rpm	Titan and Atlas
<b>80-59-105MK-1</b>	24 VDC	105 rpm	Titan and Atlas
<b>81-13-115MK</b>	115 VAC 60Hz	115 rpm	846
<b>81-14-230MK</b>	230 VAC 60 Hz	115 rpm	846
<b>81-15-115MK</b>	115 VAC 60 Hz	60 rpm	846
<b>81-17-230MK</b>	230 VAC 50 Hz	115 rpm	846
<b>81-289-230MK</b>	230 VAC 50/60 Hz	60 rpm	846
<b>81-316-10</b>	24 VDC	118 rpm	Nitro / NE
<b>81-316-11</b>	24 VDC	35 rpm	Nitro / NE

## Miscellaneous Parts

<b>58-2</b>	ASSE 1001 Approved Plastic Siphon Breaker with Fittings
<b>81-53</b>	Test Kit
<b>80-66</b>	10" Pick Up Tube 1/4" ID
<b>80-66-2</b>	18" Pick Up Tube 1/4" ID
<b>81-312-1</b>	12" Pick Up Tube 1/4" ID
<b>81-312-3</b>	17" Pick Up Tube 1/4" ID

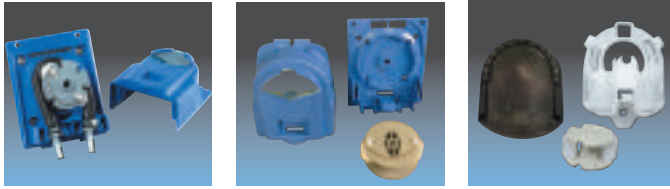
81-53



58-2



## Pump Head Kits



**QC Blue Pump    Large Blue Pump    Olympian Pump**

### Quick Change Blue Pump

**81-118-15** Detergent Pump Kit-2 Roller Spring Loaded

**81-118-16** Rinse Pump Head Kit-3 Roller Fixed

**81-118-17** Detergent Pump Kit-2 Roller Fixed

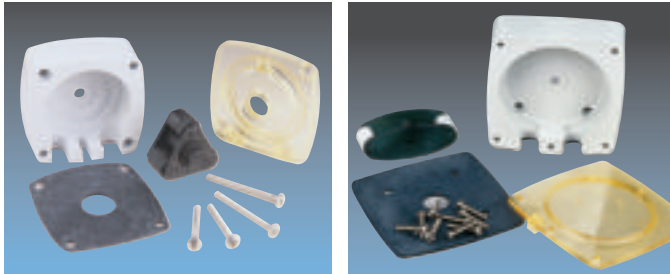
### Large Blue Quick Change Pump

**84-65-41** Pump Kit complete

### Olympian/Nitro Quick Change Pump

**81-316-8** Detergent Pump Kit – 2 Roller complete

**81-316-9** Rinse Pump Kit – 3 roller complete



**25-C2**

**25-130-1**

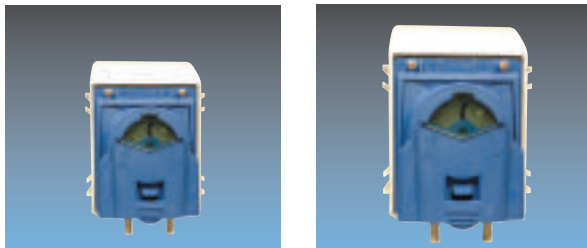
### C2 and C4 Pump

**25-C2** Tri-Roller Rinse Pump Complete

**25-C2D** Dual Roller Detergent Pump Complete

**25-130-1** Large Pump Kit Complete

## Pump Modules



**QC Blue Pump Module**

**Large Blue Pump Module**

### Quick Change Blue Pump

**81-118-18** 15 rpm Pump Module Kit

**81-118-22** 60 rpm Pump Module Kit

**84-65-29** 105 rpm Pump Module Kit with 3/8" JG fittings

**84-65-30** 105 rpm Pump Module Kit with 3/8" Barb fittings

### Large Blue Quick Change Pump

**84-65-36** 105 rpm Pump Module Kit with 3/8" JG fittings

**84-65-37** 105 rpm Pump Module Kit with 3/8" Barb fittings

## Laundry Kits



### Laundry Conversion Kits

**84-65-57** AC Laundry Conversion Kit with on board programming

**84-65-1E** AC Laundry Conversion Kit EDSM and Data Grip Ready

**84-65-57**



### Valve Module Kits for ATLAS

**84-65-32K** Flush Manifold Valve and Plumbing Connection Kit

**84-65-32** Flush Manifold Valve Kit

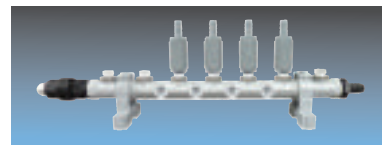
### Remote Valve Kit

**95-RV** Remote Solenoid Valve for use with 951 Flush Series

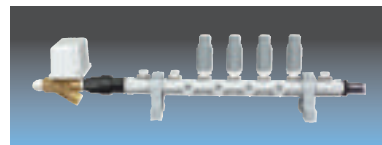
**84-65-32K**

## 951 Flush Manifold Series

951 Flush Manifold dilutes concentrated product with water and delivers chemical solution to laundry machines in a safe and efficient manner. Flush manifold comes complete with optional solenoid valve, and up to eight chemical inlets. Inlets are either 3/8" push on or 3/8" barb fittings. Units can be field converted from one connection to another.



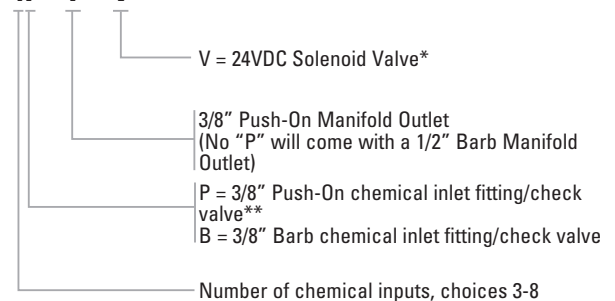
**951-4B**



**951-4PV**

## Options and Availability

### 951 - 4P - P - V



\*951 Manifolds can be setup with flush solenoid valve or without a flush solenoid to accommodate a valve mounted at the dispenser (84-35-32)

\*\*1/4" Push-On chemical inlet/check valve is available (951-4P-P14, 951-4P-P14V)



## 844P Atlas Laundry System

Atlas is the premier on-premise laundry system with a unique modular design that provides easy addition of up to 7 pumps for greater flexibility. Atlas can accommodate 2 different pump sizes to handle an array of machines, capacities and applications. Choose between the industry proven standard Quick Change Blue Pump for 16 ounce (475 ml) per minute or the Large Blue QC Pump for 50 ounces (1480 ml) per minute.

### Atlas Features:

- ABS enclosure with formula select keypad and display
- Modular design that accommodates from 2-7 pumps (6 pumps with a flush manifold)
- Two quick change pump options for regular or large volume
- Multiple tube options to handle virtually any chemistry
- Quick connect John Guest or barb connection options
- 100-265 VAC 50/60 Hz with auto-switching power supply
- 24 VDC 105 rpm gear motors
- Optional USM formula remote for user formula selection
- Separate stand alone EDSM remote for programming and formula storage plus can be used for formula selection
- Data collection and reporting capable through optional Data Grip (can be used for programming/formula selection)
- Order with no remote, with USM or with ESDM.



### 844P-5PPJJJ-V

#### Options and Availability

#### 844P - 5 PPJJJ-V U

- Optional remote U = USM E = EDSM (blank = none)
- D = Data Grip
- Optional flush solenoid valve V
- \*Pump configuration from left to right
- P = Large Blue Pump, EPDM tube, and JG fittings
- J = Blue QC Pump, EPDM tube and JG fittings
- Number of Pumps
- Model number

\*Additional pump, tube and connection configurations are available. Contact customer service for additional models.

#### COMMON MODELS:

Model No.	Description
844P-4JJJJ-U	4 Blue QC pumps with EPDM tubes, 3/8" JG fittings and USM remote
844P-5JJJJJ-E	5 Blue QC pumps with EPDM tubes, 3/8" JG fittings and EDSM remote
844P-5NNNNN	5 Blue QC pumps with EPDM tubes, 3/8" barb fittings and NO remote
844P-5PPJJJ-U	5 pumps (2 Large Blue and 3 QC Blue) with EPDM tubes, 3/8" JG fittings, USM remote

## 846E Industrial Laundry Master Dispenser

The 846E has all the same electronic and programming features as the Atlas but in a large stainless steel case that can accommodate up to 6 Large Blue (50 oz / 1480 ml per min.) or large C4 (40 oz. / 1185 ml per min.) pumps. The 846E uses AC pump motors for unmatched durability in industrial applications.

