The DEMA MISSION:

To expand our heritage as designers and manufacturers of high quality dispensing and fluid control products by being the most innovative company in our industry, providing quality products with unique features that meet or exceed the need of our global customers, and doing so in a timely manner at a competitive price.

THE DEMA DIFFERENCE: Our goal is to make your buying experience with DEMA a pleasurable one and one that will be repeated. We are committed to offering the highest level of both customer and technical service. Our customer service staff is trained to help you choose the correct equipment for your application.
2 Food Service Kitchen Dispensers
Wall Mounted Pumps, Faucet Proportioners

3 Food Service Kitchen Dispensers
Single and Dual Sink Dispensers, Faucet Adapter Kits, Drain Pumps

4 Warewash Dispensers
Titan Probe/Probeless Dispensers

5 Warewash Dispensers
Probe and Probeless Models

6 Warewash Dispensers
Olympian Mini Pumps and Universal Bowls

7 Solid Product Dispensers
Pot and Pan and Solid Laundry Dispensers

8 Warewash Dispenser Parts
Circuit Boards, Tubing, Motors and more

9 Warewash and Laundry Dispenser Parts
Pump Kits, Installation Kits, Laundry Circuit Boards, Handheld Devices, and Flush Manifolds

10 Laundry Dispensing Systems
844 Liquid LaundryMaster Series, Atlas and Enhanced Digital Select Module

11 Laundry Dispensing Systems
845 Industrial LaundryMaster Series, 830 and 840 Timer Series

12 Dilution at Hand Housekeeping Dispensing Systems
Single Station Dilution At Hand Dispensers

13 Dilution at Hand Housekeeping Dispensing Systems
Multi-Station Dispensers and Storage Rack Systems

14 Blend Safe II Housekeeping Dispensing Systems
Enclosed, Locking Systems and Dispensers Only

15 Blend Centers and Blend Safe Dispensing Systems
Single and Multi-Station Dispensers, Stainless Steel Locking Dispensers

16 Blend Center and Blend Safe Parts

17 Industrial Dispensing Systems
High Flow Dispensers and Drum Mount Proportioners

18 SprayClean Dispensing Systems
Roam 'n Foam Dispensers

19 SprayClean Dispensing Systems
Select-O-Matic, Mobile Dispensers, Spray Guns, Foam Wands and Hoses

20 Compressed Air Foam Dispensing Systems
Compressed Air Foamers, Foam Wands, Hose End Foamers

21 Compressed Air Foam Dispensing Systems
FoamStation Dispensers, Mobile FoamStation Dispensers

22 MixRite Proportioning Pumps
Standard and Bypass Models

23 MixRite Foamers and Panel Systems
Wall and Cart Mounted Foaming and Spraying

24 Chemical Injectors and SprayCleans
FOOD SERVICE KITCHEN DISPENSERS

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.

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

Models 152 and 154
Use metering screw adjustment to determine dilution ratio

Models 153 and 154
Include a built in ASSE approved siphon breaker

Model 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.

• 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)

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

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>FLOW</th>
<th>CHECK VALVE SEAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>302-1E</td>
<td>1 ounce (30 ml)</td>
<td>epdm</td>
</tr>
<tr>
<td>302-1S</td>
<td>1 ounce</td>
<td>silicone</td>
</tr>
<tr>
<td>302-1V</td>
<td>1 ounce</td>
<td>viton</td>
</tr>
<tr>
<td>302-2E</td>
<td>2 ounce (60 ml)</td>
<td>epdm</td>
</tr>
<tr>
<td>302-2S</td>
<td>2 ounce</td>
<td>silicone</td>
</tr>
<tr>
<td>302-2V</td>
<td>2 ounce</td>
<td>viton</td>
</tr>
</tbody>
</table>

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
150-22  Outside Chicago Thread Adapter
150-32  Inside Kohler Thread Adapter
Single and Dual Sink Dispensers

Model 651GAP or 651AG
Single Sink Dispenser dispenses one product into a kitchen sink with the turn of a ball valve.

Model 652GAP or 652AG
Dual Sink Dispenser dispenses two products into a kitchen sink with the turn of a ball valve.

GAP models include:
DEMA’s ASSE 1055B approved Action Gap backflow preventer.

AG models include DEMA’s Ultra Gap air gap proportioner.

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.

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 68-4-7
Includes large 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.

Drain Dispensing Systems

Model 257B and 259B
Automatically feed chemicals into drains and grease traps to break up grease and detergent buildup and eliminate odors.

Model 257B
Operates on 12VDC plug-in transformer (included) or 2 alkaline lantern batteries

Model 259B
Operates on 12VDC plug-in transformer (included) only

Model 259BAC
Operates on a 120/230 VAC transformer (no plug-in connection included)

Features for all units
- 9V battery for memory backup in case of power failure
- Pumps once per hour up to 24 hours per day
- Easily programmable dip switches
- External prime switch
- IP-55 watertight case with o-ring seal

Model 259BT
Dispenses chemical into trash bins or dumpsters using the 259 electronics and a misting nozzle. Uses 3-prong, 6 feet cord (included) wired to transformer inside case. Comes complete with LPDE tubing and nozzle.
WAREWASH DISPENSERS

TITAN Warewash Dispensers

Probe and Probeless Operation with Auto-Switchover

DEMA’s TITAN range of warewash dispensers was developed to reduce the number of service calls and create a more profitable installation at all types of warewash accounts. The unit can be set up in probe or probeless mode, depending on the installation requirements. If set up in probe mode, the unit will automatically switch over to probeless mode if any of the following parameters are met:

- Shorted probe
- Open probe
- Limed up probe
- Dispenser does not feed for a period of time
- Dispenser over feeds for period of time

Once the parameter is met, the unit will switch itself back to probe mode. This feature should greatly reduce the number of service calls and allow better use of service and sales groups’ time. The TITAN is truly a first of its kind; a dispenser that will pay for itself.

Features and Benefits

Enclosure

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

Features and Benefits continued

Pumps

- Quick change squeeze tube with no tools required (patentpending design)
- Quick connect fittings
- Spring loaded 2-roller design for extended tubing life
- 16 ounces per minute with 105 RPM gearmotor

Electronics and Programming Specifications

- Programmable with keypad for quick setup
- Four trigger options
- Pre-wired for quicker installation
- Power supply similar to laptop computer
- Separate 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
- Programmable company information and service message to personalize dispenser

TITAN ACCESSORIES:

Model 82-23-1 Magnetic Field Sensor

Patent-pending technology to reduce installation time and create a safer environment for service personnel.

