

# Dispensing Systems

PRODUCT CATALOG



Warewash, Laundry, Drain & Deodorizing Chemical Systems

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

# About Us

## Viking LLC, A DEMA COMPANY

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Viking was founded in New York State in 1961. Within a few years, the company was relocated in Lehighton, a small town in the Pocono Mountains of Eastern Pennsylvania. The business was operated for the next 35 years out of a building nestled in a valley between a winding stream and a country road. Viking started out with very basic dispensing systems and components, the majority of which were manufactured in-house. From eductors and probes, Viking eventually designed complete electronic dispensing systems fabricated in stainless steel cases. In the early 1980s, Viking acquired the injection molding equipment necessary to become the first chemical dispenser manufacturer to house their electronic controls in a plastic enclosure called the Supra case. Also in the 1980s, Viking designed and was awarded a patent for the SuperBowl, the first encapsulated powder dispenser to enable their customers to move away from the side mount reservoirs that were the industry standard. The SuperBowl quickly evolved into the Viking Bowl, the unit against which others are still compared to (and copied from) today.

In 1996, after looking at numerous existing facilities, Viking decided to build a modern 12,000 square foot building in Nesquehoning, PA, a move 12 miles West from the Lehighton location. The continued efforts by Viking to expand their customer base and sales efforts required the construction of a building addition in 2002. Viking continues to serve their customers, some of which have been with them for most of their 50+ years.

On December 31st 2007, Viking was acquired by Dema Engineering Company in St. Louis. Viking brings 50+ years of experience, and, when coupled with DEMA's 50+ years, results in an impressive 100 years of chemical dispensing and fluid control knowledge.

DEMA's worldwide headquarters are located in St. Louis, Missouri, U.S.A., with additional sales and warehouse locations in Zeewolde, Netherlands, Sydney, Australia, Shanghai, China and Sao Paulo, Brazil. The two product lines combined will offer our customers the most options in the marketplace when choosing chemical dispensing products to economically and accurately dispense institutional cleaning chemicals.



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# Bowls & Systems

## Viking Bowl

The Viking Bowl is the original and still the best bowl dispenser in the industry. The Viking Bowl is used to feed encapsulated powder or solid products. When used with a mechanical timer valve, it is a perfect combination for pot and pan sinks, top loader laundry machines, floor care products, and many other screen-feed powder or solid dispensing applications.



- ▶ The Bowl can be ordered in Grey, Red or Blue. It can also be ordered with a brass vacuum breaker and metal mpt fitting. Custom colors and private labeling are available – ask for details.



## Screen Caps

Use for both encapsulated powder chemicals and solid chemicals. Screen caps fit jars with a 100mm neck finish.

- ▶ Threaded and locking style screen caps available
- ▶ Two mesh sizes available
- ▶ Each screen cap has an easy to remove safety wafer
- ▶ Barrier paper is available as an added safety feature



MESH SIZE:  
**N Cap**  
Openings are  
.030" square



← Threaded  
Style



**B Cap**  
Openings are  
.055" square



← Locking  
Style

## Barrier Paper

Barrier Paper is a thin protective paper that is installed inside the screen cap before the screen cap is applied to the chemical jar. The piece of barrier paper prevents powdered chemical from escaping through the mesh and reduces the potential for liability as a result of chemical exposure. It is intended to protect the end user from the point when they remove the safety wafer until they invert the jar of encapsulated powder and place it into the Viking Bowl.

Barrier Paper is water soluble which means that once it comes in contact with water it will dissolve and then the chemical can escape through the mesh without interference.



# Bowls & Systems



## ProBowl

The Viking ProBowl is a manually operated ball-valve style solid chemical dispenser used for filling pot & pan sinks and bus pans. Water not used for dissolving chemical is diverted and mixed with the chemical output below the bowl. This unit comes fully assembled and ready to install – just add the inlet fitting and water supply and adjust the set-screw. The ProBowl is cost effective and tamper proof – the set screw used for adjusting chemical concentration is out of the view of the end-user.

- ▶ Standard Colors: Grey, Red & Blue.

## Solid Rinse Bowl

Can be added to any Pro Series Warewash dispenser in the field to easily convert a customer from liquid rinse to solid rinse. The 24 Volt AC from the secondary wires of the rinse transformer is shared to the solenoid valve on the Solid Rinse Bowl and anytime the rinse transformer sees power, the solenoid feeds if the float switch is lower than the shut off height in the reservoir. Solid rinse units are being used more and more on low temp dish machines, some manufacturers are even offering “solid machines” with Viking Bowls installed for both solid detergent and solid rinse.