### 846E Features:

- Stainless Steel enclosure that can accommodate up to 6 pumps
- 100-230 VAC 50/60 Hz auto switching power supply
- 115 or 230 VAC 115 rpm gear motors
- Four pump options with multiple volume and other features
- Multiple tube options to handle virtually any chemistry
- Optional USM formula remote for end user formula selection (not required)
- Separate stand alone EDSM remote for programming and formula storage plus can be used for formula selection
- Data collection and reporting capable through optional Data Grip (can be used for programming/formula selection)
- Order with no remote, with USM or with ESDM.



### 846E-6ZZZZZZ Shown with C4 pumps

#### 846E Options and Availability

#### 846E - 5 TTTTT - U

Option remote U = USM E = EDSM (blank = none) D = Data Grip

\*Pump configuration from left to right

- T = Large Blue Pump, EPDM tube, JG fittings, 115 VAC
- S = Large Blue Pump, EPDM tube, barb fittings, 115 VAC
- Z = C4 Pump, EPDM tube, no fittings, 115 VAC

Number of Pumps

Model number

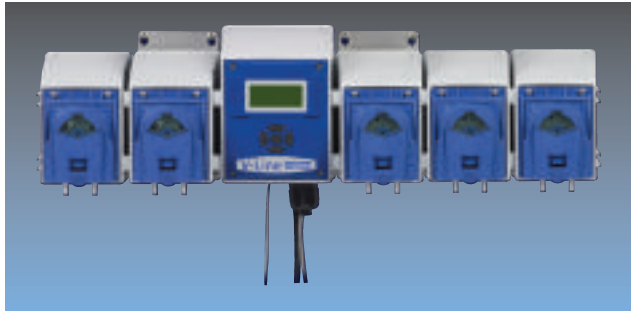
\*Additional pump, tube and connection configurations are available. Contact customer service for additional models.

#### COMMON MODELS:

Model No.	Description
846E-6SSSSSS	6 Large Blue pumps with EPDM tubes, 3/8" barb fittings, 115 VAC, no remote
846E-6TTTTTT	6 Large Blue pumps with EPDM tubes, 3/8" JG fittings, 115 VAC, no remote
846E-6ZZZZZZ	6 C4 pumps with EPDM tubes, no fittings, 115 VAC, no remote

Note that an EDSM (or Data Grip) is required for programming a 844P and 846E but can be used for multiple units

## V-Line OPL



**8410J-50**

V-Line is the perfect on-premise laundry system for smaller facilities where value and flexibility are critical but performance must be second to none. V-Line features a modular design to accommodate up to 6 pumps and uses the proven performance of DEMA's standard Quick Change Blue Pump at 16 ounce (475 ml) per minute or the Large Blue QC Pump for 50 ounces (1500 ml) per minute.

### V-Line Features:

- Designed to be fast and convenient for smaller OPL installations
  - Pre-wired for main power and trigger signals
  - Optional Magnetic Field Sensor eliminates direct trigger wiring
  - Easy to copy programming from one dispenser to another
- Can be used with up to 6 pumps or 5 pumps with a flush manifold
- Intuitive menu driven programming on dispenser
  - Digital display in 4 languages - English, Spanish, French and Portuguese
  - Program up to 9 formulas with password protection



**844-40BBBB0**

## 844 Laundry Master II

The 844 is a smaller stainless cabinet that can be equipped with 3 to 8 pumps, uses the USM for formula selection and has on-board programming. The 844 can be equipped with the QC Blue Pumps or the C2/C4 pump.

### 844 Features:

- Stainless Steel enclosure accommodates up to 8 pumps
- Four pump options with volume from 10 ounces (300ml) per minute to 50 ounces (1480ml) per minute
- 115-230 VAC 50/60 Hz power supply (smart voltage hookup)
- Multiple tube options to handle virtually any chemistry
- 20 formula capability and separate USM formula remote
- On-board digital (IQ-81) programming

## 845 Industrial Laundry Master

The 845 has all the same electronic and programming features as the 844 but in a larger stainless case that can hold up to 6 Large Blue (50 oz / 1480 ml per min.) or C4 (40 oz. /1185 ml per min.) pumps. The 845 uses a 115-230 VAC 50/60 Hz power supply and DC pump motors. Two additional pumps can be included with modular enclosure.

### 846 AC Models with no electronics

**846-6NE115** 6 pump AC Dispenser with no electronics (115VAC)

**846-6NE230** 6 pump AC Dispenser with no electronics (230VAC)

## DEMA Laundry Features:

**All DEMA Atlas 844, 845, 846 and V-Line OPL Systems have these common features and modes**

**AUTO FORMULA SELECT:** Allows laundry machine microprocessor to choose formula soil classification by sending an appropriate length signal to main control board.

**RELAY:** Allows laundry machine microprocessors to control all functions of the dispenser. Will accept any number of programs sent by the laundry microprocessor.

**SEQUENCE:** Used on non-programmable, fixed time, and older machines that do not have adequate programming functions. Operates by counting drain closings and pumping pre-determined amounts of product at correct drain closing.

**MANUAL FORMULA SELECT:** 9 formula keypads allow non-microprocessor laundry machines to have specific formulas for various soil classifications. Both keypads have bleach defeat and emergency stop buttons.

## Programming, Reporting and Formula Select Remotes



**84-65-38**

### Enhanced Digital Select Module EDSM II Remote

The EDSM II is a hand held remote used to program the Atlas and 846E dispensers and can also be used as an end user formula select. It can store up to 30 formulas and be used to program any number of Atlas or 846E dispensers. The EDSM II can be customized with formula names, has multi-language programming and is password protected.

## Programming, Reporting and Formula Select Remotes

### Data Grip Data Collection and Reporting Module

Data Grip is a hand held data collection system designed for use with the Atlas and 846E. Data Grip's portable design is ideal for periodic monitoring, audits and troubleshooting problem accounts and can be used as the primary formula selector in place of an EDSM or USM

- Multi-language display and reports – English, Spanish, French and Portuguese
- Calculates product usage, product cost and formula costs in fluid ounces gallons and pounds or milliliters liters and kilograms
- Three different time period reports available – Date to Date, Billing Date and Billing Cycle
- Concise printable reports downloaded via USB port & USB device



84-65-39DG

### Universal Select Module (USM) End User Formula Selector and Operator Select Module (OSM)

The USM/OSM remotes are an optional formula selector for Atlas LaundryMaster and V-Line dispensers. The USM/OSM provides a convenient easy to understand formula selectors.



84-65-31  
for Atlas  
& 844



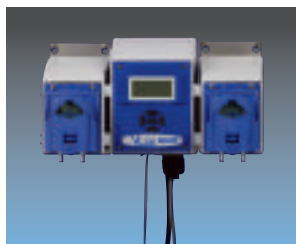
84-65-53  
for V-Line

## V-Line RS

V-Line RS is designed to handle residential style and other smaller machines when few products are required but multiple formula choices are needed. V-Line RS features a modular 1 or 2 pump design using DEMA's proven quick change blue pumps and the new IQ 50 board for up to 9 formulas.

### V-Line RS Features:

- Simple mount and plug 2 step installation with factory installed stainless wall bracket and power cord with plug
- Simplified setup with factory pre-programming for 1-2 pump operation and user start operation mode
- Easy user activation with remote start module or intuitive button on dispenser
- Easily expandable to 3-6 pump for OPL applications



8410RSJ-20

## 8400 Top Shot

8400



Top Shot is a low cost option for home style laundry machines and perfect for self serve, low volume or special one product applications. Top Shot is designed using the proven Olympian platform and is ideal for home style up to 75 lb. (35 kg.) commercial machines and available with EPDM or Silicone Squeeze tubes.

**8400 Top Shot** Single product with remote start and installation kit

**8401 Top Shot** 230 V International model

**81-245-1** Remote programmer needed for 8400

## 830 Series Single and Multi-Product

830 Series LaundryMaster dispensers are designed to dispense 1 or 2 products into top loading, coin operated, and other laundry machines up to 100 lb. (45 kg.) capacity. Pumps are triggered by a signal from the laundry machine or by pushing start button.