- Eliminate need for direct electrical connection to customer’s equipment
- 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 warewash machine, thus making it a non-service item.

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

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>NUMBER OF CHEMICALS</th>
<th>PUMP OR SOLENOID VALVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-811-L</td>
<td>1</td>
<td>Pump</td>
</tr>
<tr>
<td>T-811-D</td>
<td>1</td>
<td>Solenoid Valve</td>
</tr>
<tr>
<td>T-812-LL</td>
<td>2</td>
<td>Pump/Pump</td>
</tr>
<tr>
<td>T-812-DL</td>
<td>2</td>
<td>Solenoid/Pump</td>
</tr>
<tr>
<td>T-813-LLL</td>
<td>3</td>
<td>Pump/Pump/Pump</td>
</tr>
<tr>
<td>T-813-DLL</td>
<td>3</td>
<td>Solenoid/Pump/Pump</td>
</tr>
</tbody>
</table>

All models come complete with probe, detergent injection fitting, rinse injection fitting, mounting plate, and poly tubing.
DEM AM aster™ Probe Dispensers

DEMA offers a complete range of Warewash dispensers operating with probe technology in 1, 2, and 3 pump or solenoid valve configurations. DEMA’s patented probe circuit technology samples the probe 1/60th of every second, thus increasing the unit’s probe life by reducing the amount of plating, corroding or dissolving of the probe tips.

Features for DEM AM aster Series
- Smooth adjustment on rinse speed control
- Over 2000 hours on gearmotor brush life
- Metal gear box, reduced gearmotor noise
- IP-55 splash proof plastic case
- Stainless steel rinse line check valve (Techtron chlorine resistant models also available)
- Extended squeeze tubing life
- Rinse delay for up to 12 seconds and rinse limit after pump has run 18 seconds

<table>
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<tr>
<th>MODEL No.</th>
<th>NUMBER OF CHEMICALS</th>
<th>PUMP OR SOLENOID</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM-811-L-1T</td>
<td>1</td>
<td>Pump</td>
</tr>
<tr>
<td>DM-811-D-1T</td>
<td>1</td>
<td>Solenoid</td>
</tr>
<tr>
<td>DM-812-LL-2T</td>
<td>2</td>
<td>Pump/Pump</td>
</tr>
<tr>
<td>DM-812-DL-2T</td>
<td>2</td>
<td>Solenoid/Pump</td>
</tr>
<tr>
<td>DM-813-LLL-2T</td>
<td>3</td>
<td>Pump/Pump/Pump</td>
</tr>
<tr>
<td>DM-813-DLL-2T</td>
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<tr>
<td>DS-813-LLL-2T</td>
<td>3</td>
<td>Pump/Pump/Pump</td>
</tr>
<tr>
<td>DS-813-DLL-2T</td>
<td>3</td>
<td>Solenoid/Pump/Pump</td>
</tr>
</tbody>
</table>

DS Models are field convertible between 2 and 3 product installations. Packaged in a stainless steel case with enough room for easy retrofitting.

DEM AM aster™ Probeless Dispensers

DM-812-PDL-2T
DM-811-SC-1T

DEMA’s Probeless dispensers function using door counts, time or speed control to determine the amount of detergent and rinse put into the dish machine. The unit uses door openings on a door machine or time on conveyor machines to determine the amount of detergent. Two banks of dip switches inside the dispenser allow user to easily program initial charge and recharge times. When using door machine mode, dead cycles can be implemented to prevent unit from adding detergent each cycle.

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>NUMBER OF CHEMICALS</th>
<th>PUMP OR SOLENOID</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM-811-PL-1T</td>
<td>1</td>
<td>Pump</td>
</tr>
<tr>
<td>DM-812-PLL-2T</td>
<td>2</td>
<td>Pump/Pump</td>
</tr>
<tr>
<td>DM-812-PDL-2T</td>
<td>2</td>
<td>Solenoid/Pump</td>
</tr>
<tr>
<td>DM-813-PLL-2T</td>
<td>3</td>
<td>Pump/Pump/Pump</td>
</tr>
<tr>
<td>DM-813-PDLL-2T</td>
<td>3</td>
<td>Solenoid/Pump/Pump</td>
</tr>
<tr>
<td>DS-812-PLL-2T</td>
<td>2</td>
<td>Pump/Pump</td>
</tr>
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DS Models are field convertible between 2 and 3 product installations. Packaged in a stainless steel case with enough room for easy retrofitting.

DM-811-SC-1T
1 Pump operated by speed control dial only

DJ-812-LL-1T
2 Pump, low cost dispenser for detergent and rinse. Both products are dispensed during the final rinse cycle and are controlled by independent speed control dials. Perfect for single tank machines that fill through the rinse line.

82-1 Low Level Alarm Kit
May be easily added to any DEM AM aster dispenser that is pumping liquid products. This versatile, compact system is used to indicate the absence of liquid products and then uses an alarm to inform the user that the pail is empty. The circuit board is powered by 24VAC.
Universal Bowls

Universal Bowls dispense solid chemicals or encapsulated powders into dish machines, sinks, laundry machines, or any other open reservoir. The 581 Bowl’s flexibility allows it to be used for solid pot and pan detergent, solid rinse products, solid laundry products, solid car wash, and other solid chemicals.

- Mounts on any vertical surface or directly on top of a dish machine
- Molded plastic vacuum breaker that meets ASSE 1001 (brass siphon breaker available)
- Spray arm with vacuum breaker can be mounted on either left or right side
- John Guest fittings on vacuum breaker for easy and secure tubing installation

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Application</th>
<th>Color</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>581-WMBH</td>
<td>Includes wall mounting kit and bulkhead fitting for dish machine use</td>
<td></td>
<td></td>
</tr>
<tr>
<td>581-1T</td>
<td>Includes bulkhead fitting for dish machine use</td>
<td></td>
<td></td>
</tr>
<tr>
<td>581-1W</td>
<td>Includes wall mounting kit for over a kitchen sink (no bulkhead fitting)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>581-RB</td>
<td>Solid Rinse Bowl with solenoid valve and level control (24VAC standard voltage)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>581-RB-4</td>
<td>Solid Rinse Bowl with solenoid valve and level control (24VDC standard voltage) use with Titan Bowl with 24VDC solenoid valve</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Olympian Mini Pumps

Ideal applications include under-counter washers, glass washers, and small commercial machines. Pumps are color coded for detergent concentration (red), detergent time (white), rinse (blue), and sanitizer (yellow).