- ▶ Can be ordered with 24 Volt DC solenoid



## SuperBowl

All in one bowl and microprocessor controlled latching solenoid valve for feeding either powder or solid chemical into a pot and pan sink, bus pan, washing machine, or mop bucket. Run time set with a potentiometer, all features toggled on or off with dip switches.

- ▶ 2, 5 and 10 minute end user lockouts available.
- ▶ Mid cycle shut off feature available.
- ▶ Unit can be manually triggered or signaled by a laundry machine (24-240 volt AC/DC signal) when ordered with Chem\$aver Laundry Trigger Board (CLTB)

## Mechanical Timer & Bowl Timer Combo

Viking's Mechanical Timer is used to control a 5-50 second flow of water to a Viking Bowl dispenser – it is a mechanically actuated water valve that needs no electricity or batteries. An adjustable stop on the side allows the installer to control the amount of time that the system provides water to the Bowl. This unit contains an internal filter, and it can be used with any bowl that has a ¼" compression inlet fitting.

(For reliable operation, the static line pressure should not exceed 50 PSI)

- ▶ Can be ordered with or without bracket

This Bowl Timer Combo can be ordered with or without the Bowl/Timer mounting bracket – a stainless steel bracket that eliminates the need to drill 4 additional holes for the mechanical timer mounting by utilizing the two mounting holes on the left side of the Viking Bowl. A perfect combination for timed pot and pan/silver soak product dispensing.



▶ Mechanical Timer



▶ Bowl Timer Combo

# Warewash

## Pro Series

Viking is leading the industry with field-proven warewash systems. Viking's compact Pro Series Dispensers are backed by a solid one-year warranty. In addition to the Pro Dispensers for high-temperature probe-controlled applications, there is also a time-based Pro Probeless unit and the Pro VI for low-temperature, dump and fill, and glass washer applications.

### Timed & Triggered Units

Item Name	Description
<b>Pro VI</b>	Used for low-temp and dump & fill machines. Available as one pump - Liquid Rinse; two pump - Liquid Rinse & Liquid Detergent; or three pump - Liquid Rinse, Liquid Sanitizer and Liquid Detergent. 110V plug -in.
<b>Probeless</b>	Used for dump & fill, low or high temp machines. Operates with one transformer. Available for use with Powder/Solid Detergent or Liquid Detergent; both options use Liquid Rinse.
<b>Pro Glass Washer</b>	Available with one, two or three pumps. Offers adjustable speed pump(s) while voltage is present. Standard 110/208/240V AC transformer.
<b>Liquid Chem\$aver</b>	Perfect waterless liquid pot and pan/silver soak/sanitizer dispenser. Programmable for 3 sec. to 10 minute runtime. 9 ounces per minute (with water) pump output with standard 1/4" SuperTube. Available in one or two pump.



▲ Pro VI



▲ Liquid Chem\$aver  
One Pump Unit



▲ Liquid Chem\$aver  
Two Pump Unit

▼ Pro I



▼ Pro II



▼ Pro III



▲ Pro IV



▲ Pro V DP is a 2 liquid & dry detergent system used with a Viking Bowl.



▲ Pro V DL is a 3 liquid pump system



## Probe Controlled Units

Item Name	Description
Pro I	Liquid or Powder/Solid Detergent. Standard 110/208/240V AC transformer; can be ordered with 480V transformer.
Pro II	Liquid Rinse or Sanitizer. Operates with one 110/208/240V AC transformer; Can be ordered with a Pressure Switch.
Pro III	Powder/Solid Detergent and Liquid Rinse. Standard 110/208/240V AC transformer; can be ordered with 480V transformer. Can be ordered with a Pressure Switch.
Pro IV	Liquid Detergent and Liquid Rinse. Standard 110/208/240V AC transformer; can be ordered with 480V transformer. Can be ordered with a Pressure Switch.
Pro V	Liquid or Solid Detergent, Liquid Rinse, Liquid Sanitizer. Standard 110/208/240V AC transformer; can be ordered with 480V transformer. Can be ordered with a Pressure Switch.

\*440/480V units cannot be used with a Pressure Switch

## Laundry Control Systems

Viking's compact Pro Laundry Dispensers are backed by a solid one-year warranty and use reliable AC motors. Viking's laundry dispensers are perfect for machines ranging in size from top-loading home-style machines to 200-pound front-loading on-premise machines. Other applications include wet/dry cleaning machines, large animal cage washing machines, and car washes. Call for feasibility of other applications.