830K-1-1

**830K-1-1** Single product with installation kit

**831K-1-1** Two product laundry with installation kit

**83-R1** One button remote start switch

**83-R2** Two button remote start switch

**Additional models available**, contact customer service

## Out of Product Alarm



Designed for use with the Atlas, 846E or as a stand alone system, the Low level alarm can be used for laundry, warewash or other applications when out of product notification is necessary. Visual and audible alarms are activated when the low level sensor is

triggered. An LED light with space to identify the product name on the unit identifies which product needs changing. Its unique design isolates electronics from chemicals eliminating the potential for attack.

**84-65-48** Stand alone unit

**84-65-49** Add on unit for Atlas or V-Line

**84-65-64** Sensor with 3/8" x 3/8" barb fitting

**84-65-65** Sensor with 3/8" x 3/8" JG fitting

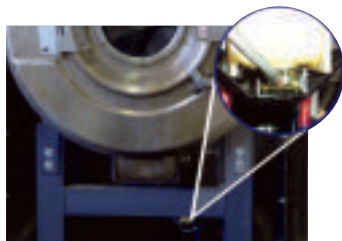
**84-65-66** Sensor with 3/8" x 1/4" JG fitting

**84-65-67** Sensor with no fitting



## Magnetic Field Sensor

DEMA's Magnetic Field Sensor is the unique pump activator that requires no wiring to machine to simplify installation, reduce install time and create a safer environment for the installation. Can be used on Atlas and V-Line.



82-23-1

- Sensor attaches easily to drain valve and activates the pump in SEQUENCE mode
- Provides laundry machine interface for sequence or "drain" mode applications and multiple signal applications

## SafeLink Adaptive Closed Loop System

SafeLink adaptive closed loop no chemical contact system is designed to minimize chemical exposure when connecting and changing chemical concentrates in virtually any dispensing equipment. SafeLink is a 2 part system with a chemical bottle insert used in chemical packaging and a cap assembly that attaches to any chemical dispenser.



The SafeLink insert fits in standard 38mm bottle necks and works easily in most chemical production environments.

SafeLink cap assemblies are designed for the toughest environments and works with any dispensing system for fast connection to chemicals and eliminates chemical exposure when connecting and changing products.

SafeLink minimizes exposure to chemical concentrates, enhances worker and environmental safety, controls use and reduces cost. SafeLink is spill proof, tamper-resistant and is built with an optional lock & key design to ensure use of the correct product with each dispenser or product position. And with hundreds of dispensing and dosing options, DEMA can incorporate SafeLink into any equipment solution.

### A closed loop system incorporates three key components:

The container insert fits inside the bottle neck and contains the chemical concentrate to ensure against leaks or spills and protect handlers from exposure.

The cap adaptor connects the chemical concentrate container to the dispensing system, opening the valve to complete the Closed Loop.

The Valve controls the accurate dilution of the chemical to ensure performance, controls the flow of the chemical for maximum efficiency and to prevent backflow that could cause loss of prime.

## SafeLink Inserts and Cap Adaptors

SafeLink inserts and cap adaptors are available in 13 different colors to prevent mixing mistakes, facilitates maintenance operation and training. Available in red, brown, yellow, purple, grey, white (natural), blue, green, dark blue, orange, pink, black and light green.



### Optional Features

#### Insert Designs - spill proof, active vent and chemical resistance

Spill proof inserts eliminate potential leaking and greatly reduces potential worker exposure and misuse over typical closed loop inserts but do not allow active venting for products that off-gas.

Active venting inserts are available for products that need to off gas.

Both designs are made with standard chemical resistant material for most chemical products and high chemical resistant materials for the most corrosive and aggressive chemical concentrates.



### Insert Lock & Keys

Different interfaces or mating between cap and insert work as a lock and key. Different lock and keys allow you to ensure that the right chemical is at the right location. Exclusive keys are available to protect your equipment investment.



### Insert Draw Tube Length

Four standard size draw tubes are available for bottles from 2.5 gal (5L), 1gal round and F-style (4L) or 1/2 gal (2L). Custom tube lengths are also available.

### Metering Tips

SafeLink is available with or without metering tips. Metering tips enable tamper resistant dilutions inside the chemical for pre-set dilutions from 1:4 to 1:512. No metering tip allows for changeable dilutions at the dispenser or proportioner.

### Cap Barb Size

1/4" barbs are ideal for standard housekeeping and warewash dispensers. 3/8" barbs are designed for standard laundry dispensers.



### Cap Barb Type

1/4" straight available in all colors, 1/4" 90 degree, 3/8 straight and 3/8" 90 degree available in white and limited colors.

## SafeLink ONE

Designed to be safe, ergonomic and multi-purposed, the SafeLink One (SL1) portable dispensing system continues the tradition at DEMA of creating products designed with the end user in mind. The SL1 reduces the need to fill at the supply closet and takes the dispensing system with the user. Need to fill the mop bucket on the spot? Your SL1 can do that. Need to spray down equipment? Your SL1 can do that too. The SL1 is the answer to on the go dispensing needs.

### SL1 features:

- Dual dilution proportioner with 20 possible metering options and multiple flow rate choices
- Sprayer for maximum coverage over an area
- Foamer designed with the ability to access hard to reach areas
- Dual fill dispenser for filling spray bottles and mop buckets



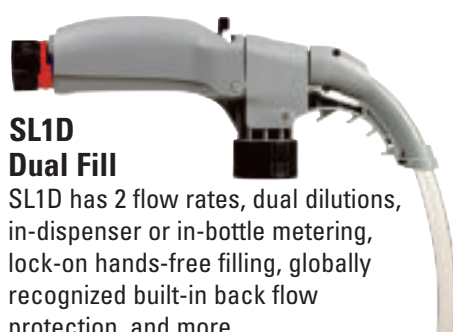
SL1 is an extension of the SafeLink closed loop chemical management system. Continuing the tradition of SafeLink, the SL1 provides the end user with a spill and leak proof system. Additionally, you can utilize specialized proprietary lock-out keys ensuring that the right chemical is always being used in the right place.

## Customize your SafeLink ONE model options



### SL1S Single Fill

SL1S has in-dispenser or in-bottle metering, lock-on hands-free filling, globally recognized built-in back flow protection, and more.



### SL1D Dual Fill

SL1D has 2 flow rates, dual dilutions, in-dispenser or in-bottle metering, lock-on hands-free filling, globally recognized built-in back flow protection, and more.

## Spray & Foam Options available for either single or Dual fill dispensing units



SL1SS-1

### Single Fill with Basic Sprayer-Foamer

The Basic Sprayer-Foamer provides versatility and economy.



SL1DS-4

### Dual Fill with Premium Spray/Foam Applicator

The Premium Spray/Foam Applicator, featuring 4' hose extension, is the most practical and ergonomic solution on the market.

Dispensers	Model No.
<b>Single Flow / Dilution</b>	
Low Flow (1 GPM / 4 LPM)	SL1S-1
Medium (2.5 GPM / 9 LPM)	SL1S-2
High (4 GPM / 15LPM)	SL1S-3
Basic Spray / Foam	SL1SS-1
Premium Spray / Foam	SL1SS-2
<b>Multi Flow / Dilution</b>	
Low / High Flow	SL1D-1
Lean / Rich Dilution	SL1D-2
Basic Spray / Foam	SL1DS-1
Basic Spray / Foam with Rinse	SL1DS-2
Premium Spray / Foam	SL1DS-3
Premium Spray / Foam with Rinse	SL1DS-4

Parts & Kits	Model No.
<b>Single Flow / Dilution</b>	
Basic Spray and Foam Kit	52-100-1
Premium Spray and Foam Kit	52-100-2
Basic Sprayer Hose Assembly	52-33-9
Premium Sprayer Hose Assembly	52-33-6
Universal Foamer Attachment	52-34-1
Fill Tube Assembly	52-33-1

**NOTE:** Models listed are without backflow preventer. For Action Gap backflow preventer, add GAP to part number. Example: SL1S.1 becomes SL1SGAP.1 for built-in Action Gap backflow preventer. Additional dispensers are available and not listed.