Specifications

- Dual voltage (110 V and 220 V) or high voltage only (220V) models
- Mini quick change pump allows tubing replacement in seconds
- Complete pump assembly removes without tools
- Units programmed via plug in 2 button programmer

<table>
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<th>Color</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-CDV</td>
<td>Detergent</td>
<td>Red</td>
<td>110 or 220 volt, concentration</td>
</tr>
<tr>
<td>O-CHV</td>
<td>Detergent</td>
<td>Red</td>
<td>220 volt, concentration</td>
</tr>
<tr>
<td>O-PDV</td>
<td>Detergent</td>
<td>White</td>
<td>110 or 220 volt, time</td>
</tr>
<tr>
<td>O-PHV</td>
<td>Detergent</td>
<td>White</td>
<td>220 volt, time</td>
</tr>
<tr>
<td>O-RDV</td>
<td>Rinse</td>
<td>Blue</td>
<td>110 or 220 volt, speed control</td>
</tr>
<tr>
<td>O-RHV</td>
<td>Rinse</td>
<td>Blue</td>
<td>220 volt, speed control</td>
</tr>
<tr>
<td>O-SDV</td>
<td>Sanitizer</td>
<td>Yellow</td>
<td>110 or 220 volt, speed control</td>
</tr>
</tbody>
</table>
Solid Product Dispensing Systems

581P-2W Sure-Timer II is a completely enclosed dispensing system for solid pot and soap, solid presoak, solid floor cleaner, and solid laundry products.

- Equipment tray attaches to bowl with a plastic nut and is sealed by an EPDM gasket
- Secure programming method prevents misuse during operation
- 5 Minute dwell time can be set to prevent continuous operation
- Eight C size batteries allow over 10,000 cycles due to latching valve technology
- Solenoid valve can be serviced without removing drip tray

Model 581A-2W includes a 110 VAC plug-in transformer to operate instead of battery use.

581-1BV Manual Bowl Dispenser

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

Model 581KS-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.

Universal Bowl with Brass Siphon Breaker

581-1W M B H-B
(see page 6 for features)

581-1RB-B
(see for features)
**WAREWASH DISPENSER PARTS**

### TITAN and DEMAMaster™ Parts

#### Circuit Boards
- **81-118-1** Detergent Circuit Board for Probe Series Dispensers (DM-812-LL-2T)
- **81-118-5** Detergent Circuit Board for Probeless Series Dispensers (DM-812-PLL-2T)
- **81-118-2** Rinse Speed Control Circuit Board with delay and limit operation for Probe and Probeless Dispenser Series.
- **81-118-3** Dual Rinse Speed Control Circuit Board with delay and limit operation for three product Probe and Probeless Dispensers where sanitizer pump is used. (DM-813-LLL-2T)
- **81-205-1** Titan Control Board and Display
- **81-118-11-3** Titan Trigger Board with One 5-Conductor Cable

#### Pump Squeeze Tubing
For metric conversion to millimeters see inside back cover of catalog
- **25-65CE-11** 11" Detergent Squeeze Tube EPDM (1/2" OD X 1/4" ID)
- **25-65CE-600** 50‘ Roll Detergent Squeeze Tubing EPDM
- **25-65CV-11** 11" Detergent Squeeze Tube Viton (1/2" OD X 1/4" ID)

#### Probes and Fittings
- **C-12B** Detergent Probe
- **80-55** 90 Degree ELL Fitting for Liquid Detergent Connection
- **58-5** 70 Degree ELL Injection Fitting for Bowl Connection
- **904-8S** 1/4” Tube X 1/8” NPT Stainless Steel Check Valve with Stainless Ball
- **904-8T** 1/4” Tube X 1/8” NPT Stainless Steel Check Valve with Teflon Ball
- **904-4S** 1/8” Tube X 1/8” NPT Stainless Steel Check Valve with Stainless Ball
- **904-4T** 1/8” Tube X 1/8” NPT Stainless Steel Check Valve with Teflon Ball
- **904-8P** 1/4” Tube X 1/8” NPT Techtron Check Valve (chlorine resistant)
- **904-4P** 1/8” Tube X 1/8” NPT Techtron Check Valve (chlorine resistant)

#### Solenoid Valves
- **442J-WW-4B** Brass Solenoid Valve with cover and bracket
- **P442J-WW-4** Celcon Solenoid Valve with cover and bracket

#### Motors and Transformers
- **80-59-15M K** Gearmotor 15 rpm 24 vdc (Metal)
- **80-59-60M K** Gearmotor 60 rpm 24 vdc (Metal)
- **80-59-105M K** Gearmotor 105 rpm 24 vdc (Metal)
- **81-14-120** Gearmotor 120 rpm 230 vac (Metal)
- **81-13-100** Gearmotor 100 rpm 120 vac (Metal)
- **81-13-120** Gearmotor 120 rpm 120 vac (Metal)
- **80-70** 40VA Transformer
- **80-70-460** 40VA Transformer 460 vac to 24 vac
- **81-13-115** Gearmotor 115 rpm 115 vac (Metal)
- **81-14-230** Gearmotor 115 rpm 230 vac (Metal)
- **81-15-115** Gearmotor 60 rpm 115 vac (Metal)

#### Miscellaneous Parts
- **58-2** ASSE 1001 Approved Plastic Siphon Breaker with Fittings
- **81-53** Test Kit
- **25-68-20** 20’ Poly Tubing 1/4” OD
- **80-66** 10” Pick Up Tube 1/4” ID
- **80-66-2** 18” Pick Up Tube 1/4” ID

* All Quick Change pump tubes come assembled with fittings required to connect to John Guest fitting unions.
WAREWASH AND LAUNDRY DISPENSER PARTS

Pump Head Kits

Quick Change 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

Quick Change Pump with cover off

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

Installation Kits for all LaundryMaster Dispensers:

Includes 20’ LDPE tubing, tie wraps, and one 18” pickup tube per pump

- 85-15-3 Three Pump Installation Kit
- 85-15-4 Four Pump Installation Kit
- 85-15-5 Five Pump Installation Kit
- 85-15-6 Six Pump Installation Kit

Laundry Dispenser Circuit Boards and Power Supply

- 84-65-28 IQ-85 Circuit Board for 844P Atlas
- 84-65-2 IQ-80 Circuit Board
- 84-65-22 DC Relay Circuit Board
- 84-65-1 AC Laundry Conversion Kit
- 84-65-6 Signal Transfer Unit (STU)
- 84-65-9 Power Supply

Hand Held Laundry Programming Devices and Cables

- 84-65-24 Enhanced Digital Select Module (EDSM)
- 84-65-31 Universal Select Module for use with Atlas (20 formulas) and LaundryMaster (9 formulas) systems
- 84-27-3 25 feet RJ-45 Cable
- 84-27-4 6 feet RJ-45 Cable

950 Flush Manifold Series

950 Flush Manifold dilutes concentrated product with water and delivers chemical solution to laundry machine in a safe and efficient manner. Flush manifold comes complete with solenoid valve, pressure switch, and up to six chemical inlets. Chemical inlets are either 1/4” barb or compression or 3/8” barb or compression. Units can be easily field converted from one connection to another.