## DEMA One



For products that can't use closed loop inserts, DEMA has developed an open feed portable dispenser designed for multiple product use. Based off the major design features of SafeLink One, the DEMA One incorporates those into an offering with a dip tube attachment. Sized for 38mm neck openings and will work with ½ gallon (2L), 1 gallon (4L), 2.5 gallon (5L) bottles and available for custom sized bottles as well, as required.

**NOTE:** Available in the full range of portable dispensers shown on Page 14. For part numbers, replace SL with DM in the part number. Example: SL1S.1 becomes DM1S.1.

## Extreme 4

The Extreme 4 is the next step in functionality, technology and design for our Dilution at Hand series of dispensers. A four product locking enclosure designed for chemical bottles sized between 1L and 3L, where ½ gallon (2L) f-style fits perfectly. With neutral tones, the Extreme 4 fits any brand profile with ease. Utilizing the latest advances in DEMA technology, one selector dial controls two selector valves allowing you to dilution at up to 8 different ratios through one control. Security is at a premium, with a 6 point locking system controlled at one locking point. Offered in multiple variations, the Extreme 4 is built to meet your needs.



### Extreme 4 features:

- One enclosure secures chemicals and components, plus minimizes size and wall space
- One dial to control selector for both bottle and bucket products
- Dilution at 8 different ratios across bottle and bucket fill options
- Maximized branding opportunity with neutral color palette and large smooth, flat surfaces
- Chemical shelves are designed for ½ gallon (2L) and work great with 3L bottles
- Remote fill option for easy filling of buckets and scrubbers when location flexibility is required
- One-hand bottle fill allows operator more flexibility when filling spray bottles
- Action Gap and air gap backflow options to meet local plumbing agency requirements



Dispensers	Model No.
Bottle Fill, Push Button Bucket Fill	665GAP
Bottle Fill, Remote Bucket Fill	665GAPRF
Bottle Fill, Push Button Bucket Fill, SafeLink Ready	665GAP-SL
Bottle Fill, Remote Bucket Fill, SafeLink Ready	665GAPRF-SL

**NOTE:** Models listed are with Action Gap backflow preventer. For air gap substitute AG for GAP in part number. Example: 665GAP becomes 665AG. Additional dispensers are available and not listed. Additional components may be needed to run products at multiple dilutions.

**Contact DEMA customer service or your Regional Manager with any questions**



## Dilution at Hand™ Extreme Dispensing System

The Dilution at Hand (DAH) Extreme has a sleek design and enhanced color scheme that provides a modern appearance in any housekeeping environment plus multiple features to enhance productivity and dispensing flexibility. DAH Extreme offers the convenience of 1 handed bottle filling and point of use remote bucket fill activation. Its modular design allows the dispensers to be used with or without locking cabinets and with or without selector valves for the ultimate flexibility from 1 to 8 product options.

### Dilution at Hand™ Extreme features:

- Remote fill option for easy filling of buckets and scrubbers when location flexibility is required
- One-hand bottle fill allows operator more flexibility when filling spray bottles
- Action Gap and Air Gap backflow options to meet local plumbing agency requirements
- Sleek design and enhanced color scheme to present modern appearance for end user accounts
- Snap-together selector valve design reduces number of components from 14 to 5, and eliminates all metal components resulting in a maintenance free selector
- 1 gallon-per-minute flow control disc improves dispensing accuracy with ultra lean dilutions as compared to other dispensing systems
- Optional 1 gallon (5L) or 2 liter (1/2 gal.) locking enclosures are available to meet today's various packaging sizes and feature:
  - Modular design allows any number of cabinets to be coupled together
  - Built-in hinges improve cabinet durability
  - Molded drip tray snaps into locking enclosure



**801GAP**



**802GAP**



**804GAPRF**



**830GAPRF-Q1G**



**802GAPRF-S1G**



**ONE HAND  
BOTTLE FILL**



**REMOTE BUCKET FILL**

### Single Station Options / One Fill Port Option

Single stations are available with the following options:

1. Bottle fill or bucket fill. Choose either low flow bottle fill or high flow bucket fill with activation at the unit or remote point of use activation.
2. Dedicated single product or multi-product/dilution. Choose either a dedicated product fill port or a fill port with selector valve for up to 4 products or 4 dilutions.
3. Stand alone or with locking enclosure/s or rack. Choose from either 1 gallon (5 L.) or 2 liter (1/2 Gal.) locking modular enclosures or a 1 gallon / 3+ liter rack for either 1 product or 4 products. The modular enclosures snap together to form any combination of cabinets

## Dual Station / Two Fill Port Option

Dual stations have two filling ports and available with the following options:

1. Bottle fill only, bottle & bucket fill or bucket fill only. Choose any combination of low flow bottle fill or high flow bucket fill. Bucket fill is available with activation at the unit or remote point of use activation.
2. Dedicated single product or multi-product/dilution at each port. Each fill port can be dedicated to a single product or equipped with a selector valve for up to 4 products or 4 dilutions. With 2 filling ports, a dual station can dilute from 1 to 8 products or 8 dilutions.
3. Stand alone or with locking enclosure/s or rack. Choose from either 1 gallon (5 L.) or 2 liter (1/2 gal.) locking modular enclosures or a 1 gallon / 3+ liter rack for either 1 product or 4 products. The modular enclosures snap together to form any combination of cabinets.



**FLOW CONTROL DISC**



**SELECTOR VALVE**



**BUILT IN HINGE**



**822GAPRF**



**830GAPRF**



**831GAP**

DISPENSER DESCRIPTION	MODEL NUMBERS						
	DISPENSER ONLY	DISPENSERS WITH LOCKING ENCLOSURE/S					
		SINGLE (ONE) ENCLOSURE		DUAL (TWO) ENCLOSURES		QUAD (FOUR) ENCLOSURES	
		1 GAL / 5 LTR	2 LITER / 1/2 GAL	1 GAL / 5 LTR	2 LITER / 1/2 GAL	1 GAL / 5 LTR	2 LITER / 1/2 GAL
<b>SINGLE STATION FOR 1 PRODUCT</b>							
Bottle Fill	801GAP	801GAP-S1G	801GAP-S2L				
Bucket Fill	802GAP	802GAP-S1G	802GAP-S2L				
Bucket Fill with Remote Activation	802GAPRF	802GAPRF-S1G	802GAPRF-S2L				
<b>SINGLE STATION WITH DIAL-A-BLEND SELECTOR (1-4 PRODUCTS)</b>							
Bottle Fill for 4 Chemicals	803GAP					803GAP-Q1G	803GAP-Q2L
Bucket Fill for 4 Chemicals	804GAP					804GAP-Q1G	804GAP-Q2L
Bucket Fill for 4 Chem. with Remote Activation	804GAPRF					804GAPRF-Q1G	804GAPRF-Q2L
Bottle Fill for 1 Chemical at 4 Dilutions	805GAP	805GAP-S1G	805GAP-S2L				
Bucket Fill for 1 Chemical at 4 Dilutions	806GAP	806GAP-S1G	806GAP-S2L				
Bucket Fill for 1 Chem. at 4 Dil. w/Remote Fill	806GAPRF	806GAPRF-S1G	806GAPRF-S2L				
Bottle Fill for 4 Chem. w/ 1 Handed Fill Only	809GAP					809GAP-Q1G	809GAP-Q2L
<b>DUAL STATION FOR 1-2 PRODUCTS</b>							
2 Bottle Fill Ports	820GAP			820GAP-D1G	820GAP-D2L		
1 Bottle and 1 Bucket Fill Ports	822GAP	822GAP-S1G	822GAP-S2L	822GAP-D1G	822GAP-D2L		
1 Bottle and 1 Bucket Fill w/ Remote Fill	822GAPRF	822GAPRF-S1G	822GAPRF-S2L	822GAPRF-D1G	822GAPRF-D2L		
2 Bucket Fill Ports	824GAP			824GAP-D1G	824GAP-D2L		
<b>DUAL STATION WITH DIAL-A-BLEND SELECTOR/S (1-8 PRODUCTS)</b>							
1 Bottle Fill Port with Selector (up to 4 Chem.) and Bucket Fill for 1 Chemical	830GAP					830GAP-Q1G	830GAP-Q2L
1 Bottle Fill Port with Selector (up to 4 Chem.) and Remote Bucket Fill for 1 Chemical	830GAPRF					830GAPRF-Q1G	830GAPRF-Q2L
1 Bottle Fill Port with Selector 1 Chemical at 4 Dilutions and Bucket Fill for 1 Chem./Dilution	832GAP	832GAP-S1G	832GAP-S2L	832GAP-D1G	832GAP-D2L		
Dual Selector Valves for Bottle and Bucket 8 total products (1-4 each selector)	831GAP					831GAP-Q1G	831GAP-Q2L
Dual Selector Valves for Bottle and Remote Bucket 8 total products (1-4 each selector)	831GAPRF					831GAPRF-Q1G	831GAPRF-Q2L

**NOTE:** Action gap back flow preventer listed. For air gap substitute AG for GAP in part number (examples: substitute 801AG for 801GAP). Additional dispensers are available and not listed.

Additional components may be needed to run product/s at multiple dilutions. **Contact DEMA customer service or your Regional Manager with any questions.**

## Blend Safe II Dispensing System

Blend Safe II is a modular dispensing system with the flexibility to be used with or without locking cabinets and options to dilute 1-4+ products with 2 fill rates. The cabinets come with removable drip trays, can be mounted vertically or horizontally and hold bottle sizes up to 5 liters (1.3 gal). Models listed include Action Gap backflow. Use AG instead of GAP for air gap.



**66-148GAP-2**



**662-639GAP**  
(cabinets shown vertical)

## Blend Safe II Model Options:

	Dispenser On No Cabinet	DISPENSER WITH CABINETS		
		1 Cabinet	2 Cabinets	4 Cabinets
<b>Single Station (1 button)</b>				
Bottle Fill / Bucket Fill	66-144GAP-1/ 66-146GAP-1	662-GAP-1 / 662-GAP-4		
<b>Dual Station (2 buttons)</b>				
2 Bottle Fill Ports	66-148GAP-1	662-2GAPDB-11	662-2GAP-11	
1 Bottle & 1 Bucket Fill	66-148GAP-2	662-2GAPDB-14	662-2GAP-14	
2 Bucket Fill Ports		662-2GAPDB-44	662-2GAP-44	
<b>4 Station (4 buttons)</b>				
4 Bottle Fill Ports			662-4GAP-1111-2	662-4GAP-1111-4
3 Bottle & 1 Bucket			662-4GAP-1114-2	662-4GAP-1114-4
2 Bottle & 2 Bucket			662-4GAP-1144-2	662-4GAP-1144-4
<b>Dial-A-Blend Systems</b>				
1 Product At 4 Dilutions	66-149GAP-2	662-635GAP-4		
4 Products Bottle & 1 Bucket	66-151GAP			662-639GAP
4 Products Bucket Fill	66-150GAP-2			662-637GAP-4
4 Products Bottle Fill	66-150GAP-1			662-637GAP-1
4 Products Bottle & 4 Products Bucket Fill	66-151GAP-2			

Additional models available, contact DEMA customer service

## 661+664 Blend Safe Stainless Steel Locking Dispensers

The 661 Blend Safe Series offer safety and security when it is necessary for gallon bottles to be self contained inside the dispenser. Units are lightweight and have a mounting flange outside the dispenser for easy installation.

### Model 661GAPB

One station (1 gpm) with Action Gap backflow preventer

### Model 661GAPDB

One station with two buttons (1 gpm and 4 gpm) with Action Gap backflow preventer

### Model 661GAP-4

Four station with Action Gap backflow preventer (standard configuration is three 1 gpm proportioners and one 4 gpm proportioner)

### Model 661GAPS-4

Four station with Action Gap backflow preventer and stainless steel drip tray



**661GAP-4**



**661GAPDB**

## BlendSafe Stainless Steel Quad

The BlendSafe Stainless Steel four product locking dispensers is the ultimate in safety and security when you need to combine it with flexibility. Capable of diluting at 8 different ratios across both the bottle and bucket fill stations. Designed for ½ gallon (2L) bottles, this is the perfect solution for dilution flexibility and security.



**664GAPRF**



## 633 Blend Centers



**633GAP-B1**  
**3 MODEL 633GAP UNITS**  
**SHOWN COUPLED TOGETHER**

Blend Center's modular design lets you easily couple together any number of stations to create any system to meet your needs. Mix and match bottle and bucket fill and choose from blue, red, green, yellow, black, or white buttons. Models listed include Action Gap backflow. Use AG instead of GAP for air gap.

### Model 633GAP-1

Action Gap backflow with 1 gpm (4 liters/minute) proportioner

### Model 633GAP-4

Action Gap backflow with 4 gpm (16 liters/minute) proportioner

## 681 Blend Centers

681 units are stainless steel and plastic cover dispensers. Models listed below include 4 gpm (16 liters/minute) proportioners but can be ordered with any combination of high/low flow.



**681GAP-3P**



**681GAP-2**

STATION	MODEL No.	COVER MATERIAL
1	681GAP-1	Stainless Steel
2	681GAP-2	Stainless Steel
2	681GAP-2P	Plastic
3	681GAP-3	Stainless Steel
3	681GAP-3P	Plastic
4	681GAP-4	Stainless Steel
5	681GAP-5	Stainless Steel

## Proportioners, Backflow Preventors and Metering Tips

All Dema housekeeping dispensers use the same proportioners, backflow preventors and metering tips. Proportioners are available with flow rates of 4gpm (15L), 2.5gpm (9.5L) and 1 gpm (4L).

Standard proportioners are equipped with ASSE 1055 approved 16-30 Action Gap backflow preventers. Air gap backflow prevention is available with a 4 and 1 gpm proportioner.



**16-30**  
Action Gap backflow  
preventer



**61-22-3**  
4 gpm proportioner



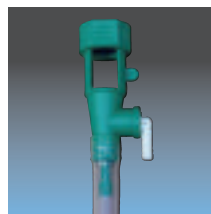
**61-97**  
2.5 gpm proportioner



**61-99-2**  
1 gpm proportioner



**61-22-3BAG**  
4 gpm air gap proportioner



**61-32BAG**  
1 gpm air gap  
proportioner

Dema offers standard metering tips to achieve dilutions from 4:1 to 1024:1 and leaner. Metering tips are available in standard packs or in custom packs.

### 100-15K

Tip kit with 16 tips for dilutions from 4:1 to 427:1

### 100-15KU

Ultra lean tip kit with 4 tips for dilutions from 150:1 to 915:1

### 44-61P

Capillary tip for dilutions of 512:1 to 1024:1 and leaner



**100-15K**



**100-15KU**

## Metering Tip Chart

Flow Rate	Action Gap Proportioner			Air Gap Proportioner		
	Low (1 GPM)	Med (2.5 GPM)	High (4 GPM)	Low (1 GPM)	Med (2.5 GPM)	High (4 GPM)
Tip Color	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
Copper	290:1	602:1	915:1	230:1	518:1	806:1
Amber/Pumpkin	236:1	438:1	640:1	175:1	400:1	625:1
Burgundy	190:1	357:1	525:1	143:1	316:1	490:1
Lime Green	150:1	266:1	383:1	100:1	238:1	376:1
Tan	125:1	256:1	387:1	102:1	265:1	427:1
Orange	103:1	205:1	307:1	75:1	198:1	320:1
Turquoise	89:1	170:1	251:1	60:1	158:1	256:1
Royal Blue	71:1	140:1	208:1	52:1	133:1	213:1
Pink	52:1	109:1	165:1	43:1	107:1	170:1
Light Blue	42:1	95:1	147:1	33:1	81:1	128:1
Brown	37:1	83:1	129:1	28:1	71:1	114:1
Red	29:1	61:1	93:1	22:1	54:1	85:1
White	24:1	54:1	84:1	18:1	46:1	73:1
Green	20:1	47:1	74:1	16:1	40:1	64:1
Blue	19:1	39:1	60:1	13:1	32:1	51:1
Yellow	13:1	28:1	42:1	9:1	22:1	34:1
Black	9:1	19:1	28:1	6:1	16:1	26:1
Light Orange	7:1	16:1	23:1	5.5:1	13:1	21:1
Purple	5:1	12:1	17:1	5:1	10:1	15:1
Gray	4:1	9:1	13:1	4:1	7.5:1	11:1

## Accessories and Spare Parts

### 44-3N-6

Six feet (2 meters)  
nylon braided hose  
(NSF Approved)



44-3N-6

### 44-3-6

Six feet (2 meters)  
black hose



66-43

### 66-43

Pressure regulator  
(40 psi / 2.5 bar) with  
GHT connections

**68-6 Pressure Indicating Tee** is designed to protect faucet  
backflow devices not rated for continuous  
supply pressure and to virtually eliminate  
hot and cold water cross connection.