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>FITTING</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>950-1B</td>
<td>Barb</td>
<td>1/4”</td>
</tr>
<tr>
<td>950-1C</td>
<td>Compression</td>
<td>1/4”</td>
</tr>
<tr>
<td>950-2B</td>
<td>Barb</td>
<td>3/8”</td>
</tr>
<tr>
<td>950-2C</td>
<td>Compression</td>
<td>3/8”</td>
</tr>
</tbody>
</table>

Flush Manifold Mounting Kit, Part number 84-65-10, allows flush manifold to be mounted directly to 844 series LaundryMaster.
LAUNDRY DISPENSERS

844 LaundryMaster™ Series

844 LaundryMaster with Enhanced Digital Select Module (EDSM)

Liquid Laundry Dispensers can be equipped with 3, 4, 5, or 6 pumps and supplied with DEMA's Enhanced Digital Select Module (EDSM) or Universal Select Module (USM), a 9 formula keypad.

Features for the LaundryMaster series

- Dual chemical injections per formula
- Low voltage wiring into dispenser
- Quick change peristaltic pumps for easy and fast tubing replacement
- RJ 45 data communication connections
- 80VA transformer on fused power supply board for additional safety
- Main circuit board Is 24VAC

Features for Enhanced Digital Select Module (EDSM)

- Stores up to 20 formulas and can program any number of dispensers
- Easy and quick programming done at convenient location
- Multi-language programming
- Password protected
- Non-volatile memory stores programming

Operating Function Modes:

AUTO FORMULA SELECT: Allows laundry machine microprocessor to choose formula soil classification by sending an appropriate length signal to main control board. Control board has 9 formula memory.

RELAY: Allows sophisticated laundry machine microprocessors to control all functions of the dispenser. Will accept any number of programs sent by the laundry machine 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. Control board has 9 formula memory.

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.

844P Atlas Laundry in Plastic Enclosure

All the same electronic, programming, and pump features as the LaundryMaster but packaged in DEMA's newest plastic enclosure. High voltage is isolated in separate compartment for installation ease and safety. Modular design allows for easy addition of pump stations, with up to 6 pumps per dispenser.

844P-4JJJJ

All 844P models can be purchased with a 20 formula select module (USM) in lieu of Enhanced Digital Select Module (EDSM.)
(Note: An Enhanced Digital Select Module (EDSM) will be required for programming dispenser.)

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>NUMBER OF PUMPS</th>
<th>ENCLOSURE</th>
<th>KEYPAD MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>844P-3JJJ</td>
<td>3</td>
<td>Plastic</td>
<td>None</td>
</tr>
<tr>
<td>844P-3JJJ-E</td>
<td>3</td>
<td>Plastic</td>
<td>EDSM</td>
</tr>
<tr>
<td>844P-3JJJ-U</td>
<td>3</td>
<td>Plastic</td>
<td>20 Formula</td>
</tr>
<tr>
<td>844E-3JJJ-U</td>
<td>3</td>
<td>Stainless</td>
<td>9 Formula</td>
</tr>
<tr>
<td>844P-4JJJJ</td>
<td>4</td>
<td>Plastic</td>
<td>None</td>
</tr>
<tr>
<td>844P-4JJJJ-E</td>
<td>4</td>
<td>Plastic</td>
<td>EDSM</td>
</tr>
<tr>
<td>844P-4JJJJ-U</td>
<td>4</td>
<td>Plastic</td>
<td>20 Formula</td>
</tr>
<tr>
<td>844E-4JJJJ-U</td>
<td>4</td>
<td>Stainless</td>
<td>9 Formula</td>
</tr>
<tr>
<td>844P-5JJJ</td>
<td>5</td>
<td>Plastic</td>
<td>None</td>
</tr>
<tr>
<td>844P-5JJJJ-E</td>
<td>5</td>
<td>Plastic</td>
<td>EDSM</td>
</tr>
<tr>
<td>844P-5JJJJ-U</td>
<td>5</td>
<td>Plastic</td>
<td>20 Formula</td>
</tr>
<tr>
<td>844E-5JJJJ-U</td>
<td>5</td>
<td>Stainless</td>
<td>9 Formula</td>
</tr>
<tr>
<td>844P-6JJJJJ</td>
<td>6</td>
<td>Plastic</td>
<td>None</td>
</tr>
<tr>
<td>844P-6JJJJJ-E</td>
<td>6</td>
<td>Plastic</td>
<td>EDSM</td>
</tr>
<tr>
<td>844P-6JJJJJ-U</td>
<td>6</td>
<td>Plastic</td>
<td>20 Formula</td>
</tr>
<tr>
<td>844E-6JJJJJ-U</td>
<td>6</td>
<td>Stainless</td>
<td>9 Formula</td>
</tr>
</tbody>
</table>

Relay Only LaundryMaster

Dispenser accepts signals from programmable laundry machine and pumps product for that set time. All programming is done at laundry machine. Relay Only Dispenser allows for a less expensive installation when dispenser programming is not required. (Only available in stainless steel enclosure).

844R-40BBBBO 4 pump dispenser
844R-50BBBBO 5 pump dispenser
844R-5DBBBBO 5 pump dispenser
844R-6BBBBOB 6 pump dispenser
844R-6DBBBBD 6 pump dispenser

* B designates 10 ounce per minute pump
* D designates 40 ounce per minute pump
### 845 and 846 Industrial LaundryMaster™ Dispensers

845 and 846 Industrial Laundry Dispensers use the same dependable electronics as the 844 LaundryMaster but the large case design will accommodate 3, 4, 5, or 6 of DEMA's large 40 ounce per minute (1200 milliliters/minute) peristaltic pumps. All pumps are mounted on the front of a stainless steel cabinet.

- **845 Series supplied with DC Motors**
- **846 Series supplied with AC Motors**

### Special Models with no electronics

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Number of Pumps</th>
<th>Keypad Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>846-6NE115</td>
<td>6 pump AC Dispenser</td>
<td>No electronics (115VAC)</td>
</tr>
<tr>
<td>846-6NE230</td>
<td>6 pump AC Dispenser</td>
<td>No electronics (230VAC)</td>
</tr>
</tbody>
</table>

### REPLACE 845 WITH 846 FOR AC MOTOR MODEL NUMBER

### 830 and 840 Series Single and Multi-Product Laundry Systems

830 and 840 Series LaundryMaster dispensers are designed to dispense 1 or 2 products into top loading, coin-op, and other laundry machines up to 50 pounds/25 kilograms capacity. Pumps are triggered by a signal from the laundry machine or by pushing start button.

- 6 oz/180 ml per minute low maintenance peristaltic pump
- One dispenser has the ability to feed two machines
- Stackable pump head kits allow for easy field conversion from 2 to 4 products
- ABS enclosure with water tight seal

- **830-K-1-1** Single Product Liquid Laundry with 60 RPM motor and Installation kit
- **830-K-1-2** Single Product Liquid Laundry with 105 RPM motor and Installation kit
- **831-K-1-1** Two Product Liquid Laundry with 60 RPM motors and Installation kit
- **831-K-1-5** Three Product Liquid Laundry with 60 RPM motors and Installation kit
- **831-K-1-7** Four Product Liquid Laundry with 60 RPM motors and Installation kit

- If installation kit is not desired, leave letter “K” off of part number
- **83-R1** One button remote start switch for 830 series dispensers.
- **83-R2** Two button remote start switch for 830 series dispensers.

### 840 Series

- Removable Key pad performs all programming
- Colored LED's indicate function in use
- Optional bleach pump available
- Pump volume is 8 ounces per minute
- Optional magnetic field sensors available to eliminate high voltage wiring

- **840S-J** One product (detergent)
- **840BS-JJ** Two products (detergent and bleach) pumped together

- **81-245-1** 2 button programmer required for programming only
Dilution at Hand™ Dispensing System

Dilution at Hand dispensers offer the convenience of filling spray bottles with one hand and the option of filling a bucket or scrubber with on/off control at the end of hose where operator is filling. These unique features, along with the traditional lever controlled actuation, make Dilution at Hand a truly revolutionary dispenser.

**FILL SPRAY BOTTLES WITH ONE HAND:** DEMA’s Dilution at Hand valve design incorporates many of the positive features used with the successful 633 valve but turns the valve around 180 degrees for a smooth upward movement when the spray bottle pushes lever.

**REMOTE FILL AT DISPENSING POINT:** Dilution at Hand’s patented remote filling option uses a hand held gun operating as a pilot valve back to water valve for easy on/off control at the end of hose where operator is filling. There are no moving parts, just water being moved from the water valve to the gun and back. Now, instead of moving your bucket or scrubber to the dispenser, take the dispenser to your point of use using the remote fill option.

Dilution at Hand offers both 1 and 4 gallon per minute proportioners, Action Gap backflow or Air Gaps, and Dial-A-Blend capability. A dispenser can be built to meet any desired application.

### Single Station Options

**Note:** All models listed are shipped with DEMA’s ASSE 1055B approved Action Gap backflow preventer. Replace the letters GAP with AG to include an Air Gap proportioner instead of Action Gap.

#### 1 GPM Bottle Fill (4 liters/minute)

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>ACTIVATION METHOD</th>
<th>NUMBER OF CHEMICAL PRODUCTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>701GAP</td>
<td>Bottle or Button Activated</td>
<td>One Chemical</td>
</tr>
<tr>
<td>703GAP</td>
<td>Bottle or Button Activated</td>
<td>Four Chemical Dial-A-Blend</td>
</tr>
<tr>
<td>705GAP</td>
<td>Bottle or Button Activated</td>
<td>One Chemical at Four Dilutions</td>
</tr>
<tr>
<td>707GAP</td>
<td>Bottle Activated Only</td>
<td>One Chemical</td>
</tr>
<tr>
<td>709GAP</td>
<td>Bottle Activated Only</td>
<td>Four Chemical Dial-A-Blend</td>
</tr>
</tbody>
</table>

#### 4 GPM Bucket Fill (16 liters/minute)

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>ACTIVATION METHOD</th>
<th>NUMBER OF CHEMICAL PRODUCTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>702GAP</td>
<td>Button Activated</td>
<td>One Chemical</td>
</tr>
<tr>
<td>702GAP-RF</td>
<td>Remote Fill Activated</td>
<td>One Chemical</td>
</tr>
<tr>
<td>704GAP</td>
<td>Button Activated</td>
<td>Four Chemical Dial-A-Blend</td>
</tr>
<tr>
<td>704GAP-RF</td>
<td>Remote Fill Activated</td>
<td>Four Chemical Dial-A-Blend</td>
</tr>
<tr>
<td>706GAP</td>
<td>Button Activated</td>
<td>One Chemical at Four Dilutions</td>
</tr>
<tr>
<td>706GAP-RF</td>
<td>Remote Fill Activated</td>
<td>One chemical at Four Dilutions</td>
</tr>
</tbody>
</table>
Dilution at Hand™ Dispensing System

Multi Station Units
Dilution at Hand Dispensers may be built to meet any dispensing requirement. DEM A has several factory built multi-station units set up or can build a special unit to meet your requirements. (Minimum order required for factory built special units)

Note: All models listed are shipped with DEM A's ASSE 1055B approved Action Gap backflow preventer. Replace the letters GAP with AG to include an Air Gap proportioner instead of Action Gap.