This device is tested and  
complies with ASSE 1055-1997 and  
required by some state and local  
regulatory agencies. Check local plumbing  
regulations for back flow and connection  
requirements.



68-6QD2

### 68-6QD1

Tee with Male Quick Disconnect

### 68-6QD2

Tee with Male and Female Quick Disconnect

### 100-16E

1/4" and 3/8" Diaphragm foot valve with  
EP seal



100-16E

### 100-16S

1/4" and 3/8" Diaphragm foot valve with  
silicone seal

### 100-16V

1/4" and 3/8" Diaphragm foot valve with viton seal

### 60-54

1/4" in line check valve

### 100-12

Eight feet 1/4" ID inlet tubing

### 61-21

Six feet 1/2" ID outlet tubing for Action Gap backflow  
preventer and proportioner

### 63-83

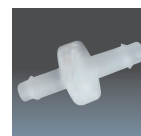
Six feet 9/16" ID outlet tubing for air gap proportioner

### 89.28.1

Plastic hose hanger for Action Gap proportioner

### 89.28.2

Plastic hose hanger for air gap proportioner



60-54



89-28

## Racks for Chemical Bottle Storage

### 930-1R

One station non-locking rack for round bottles

### 930-1F

One station non-locking rack for F-style bottles

### 931-2

Two station locking rack

### 930

Three station non locking rack

### 931

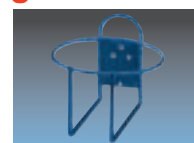
Three station locking rack

### 933-1F

One station non-locking rack for 2.5 gal F-style

### 98-119-1

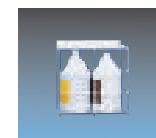
L Bracket for 933-1F side mounting



930-1R 7 5/8" x 4 3/8"



931 19 1/2" x 6 1/2"



931-2 13 1/2" x 6 1/2"



**440-23BT**

## 440 WATCH GUARD Reservoir Mounted Float Valve System

Watch Guard is designed to reduce service and potential problems with more reliable water valve activation. The float is filled with water soluble material and the 90° chemical barb rotates 180° to ensure the chemical pick-up tube does not kink.

- Mounting bracket included with every system
- On-Off valve included on all 440 chemical series systems
- Metering tip kit included with every unit

MODEL NO.	DESCRIPTION
<b>440-23BT</b>	4 gpm flow rate Action Gap backflow protection
<b>440-24</b>	2.5 gpm flow rate Action Gap backflow protection
<b>437P-21</b>	22 gpm flow rate with siphon breaker
<b>440N</b>	6 gpm (water valve only)
<b>437PN</b>	64 gpm (water valve only)

## High Flow Dispensers

**Model 607-3** High Flow Dispenser fills Auto Scrubbers and other large reservoirs at 10 gallons per minute (40 liters per minute) to reduce fill time.



**607-3**

- 10 gpm flow rate at 40 psi (3/4" or larger water supply required)
- Vacuum breaker installed
- 10 feet discharge hose
- Metering tips determine dilution ratio
- Stainless steel cover offers durability and industrial appearance
- PVC proportioner allows dual chemical injection

## Drum Mount Dispensers

**Model 161 and 162 Series** drum mount dispensers mount to any 2 1/2" bung opening to dispense chemical solution directly from the drum or tote at the correct dilution. Various models are available to meet standard and high induction applications.

**Model 162** Standard model dispenses 5 gpm (20 liters per minute) with maximum induction of 5-1, metering screw adjustment.

**Model 162-3** Standard model dispenses 5 gpm with a maximum induction of 5-1, metering tip adjustment.

**Model 161** High induction model dispenses 5 gpm with a maximum induction of 1.5-1, brass construction with metering screw adjustment.

**Model 162HC** High induction model dispenses 1/2 gallon per minute (2 liters per minute) with a maximum induction of more than 1-1 ratio. Ideal dispenser for applications such as anti-freeze mixing where more product than water is required.

**Model 162HDM-2** High Flow Drum Mount Proportioner mounts directly to a 2 1/2" bung opening on a drum or tote and dispenses at 10 gallons per minute (40 liters per minute). Draws up to 12 ounces per gallon chemical solution and discharge hose can be up to 25 feet (8 meters) long. Shutoff valve (DEMA #90-15) can be put at end of hose for on/off control and uses metering tips to determine dilution ratio.



**162HDM-2**



**162HC**



**162**



## RAPID FIRE Spray and Foam Dispenser

### Effective cleaning and sanitizing for:

- Supermarket meat room, seafood, and bakery departments
- Kitchens and food preparation areas
- Locker rooms and showers in schools and health clubs
- Food processing and packaging plants

### Innovative Features and Benefits:

- Single knob to control water flow and chemical selection
  - Full water flow when valve opens
  - Accurate dilutions
  - Eliminates confusion
  - Prevents mixing of chemicals
- Removable Injector
  - Easy maintenance and replacement
- Built in foam wand hanger
  - Helps prevent foam wand loss or damage



6300-3

### Specifications:

- Dimensions  
8" W x 9 1/4" H x 5 3/8" D  
(203 mm x 235 mm x 137mm)
- 2.7 gpm (10 L.) Injector Flow Rate
- Operating Range  
20-125 psi (1.3 - 8.6 bar)
- Water temperature up to  
160°F (71°C)
- Functions with up to 50 feet  
(15 meters) of 1/2" (13 mm)  
ID hose
- Optional hose hanger with hose  
strain relief feature
- Stainless steel enclosure and  
chemical resistant polypropylene  
internal components

### MODEL NUMBERS AND KITS

<b>6300</b>	2 product dispenser includes metering tip kit, chemical pick-up tubing, foot valves with weights, wall mounting kit and label pack
<b>6300H</b>	2 product dispenser includes <b>same as 6300 plus</b> stainless steel hose hanger w/strain relief
<b>6300-2</b>	2 product dispenser includes <b>same as 6300 plus</b> hose rack, 25' red outlet hose, 6' black inlet hose, <u>ball valve</u> spray gun / foam wand
<b>6300-3</b>	2 product dispenser includes <b>same as 6300 plus</b> hose rack, 25' red outlet hose, 6' black inlet hose, <u>pistol valve</u> spray gun / foam wand
<b>6300-4</b>	2 product dispenser includes <b>same as 6300-2 plus</b> 44-89-112 constant pressure backflow preventer
<b>6300-5</b>	2 product dispenser includes <b>same as 6300-3 plus</b> 44-89-112 constant pressure backflow preventer
<b>6310</b>	1 product dispenser includes metering tip kit, chemical pick-up tubing, foot valves with weight, wall mounting kit and label pack

### ACCESSORIES

<b>44-3RG</b>	25 feet (8 meters) red hose
<b>44-3N-25</b>	25 feet (8 meters) clear nylon braided hose
<b>44-3-6</b>	6 feet (2 meters) black hose
<b>44-3N-6</b>	6 feet (2 meters) clear nylon braided hose
<b>40-14QD/292QD</b>	Ball valve activated spray gun with quick connect foam wand
<b>28-1QD</b>	Lever controlled spray gun with quick connect nozzle
<b>292GQD</b>	Quick connect foam wand
<b>44-89-112</b>	ASSE 1012 approved constant pressure backflow preventer
<b>44-111-1560</b>	Brass nozzle with quick connect groove
<b>44-111-1560SS</b>	Stainless steel nozzle with quick connect groove
<b>44-6</b>	Stainless steel hose hanger

*Additional hoses, spray guns, foam wands, nozzles, and other accessories available through DEMA Customer Service*

## SprayClean Accessories



### 28-10D and 292GQD

Spray Gun and Foam Wand set  
(order items separately)



### 40-140D/292QD

Spray Gun and Foam Wand set



### 44-89

Constant pressure backflow  
preventer



### 44-3N-25

25 Feet (8 meters) nylon braided  
outlet hose

### 44-3

25 Feet (8 meters) black outlet hose

### 44-3RG (shown)

25 Feet (8 meters) red outlet hose



### 44-3N-6

6 Feet (2 meters) nylon braided  
water supply hose

### 44-3-6 (shown)

6 Feet (2 meters) black water  
supply hose

### 44-4S

Stainless steel hose bracket

## Wall Mounted Dispensers

DEMA manufactures a variety of SprayClean dispensers to meet different cleaning environments. Whether it's a wall mounted unit for cleaning one area or a mobile unit that offers portable cleaning, DEMA can satisfy the requirement. Wash, rinse, and sanitize all from the same system.