Multi Station Units With Single Product Proportioners

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LEFT STATION FLOW AND ACTIVATION</th>
<th>RIGHT STATION FLOW AND ACTIVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>720GAP</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute)</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute)</td>
</tr>
<tr>
<td>721GAP</td>
<td>Bottle Activated 1 GPM (4 liters/minute)</td>
<td>Bottle Activated 1 GPM (4 liters/minute)</td>
</tr>
<tr>
<td>722GAP</td>
<td>Button Activated 4 GPM (16 liters/minute)</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute)</td>
</tr>
<tr>
<td>722GAP-RF</td>
<td>Remote Fill Activated 4 GPM (16 liters/minute)</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute)</td>
</tr>
<tr>
<td>724GAP</td>
<td>Button Activated 4 GPM (16 liters/minute)</td>
<td>Button Activated 4 GPM (16 liters/minute)</td>
</tr>
<tr>
<td>724GAP-RF</td>
<td>Remote Fill Activated 4 GPM (16 liters/minute)</td>
<td>Remote Fill Activated 4 GPM (16 liters/minute)</td>
</tr>
</tbody>
</table>

Multi Station Dispensers with Dial-A-Blend Proportioners

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LEFT STATION FLOW AND ACTIVATION</th>
<th>RIGHT STATION FLOW AND ACTIVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>730GAP</td>
<td>Button Activated 4 GPM (16 liters/minute)</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute) 4 Product Dial-A-Blend</td>
</tr>
<tr>
<td>730GAP-RF</td>
<td>Remote Fill Activated 4 GPM (16 liters/minute)</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute) 4 Product Dial-A-Blend</td>
</tr>
<tr>
<td>731GAP</td>
<td>Button Activated 4 GPM (16 liters/minute) 4 Product Dial-A-Blend</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute) 4 Product Dial-A-Blend</td>
</tr>
<tr>
<td>731GAP-RF</td>
<td>Remote Fill Activated 4 GPM (16 liters/minute) 4 Product Dial-A-Blend</td>
<td>Bottle or Button Activated 1 GPM (4 liters/minute) 4 Product Dial-A-Blend</td>
</tr>
</tbody>
</table>

Dilution at Hand Rack Options

Dilution at Hand Dispensers mounted to chemical storage racks. These dispensers offer a complete system keeping chemical containers off the ground in a safe manner and a drip tray mounted to the rack. Single and four station racks are available standard. Custom racks with various stations and sizes can be made if minimum lot sizes are met.

701GAP-RACK: One gallon bottle rack with 701GAP dispenser attached.
702GAP-RACK: One gallon bottle rack with 702GAP dispenser attached.
702GAP-RF-RACK: One gallon bottle rack with 702GAP-RF dispenser attached.
730GAP-RACK: Four gallon bottle rack with 730GAP dispenser attached.
730GAP-RF-RACK: Four gallon bottle rack with 730GAP-RF dispenser attached.
731GAP-RACK: Four gallon bottle rack with 731GAP dispenser attached.
731GAP-RF-RACK: Four gallon bottle rack with 731GAP-RF dispenser attached.

6.5" W X 20" H X 7" D on 701GAP-RACK
25" W X 20" H X 7.5" D on 731GAP-RF-RACK
Blend Safe II Dispensing System

Blend Safe II is a modular, locking dispensing system that allows users to dispense chemicals safely, control dispenser inventory, and have the flexibility in the field to meet changing requirements at different accounts.

- Locking cabinets molded in durable Polypropylene
- Removable drip tray
- Units are held together with easy to use clips
- Locking cabinets can be mounted on a vertical or horizontal plane
- Cabinet accommodates various bottle sizes (up to 5 liters)

Model Numbers: All model numbers listed below include DEMA’s Action Gap backflow preventer. Specify the letters AG instead of GAP if DEMA’s Ultra Gap Air Gap proportioner is preferred.

Last suffix number designation:
1 is 1 gallon per minute flow (4 liters/minute)
4 is 4 gallon per minute flow (16 liters/minute)

1 Station
- 662-GAP-1 (1gpm)
- 662-GAP-4 (4gpm)

2 Station-one dual button cabinet
- 662-2GAPDB-11
- 662-2GAPDB-14
- 662-2GAPDB-44

2 Station-two single button cabinets
- 662-2GAP-11
- 662-2GAP-14
- 662-2GAP-44

3 Station
- 662-3GAP-1
- 662-3GAP-114
- 662-3GAP-144

4 Station-two dual button cabinets
- 662-4GAP-1111-2
- 662-4GAP-1114-2
- 662-4GAP-1144-2

4 Station-four single button cabinets
- 662-4GAP-1111-4
- 662-4GAP-1114-4
- 662-4GAP-1144-4

Dial-A-Blend
- 662-639GAP (4 products @ 1gpm, 1 product @ 4gpm)
- 662-637GAP-1 (4 products @ 1gpm)
- 662-637GAP-4 (4 products @ 4gpm)
- 662-635GAP-4 (1 product @ four dilutions 4gpm)

Dispenser Only
(No locking cabinets included in the part numbers below)

- 66-144GAP-1 One button top - 1gpm (4 liters/minute)
- 66-146GAP-1 One button top - 4gpm (16 liters/minute)
- 66-148GAP-1 Two button top - 1gpm/1gpm
- 66-148GAP-2 Two button top - 1gpm/4gpm
- 66-149GAP-2 1 product @ four dilutions 4gpm
- 66-150GAP-1 4 products @ 1gpm
- 66-150GAP-2 4 products @ 4gpm
- 66-151GAP 4 products @ 1gpm and 1 product @ 4gpm
- 66-151GAP-2 4 products @ 1gpm and 4 products @ 4gpm
Blend Centers and Blend Safe Dispensers

Blend Centers and Blend Safe dispensers use DEMA’s modular 633 valve body to create the dispenser needed for any field installation. Choose from single button plastic units, multi station stainless steel units or the lockable 661 stainless steel series.

633 Series Plastic Blend Center’s modular design lets you easily couple together any number of stations to create a system that meets your specific needs. Mix and match both high and low flow units for filling spray bottles, buckets, sinks, and other reservoirs. Choose from blue, red, green, yellow, black, or white buttons.

MODEL NUMBERS: All model numbers listed below include DEMA’s Action Gap backflow preventer. Specify the letters AG instead of GAP if DEMA’s Ultra Gap Air Gap proportioner is preferred.

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 Series Stainless Steel and Plastic Cover Blend Centers

Models listed below include 4 gpm (16 liters/minute) proportioners. All models can be ordered with any combination of 1 or 4 gpm (4 or 16 liters/minute) proportioners. Contact Customer Service for additional model numbers.

<table>
<thead>
<tr>
<th>STATION</th>
<th>MODEL No.</th>
<th>COVER MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>681GAP-1</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>2</td>
<td>681GAP-2</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>2</td>
<td>681GAP-2P</td>
<td>Plastic</td>
</tr>
<tr>
<td>3</td>
<td>681GAP-3</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>3</td>
<td>681GAP-3P</td>
<td>Plastic</td>
</tr>
<tr>
<td>4</td>
<td>681GAP-4</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>5</td>
<td>681GAP-5</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

661 Series Lockable Stainless Steel Dispensers

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
**Accessories and Spare Parts**

**44-3N-6**
- Six feet (2 meters) nylon braided hose

**44-3-6**
- Six feet (2 meters) black hose

**66-43**
- Pressure regulator (40 psi / 2.5 bar) with GHT connections

**68-6**
- Pressure Indicating Tee with Garden Hose Threads
- To meet various municipal plumbing codes for backflow prevention

**68-6QD1**
- Pressure Indicating Tee with Male Quick Disconnect

**68-6QD2**
- Pressure Indicating Tee with Male and Female Quick Disconnect

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

**61-22-3**
- Four gpm proportioner

**61-22-3AG**
- One gpm air gap proportioner

**60-54**
- 1/4" in line check valve

**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

**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

**100-16E**
- 1/4" and 3/8" Diaphragm foot valve with EP seal

**100-16L**
- 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**
- Eight feet 1/4" ID inlet tubing

**100-12**
- Eight feet 1/4" ID inlet tubing

**100-15K**
- Tip kit

**100-15KU**
- Ultra lean tip kit

**44-61P**
- Capillary metering tip for lean dilutions
**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.

- 10 gpm flow rate at 40 psi (3/4" or larger water supply required)
- Vacuum breaker installed
- 6 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 antifreeze mixing where more product than water is required.

**Model 162HCGHT** Allows up to 50 feet (15 meters) of outlet hose to be attached and the use of a spray gun or foam wand. Unit is capable of drawing a 4-1 dilution ratio. Comes complete with a 25 feet (8 meters) nylon braided outlet hose and spray gun. Ideal unit for the spraying of asphalt release agents on truck beds.

**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).

- 10 gpm flow rate at 40 psi
- Draws up to 12 ounces per gallon chemical solution
- Discharge hose can be up to 25 feet (8 meters) long
- Shut-off valve (DEM A #90-15) can be put at end of hose for on/off control
- Metering tips determine dilution ratio
SPRAY CLEAN DISPENSERS

Roam 'n Foam Spray and Foam Dispenser

Effective cleaning and sanitizing
• 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
• Patent pending 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
  — 3 flow rates to choose from
  — Easy maintenance and replacement
• Built in hose hanger
  — Helps prevent foam wand loss or damage

Specifications
• Dimension
  9 1/2"W x 11 1/2"H x 4"W
  (240 mm x 292 mm x 102 mm)
• Injector Flow Rate
  2.5, 3 and 3.5 gallons per minute
  (9.5, 11.5 and 13.5 liters per minute)
• 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
• Built in hose hanger
• Polypropylene components

MODEL NUMBERS AND KITS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>625RN F-1</td>
<td>Dispenser only</td>
</tr>
<tr>
<td>625RN F-2</td>
<td>Dispenser with 44-3RG red outlet hose, 44-3-6 black inlet hose, and 40-14QD/292QD spray gun / foam wand kit</td>
</tr>
<tr>
<td>625RN F-3</td>
<td>Dispenser with 44-3RG red outlet hose, 44-3-6 black inlet hose, 28-1QD spray gun and 292QD foam wand</td>
</tr>
<tr>
<td>625RN F-4</td>
<td>Dispenser with 44-3RG red outlet hose, 44-3-6 black inlet hose, 40-14QD/292QD spray gun / foam wand kit and 44-89-112 backflow preventer</td>
</tr>
<tr>
<td>625RN F-5</td>
<td>Dispenser with 44-3RG red outlet hose, 44-3-6 black inlet hose, 28-1QD spray gun, 292QD foam wand and 44-89-112 backflow preventer</td>
</tr>
</tbody>
</table>

ACCESSORIES

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

Additional hoses, spray guns, foam wands, nozzles, and other accessories available through DEMA Customer Service
DEM A 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, DEM A can satisfy the requirement. Wash, rinse, and sanitize all from the same system.

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

Model 901-625RN F  Mobile Cleaning System puts everything needed for portable cleaning on two wheels. Unit offers mobile foaming, rinsing and sanitizing for cleaning school showers, large kitchens, food processing plants and grocery store food preparation areas.

- Two wheel cart with pneumatic tires and plastic frame (600 lb. capacity)
- 625RNF SprayClean dispenser
- 25 feet (8 meter) outlet hose and 6 feet (2 meter) water inlet hose
- Hanger for both hoses
- Spray gun and foam wand
- Clip to hold detachable foam wand

SprayClean Accessories

28-1QD and 292GQD
Spray Gun and Foam Wand set
(order items separately)

40-14QD/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
Compressed Air Foamers

Model 294D 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 294DC
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.

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).

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

<table>
<thead>
<tr>
<th>HOSE SIZE AND LENGTH</th>
<th>MINIMUM PRESSURES Water</th>
<th>MINIMUM PRESSURES Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Feet (8 Meters) of 3/4&quot; ID</td>
<td>40 PSI (2.7 Bar)</td>
<td>40 PSI</td>
</tr>
<tr>
<td>50 Feet (15 Meters) of 3/4&quot; ID</td>
<td>50 PSI (3.4 Bar)</td>
<td>40 PSI</td>
</tr>
<tr>
<td>75 Feet (25 Meters) of 3/4&quot; ID</td>
<td>60 PSI (4.1 Bar)</td>
<td>40 PSI</td>
</tr>
</tbody>
</table>

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.
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.

FoamStation Mobile Dispensers

Model 901-692T
692T Dispenser mounted to mobile cart for portable foaming applications. Unit includes 6 feet (2 meter) water supply hose, 25 feet (8 meter) outlet hose, and foam wand assembly. Foam wand includes ball valve for on/off control at point of use.

Model 901-693T
693T Dispenser mounted to mobile cart for portable foaming applications where an additional sanitizer spray is required. Unit includes 6 feet (2 meter) water supply hose, 25 feet (8 meter) outlet hose, foam wand assembly and spray gun.

Model 901-294DC
294DC Dispenser mounted to mobile cart for portable foaming applications. Unit includes 6 feet (2 meter) water supply hose, 25 feet (8 meter) outlet hose, and foam wand assembly. Foam wand includes ball for on/off control at point of use.