### 606T-2

#### Model 606T-2 Spray Station II

The Spray Station II is a wall mounted ball valve actuated 2 chemical and rinse system. The unit features easy to turn large handles and a chemical and impact resistant ABS cover.

- Designed for greater durability, reliability and easier serviceability



### 606T

#### Model 606T Select-O-Matic

Ball valve actuated SprayClean that dispenses two chemical products and clear rinse.

- Stainless steel cover
- Polypropylene injectors for chemical and hard water resistance
- Brass internal components

## Portable Foaming and Spraying

#### Model 289

Pro Foam hose end foamer and sprayer attaches to the end of any garden hose and produces a foam when the aerating wand is attached and sprays when the wand is removed. Quick disconnect allows spray gun to be easily removed from dispenser for clear water rinse. Ideal applications include supermarkets, food service areas, and shower rooms where portability is required. Unit includes a 32 ounce bottle and spray gun with quick disconnect fittings.



### 289

## Compressed Air Foamers

**Model 294** mixes chemical solution with water and air to produce a dry, thick, clinging foam to any vertical or horizontal surface for cleaning large areas and areas that require a foam to penetrate for better cleaning results. The foam consistency is changed easily by adjusting either the air or water pressure. PVC body is designed to prevent hard water and chemical buildup to help produce consistent, long term cleaning results.

Applications include:

- Food processing plants
- Truck and vehicle washing
- Bakeries
- School shower areas
- Other industrial areas

### Model 294D

PVC Compressed Air Foamer body with air inlet port, air adjustment gauge, water inlet connection and tubing for chemical supply. Simply hook up compressed air and water and adjust to produce desired foam. Metering tips determine the correct chemical dilution. Minimum recommended air and water pressure with 25 feet of hose is 40 psi.



294D



294DC

### Model 294DC

Designed for applications that require a compressed air foamer enclosed in a stainless steel housing and ball valves for on/off control of water and air. Air pressure gauge is seen through front cover and easily adjusted while the unit is mounted. Metering tips determine the correct chemical dilution.

### Model 93-18

PVC Foam wand used with all DEMA compressed air foamers. Includes water inlet coupling, ball valve for on/off control, and nozzle. Foam throw varies based on water and air pressure mixture. Average throw is 25 feet (8 meters).



93-18

### Model 93-14

25 feet 3/4" ID black water outlet hose. 3/4" ID hose is recommended to minimize back pressure put on foamer.

#### MAXIMUM HOSE LENGTHS AND MINIMUM PRESSURES FOR GOOD FOAM

HOSE SIZE AND LENGTH	MINIMUM PRESSURES	
	Water	Air
25 Feet (8 Meters) of 3/4" ID	40 PSI (2.7 Bar)	40 PSI
50 Feet (15 Meters) of 3/4" ID	50 PSI (3.4 Bar)	40 PSI
75 Feet (25 Meters) of 3/4" ID	60 PSI (4.1 Bar)	40 PSI

## FoamStation Dispensers

FoamStation Dispensers are wall mounted or cart mounted compressed air foaming systems that use DEMA's 294D PVC foamer body. Applications for these units include all food processing and food service areas, industrial plants, school shower areas, and other areas that require foaming chemicals to help clean.

Units require an air compressor and at least 40 psi water pressure to produce quality foam.

- PVC foamer body for chemical and hard water resistance
- Polypropylene cover offers neat appearance
- Stainless mounting plate for sturdy mounting
- PVC manifold with slip together fit offers easy field maintenance
- Metering tips determine dilution ratio

### Model 692T

Two ball valves provide one foaming chemical and clear rinse from this wall or cart mounted unit.

### Model 693T

Three ball valves provide one foaming chemical, clear rinse, and a sanitizer (or other chemical product) spray. The sanitizer product is run through DEMA's P203CT injector that produces 2.7 gallons per minute (10.25 liters per minute) flow.

### Model 93-18

PVC Foam wand with plastic ball valve can be used with any of DEMA's compressed air foamers. Material allows it to be used with corrosive chemicals, including many acids.



692T



693T



## 900 Series Compressed Air Foamers



### 900-2PU

#### 900 Pump Up Foaming Dispenser

The 900-2PU pump-up foamer technology provides spot cleaning and sanitation solutions for the industrial and institutional markets. Patented dual tube technology draws the chemical and air from the tank into separate tubes creating thick foam when mixed at the trigger operated foam wand. Flow in the air tube is controlled by a needle valve giving an operator the ability to control foam consistency.



### 900-WALL

#### 900 Wall Mounted Foaming Dispenser

The 900-WALL operates with a pre-mix solution of foaming chemical and water. The unit produces 30 gallons of foam per minute and covers 5-10 cubic feet per minute at 40-80 PSI with up to 25 feet of foam distance.



### 925N

#### 925N Mobile Foamer

The 925N is a 25 gallon portable foamer that offers innovative features and ergonomics for industrial and institutional foam cleaning. This unit's four wheel design allows for a wide range of mobility and the convenient drain feature allows for easy emptying.



### 910N

#### 910N Portable Foamer

The 910 offers an innovative 10 gallon tank design that allows for easy storage and institutional foam cleaning. The non-pressurized tank promotes safety and consistent foam time after time.



### 900-DS4

#### 900-DS4 Doorway Foaming Sanitizer System

The 900-DS4 Doorway sanitizer foaming system allows the control box to be mounted up to 150 feet away from the spray tip assembly. The new foam enhancing nozzle is constructed of Stainless Steel and produces large amounts of foam. This allows for shorter run times and a larger foam coverage area. The 900-DS4 can operate up to three nozzle assemblies simultaneously.

#### NOTE:

*Air compressor is not part of dispenser and is required to use all DEMA compressed air systems.*

## MixRite Water Powered Proportioning Pump

MixRite Water Driven Injectors are water powered proportioning pumps that require no electricity and deliver accurate dispensing across varying water pressure and flow. MixRites use only 10% of the pressure at mid-range to drive the pump (20% maximum) and are easy to adjust and service.

### Specifications:

- Chemically resistant nylon reinforce fiberglass body on all models (except PVDF)
- CW models feature stainless steel springs
- CL and PVDF models feature Hastelloy springs
- Chemical shutoff on 571, 573 and 575 units
- Easily replaceable wear parts
- Higher operating range from 2.9 PSI to 120 PSI
- Hose barbs with swivel for easy installation
- Injection from 300:1 to 10:1 (.3% to 10%)
- Flow rate from .09 to 11 gallons per minute
- Includes 7 ft. 3/8" inlet tubing with foot valve strainer
- Dimensions: 19 1/2" high, 7" wide
- Optional Tip Kit for dilutions from 750:1 to 2000:1

**574 and 575 Units are available for richer inductions for 33:1 to 10:1**

### Applications:

- Vehicle Wash
- Food and Beverage Sanitizing, Cleaning and Lubricating
- Machine Tool Coolants and Metal Processing
- Animal Medication
- Foaming for Food Service Sanitation
- Fertigation (Fertilizer/ irrigation injection)
- Many other applications where applying liquid under pressure