NOTE:
Air compressor is required at location of use for above units. Air compressor is not part of dispenser.

Model 901-693T
MixRite Water Powered Proportioning Pump

- Uses only 20% of pressure to drive the pump
- No electricity required
- Low maintenance
- Precise, reliable dosing regardless of changes in water flow or pressure
- Easy to adjust
- Fewer moving parts than competitive models
- Piston seals easily replaced
- No tools required for disassembly
- Chemical cylinder is polyethylene

SPECIFICATIONS:
- Available with or without control valve that allows the shutdown of chemical while water is still flowing through the unit
- Injection rate from .2% to 10%
- Injection ratios from 1:500 to 1:10
- Flows from .09 gpm to 11 gpm
- Water pressure from 2.9 psi to 85 psi
- Chemical resistant construction, Buna seals, and 302 stainless springs
- Viton o-ring and hastelloy spring available for chemical check valve
- Bypass models for harsh chemicals
- Includes 7 ft. inlet tubing and foot valve strainer
- Dimensions are 19 1/2" high, 7" wide
- Hose barbs with swivel for easy installation

APPLICATIONS:
- Vehicle Wash
- Food and Beverage Sanitizing, Cleaning and Lubricating
- Machine Tool Coolants and Metal Processing
- Animal Medication
- Foaming for Food Service Sanitation
- Fertigation
- Many other applications where applying liquid under pressure

10 MixRite Models to meet your applications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PRESSURE</th>
<th>INDUCTION</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>570</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
<tr>
<td>571</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
<tr>
<td>572</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 250:1 to 25:1</td>
</tr>
<tr>
<td>573</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 250:1 to 25:1</td>
</tr>
<tr>
<td>574</td>
<td>2.9 - 80 PSI</td>
<td>.19-4.08 BAR</td>
<td>Ratio: 33:1 to 10:1</td>
</tr>
<tr>
<td>575</td>
<td>2.9 - 80 PSI</td>
<td>.19-4.08 BAR</td>
<td>Ratio: 33:1 to 10:1</td>
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<tr>
<td>BYPASS</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
<tr>
<td>576IN</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
<tr>
<td>577IN</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
<tr>
<td>578IN</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
<tr>
<td>579IN</td>
<td>2.9 - 85 PSI</td>
<td>.19-5.8 BAR</td>
<td>Ratio: 500:1 to 50:1</td>
</tr>
</tbody>
</table>

INDUCTION RATIOS ARE BASED ON WATER THIN PRODUCTS (1 CPS) HIGHER VISCOSITIES WILL AFFECT INDUCTIONS

BYPASS (Models 576, 577, 578, 579)
For corrosive and aggressive fluids that may damage internal pump parts. These models allow chemical to bypass main pump engine and are injected into the pump discharge line.
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 System
Compressed Air Foam Systems that include MixRite, foam chamber, 25' hose, and foam wand. (Wall mount spray systems also available).

Cart Mount Spray System
Mobile Cleaning/Sanitizing Systems that include MixRite, 25' hose and spray gun. (Mobile foam systems also available).

MixRite Panels

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PRESSURE</th>
<th>INDUCTION</th>
<th># OF CHEMICALS</th>
<th>FOAMING</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>570VFP-1</td>
<td>2.9 - 85 PSI</td>
<td>.19 - 5.8 BAR</td>
<td>500:1 - 50:1</td>
<td>.2% - 2%</td>
<td>1 yes can be connected in series</td>
</tr>
<tr>
<td>570VFP-2</td>
<td>2.9 - 85 PSI</td>
<td>.19 - 5.8 BAR</td>
<td>500:1 - 50:1</td>
<td>.2% - 2%</td>
<td>2 yes</td>
</tr>
<tr>
<td>570VFP-3</td>
<td>2.9 - 85 PSI</td>
<td>.19 - 5.8 BAR</td>
<td>500:1 - 50:1</td>
<td>.2% - 2%</td>
<td>3 yes</td>
</tr>
<tr>
<td>570VWP-1</td>
<td>2.9 - 85 PSI</td>
<td>.19 - 5.8 BAR</td>
<td>500:1 - 50:1</td>
<td>.2% - 2%</td>
<td>1 no can be connected in series</td>
</tr>
</tbody>
</table>

Vehicle Foaming Panels (VFP) include:
- 570 MixRites
- Inlet ball valve for strainer maintenance
- 200 mesh strainer
- 3/4" DEMA brass diaphragm valve (specify 24 VAC or 120 VAC)
- One inlet ball valve per station for flow control
- Outlet PVC check valve
- Plexiglass panel
- 1/2" stainless steel diaphragm valve and air regulator with pressure gauge

Vehicle Wash Panel (VWP) include:
- Same as VFP less air regulator, gauge and valve
**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).

**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)

**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.

**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 244B CDM** Drum Mount Model of 244BC
## APPROVALS

**DEMA Engineering Co.**
ISO 9001:2000 Certified

![Certification Logos]

**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
CSA
Various U.S. states and cities
KIWA-Netherlands
Australia
DVGW-Germany
WRC-United Kingdom

**Model 153 and 154**
ASSE 1055-97

**633 Valve Body**
NSF-61

**58-1 Siphon Breaker**
ASSE 1001

**DEMA Master Dishwash Series**
CSA

**TITAN Dishwash**
CE, CSA

**ATLAS Laundry**
CE, CSA

## METRIC CONVERSIONS

<table>
<thead>
<tr>
<th>To go from</th>
<th>Multiply by</th>
<th>To get</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gallons</td>
<td>3.785</td>
<td>Liters</td>
</tr>
<tr>
<td>Ounces</td>
<td>29.57</td>
<td>Milliliters</td>
</tr>
<tr>
<td>PSI</td>
<td>0.068</td>
<td>Bar</td>
</tr>
<tr>
<td>Inches</td>
<td>25.4</td>
<td>Millimeters</td>
</tr>
<tr>
<td>Fahrenheit</td>
<td>5/9(F-32)</td>
<td>Celsius</td>
</tr>
<tr>
<td>Liters</td>
<td>0.2642</td>
<td>Gallons</td>
</tr>
<tr>
<td>Milliliters</td>
<td>0.34</td>
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</tr>
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<td>Bar</td>
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<tr>
<td>Millimeters</td>
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<td>Inches</td>
</tr>
<tr>
<td>Celsius</td>
<td>9/5C+32</td>
<td>Fahrenheit</td>
</tr>
</tbody>
</table>
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