**571 CW**



**1410**



**570 CL**



**570 PVDF**

MODEL No.	PSI	RATIO	PERCENT	Oz/Gal	FEATURES	APPLICATIONS
566AG	2.9-120	100:1	1% Fixed	1.28	Chemical On/Off	Food & beverage, fertilization, vitamins, mild chemicals
568AG	2.9-120	128:1	.8% Fixed	1	Chemical On/Off	Food & beverage, fertilization, vitamins, mild chemicals
569CW	2.9-120	1000:1 to 111:1	.1% - .9%	.13 to 1.2	Chemical On/Off,	Carwash cleaning agents & detergents
570CW	2.9 - 120	300:1 to 50:1	.3% - 2%	.38 to 2.5	Tip Kit	Option carwash cleaning agents & detergents
571CW	2.9 - 120	300:1 to 50:1	.3% - 2%	.38 to 2.5	Chemical On/Off, Tip Kit Option	Carwash cleaning agents & detergents
572CW	2.9 - 120	250:1 to 25:1	.4% - 4%	.51 to 5.1		Carwash cleaning agents & detergents
573CW	2.9 - 120	250:1 to 25:1	.4% - 4%	.51 to 5.1	Chemical On/Off	Carwash cleaning agents & detergents
1410A	2.9 - 120	100:1 to 10:1	1% - 10%	1.28 to 12.8		Hydrofluoric acids, tire cleaners, chlorine, & other harsh chemicals
1410M	2.9 - 120	100:1 to 10:1	1% - 10%	1.28 to 12.8	Chemical On/Off	Hydrofluoric acids, tire cleaners, chlorine, & other harsh chemicals
570CL	2.9 - 120	300:1 to 50:1	.3% - 2%	.38 to 2.5	Tip Kit Option	Hydrofluoric acids, tire cleaners, chlorine, & other harsh chemicals
571CL	2.9 - 120	300:1 to 50:1	.3% - 2%	.38 to 2.5	Chemical On/Off, Tip Kit Option	Hydrofluoric acids, tire cleaners, chlorine, & other harsh chemicals
572CL	2.9 - 120	250:1 to 25:1	.4% - 4%	.51 to 5.1		Hydrofluoric acids, tire cleaners, chlorine, & other harsh chemicals
573CL	2.9 - 120	250:1 to 25:1	.4% - 4%	.51 to 5.1	Chemical On/Off	Hydrofluoric acids, tire cleaners, chlorine, & other harsh chemicals

NOTE: PVDF available on all models for the most extreme chemicals

## Wall and Cart Mounted Compressed Air Foam Systems

MixRite Compressed Air Foam Systems allow any length of hose installed on the outlet of dispenser. The hose length or foam wand nozzle size have no affect on the foam quality, which makes these dispensers ideal for foaming applications utilizing long runs of hose or pipe.



**Wall Mount Foam Systems**  
Compressed Air Foam Systems include MixRite, foam chamber, 25' hose, and foam wand. Spray systems include MixRite, 25' hose and spray gun.

### Wall Mounted Units

<b>570WS</b>	Spray unit, 2% induction
<b>571WSR</b>	Spray and Rinse unit, 2% induction
<b>572WS</b>	Spray unit, 4% induction
<b>573WSR</b>	Spray and Rinse unit, 4% induction
<b>573WSFR</b>	Spray, foam and Rinse unit, 4% induction
<b>573WAFR</b>	Compressed Air Foam and Rinse unit, 4% induction
<b>576WBS</b>	Spray bypass unit, 2% induction
<b>577WBSR</b>	Spray and Rinse bypass unit, 2% induction
<b>578WBS</b>	Spray bypass unit, 4% induction
<b>579WBSR</b>	Spray and Rinse bypass unit, 4% induction
<b>579WBSFR</b>	Spray, Foam, and Rinse bypass unit, 4% induction
<b>579WBAF</b>	Compressed Air Foam bypass unit, 4% induction

**Cart Mounted units available for all systems listed.**  
**Substitute C for W in part number (example 570CS for 570WS)**



**50-41-1 Strainer**  
200 Mesh (80 Micron)  
Strainer recommended on all installations



**57-11-1 Tip Kit**  
(for 570 and 571)  
for Lean Dilution Ratios 750:1-2000 and Includes 4 metering tips, 8 ft. 1/4" vinyl hose and 1/4"x3/8" barb adapter



**577 CBSR**



**901-693T**

## Mobile Cart Cleaning Systems

DEMA's mobile cart system puts everything needed for cleaning, sanitizing and foaming on two wheels. The unit is available with a wide selection of DEMA spray, foam and proportioning dispensers and is designed to provide a holding platform for chemicals and hangers for hoses. Ideal for use in shower rooms, large kitchens, food processing plants, store food preparation, storage areas and anywhere that permanent installations are impractical.

### Mobile Cart Features:

- Pneumatic tires and plastic frame capable of heavy loads up to 600 lbs. (270 kg.)
- A wide selection of DEMA dispensers
- 25 feet (8m) outlet hose and 6 feet (2m) inlet hose on most units
- Spray gun or foam wand included (for spray or foam units)
- Built in hose hangers and secure chemical storage area

### AVAILABLE MODELS

MODEL No.	APPLICATION	DESCRIPTION (Dispenser page)
<b>MixRite Systems</b>	Spray & Foam	Wall mount units previous column
<b>901-606T-2</b>	Spray	Spray Clean 2 product plus rinse 3 ball valve actuated unit ( <b>pg 19</b> )
<b>901-6300</b>	Spray	Rapid Fire 2 product plus rise dial actuated unit ( <b>pg 18</b> )
<b>901-692T</b>	Foam	Foam Station 1 product plus rinse 2 ball valve actuated ( <b>pg 21</b> )
<b>901-693T</b>	Foam	Foam Station 2 product plus rinse 3 ball valve actuated ( <b>pg 21</b> )



## Chemical Injectors

DEMA manufactures two different types of injectors, each having their own way to control water flow. The C series injectors use one of three different water nozzle bushings to control water flow and the B series use an external bypass knob for controlling water flow. Injectors are available from 1/8" NPT up to 1" NPT. (BSP threaded injectors available). When choosing an injector it is important to size the injector according to the application's water flow, not pipe size. Injector metering knobs can be supplied with a metering tip option (example 204CT) or metering screw option (example 204C).

Contact DEMA's customer service for information on DEMA's B and C series injectors and selection tables (Industrial catalog 2007IND) or at [www.demaeng.com](http://www.demaeng.com)



204C



204B

## Special Injectors

### Model 201CHT

1/8" brass injector designed to draw up to 1-1 ratio at 1/2 gallon per minute (2 liters per minute) flow. Ideal for mixture of antifreeze and water for windshield washer filling.

**DEMA OFFERS SEVERAL PLASTIC AND STAINLESS STEEL INJECTORS FOR CORROSIVE APPLICATIONS.**

### Model P203C or P203CT:

3/8" polypropylene plastic injector with flow rate of 4 GPM at 40 psi (16 liters per minute at 2.75 bar)

### Model 203BS-2 or 203BST-2:

3/8" stainless steel injector with flow rate range of 3 to 9 GPM at 40 psi (12 to 36 liters per minute at 2.75 bar) 1/2" size available (204 BS-2 or 204BST-2)



P203C



203BS-2

## SprayClean Injectors

SprayClean Injectors do not include covers, ball valves, or any other device to make them a complete system. These units include the injector assembly, appropriate spray gun for each model and the chemical inlet tubing assembly. These are very basic units that may be wall or drum mounted to dispense one chemical.

**Model 244C** Three-position gun allows user to choose chemical, clear water rinse, and off setting at the spray gun. When gun trigger is pulled completely, vacuum is drawn in injector and chemical is dispensed through spray gun. Releasing the trigger halfway to rest against a latch will eliminate vacuum draw of chemical and only spray clear water for rinsing.



244C

**Model 244BC** Slide valve on chemical injector allows user to choose between wash and rinse setting. Squeezing the spray gun fully open turns the unit on and dispenses either the chemical or clear rinse, depending on slide valve setting. (This model allows for a harder spray when rinsing compared to the 244C model).

### Model 244CDM

Drum Mount Model of 244C

### Model 244BCDM

Drum Mount Model of 244BC

## APPROVALS

### DEMA Engineering Co.

St. Louis, MO Headquarters is  
ISO 9001:2008 Certified

#### Action Gap Backflow Preventer

ASSE 1055-1997

IAPMO

CSA

Various U.S. states and cities

Australia

#### Ultra Gap Air Gap Proportioner

ASSE 1055-1997

IAPMO

ASME

CSA

Various U.S. states and cities

KIWA-Netherlands

Australia

DVGW-Germany

WRC-United Kingdom

#### Pressure Indicating Tee 68-6

ASSE 1055-1997

IAPMO

ASME

#### Model 153 and 154

ASSE 1055-97

#### 633 Valve Body

NSF-61

#### 58-1 Siphon Breaker

ASSE 1001

CSA

#### DEMAMaster Dishwash Series

CSA

#### TITAN Dishwash

CE, CSA

#### ATLAS Laundry

CE, CSA

## METRIC CONVERSIONS

To go from	Multiply by	To get
Gallons	3.785	Liters
Ounces	29.57	Milliliters
PSI	0.068	Bar
Inches	25.4	Millimeters
Fahrenheit	$5/9(F-32)$	Celsius
Liters	0.2642	Gallons
Milliliters	0.34	Ounces
Bar	14.5	PSI
Millimeters	0.0394	Inches
Celsius	$9/5C+32$	Fahrenheit

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