▲ Pro Manual Laundry

Item Name	Description
<b>Pro Manual Laundry</b>	Available with 1-3 pumps, perfect dispenser to be used in conjunction with a home-style machine. Push button operated by the end-user. The desired chemical amount is set by the installer. Lockout available when activated.
<b>Pro Laundry (Single Formula)</b>	Available with 1-6 pumps. The dispenser will deliver the same dose each time the circuit board receives a 24-240 volt signal from the laundry machine. The installer sets the dose with run time adjustment.
<b>Pro Relay Laundry</b>	Available with 1-6 pumps. The dispenser will run as long as a valid 24-240 volt signal from the laundry machine is recognized by the circuit board. This is the perfect dispenser for the laundry machines with microprocessor controls. The dispenser is controlled by a specific trigger time programmed by the installer.

Pro Laundry ▶  
(Single Formula)



▲ Pro Relay Laundry

Item Name	Description
<b>Solid Manual Laundry</b>	Used in conjunction with a Viking Bowl. The dispenser is push button activated and operates with a 24 volt AC solenoid.
<b>DEMA V-Line</b>	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 DEMAs 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.

Solid Manual Laundry ▶



▶ DEMA V-Line



# Drain & Odor Control

## Drain & Odor Control Systems

The Drain Chief Plus is the next generation drain and odor control dispensing systems designed for today's needs. Drain Chief Plus can dose and spray for every drain, deodorizer or special dosing application you need.

A modern look, the Drain Chief Plus is housed in a splash proof enclosure with a tongue and groove design that keeps electronics dry throughout use. Drain Chief Plus is available in AC or DC, connect the separate battery pack or wall transformer using an external electrical jack it's as easy as 1-2-3, go! No need spending any time on the floor, the unit comes with a mounting bracket that means you can simply slide on or off the pump and/or battery compartment for fast servicing.

Drain Chief Plus can out pump the competition. Using our quick change pumps, Drain Chief Plus will dose up to 14oz/min (420ml/min) making sure drains, trash chutes and compactors are clear and clean. Combine the pump capabilities and long term reliability with tool-less quick change squeeze tube access, drain and odor control dispensing doesn't get much easier.



▲ DC model shown with EZ connect battery pack



▲ Battery Connection

### Drain Chief Plus

#### Drain or Deodorizing Dispensing System

Available for use with drains and grease traps as Drain Chief Plus or for trash chutes and dumpsters as ProScental Plus. Using digital programming, you can easily program for various run time configurations, set low battery notification (for DC version only), and switch from odor suppression to drain control and back as needed. A quick change pump and dispenser backplate keep you off the ground when servicing wear items like squeeze tubes.

#### Features & Benefits

- ▶ Common sense, easy to understand and digital programming
- ▶ 24/7 battery monitor with low battery warning
- ▶ Water resistant components for under counter and low wall installations
- ▶ "Plug-n-go" electrical hookup for quick and easy connect/disconnect
- ▶ Tool less quick change pump
- ▶ Fast snap mounting bracket to quickly remove/reattach unit from wall for preventative maintenance
- ▶ Easy switch between odor suppression & drain maintenance modes through simple programming
- ▶ Odor suppression mode uses a brass nozzle with configurable spray pattern for stream to mist adjustments
- ▶ AC wall power (115/230VAC)

# Drain & Odor Control

## Drain & Odor Control Systems

Viking is leading the industry with field-proven drain and odor control chemical dispensing systems. Viking's Pro Series Dispensers are known for their reliability and durability in the field and are backed by a solid one-year warranty. The 110-Volt Pro Drain Chief is the best known dispenser in the industry for grease trap maintenance. The Pro Battery Drain Chief uses 2 alkaline lantern batteries to dispense where outlets are not available. An 8 D-cell battery holder is an available option on the Battery Drain Chief. Viking's Pro Scentnal is used for odor suppression around trash chutes, compactors, dumpsters, and anywhere else bad odors need to be controlled.

### Pro Drain Chief

Automatically feeds chemicals into drains and grease traps to break up grease and eliminate odors. Uses an electromechanical timer and adjustable circuit board for dosing activations and is capable of up to 48 feeds per 24 hours. Operates on standard 110 volt wall plug.

- ▶ Specify low speed (4 ounces/minute) or high speed (18 ounces/minute).
- ▶ Optional Viton tube available.
- ▶ Export (230 Volt/50 Hertz) units are available.



### Pro Scentnal

Automatically sprays deodorizing chemical through an adjustable brass spray nozzle to treat dumpsters, trash chutes, compactors and other areas requiring odor control. Uses an electromechanical timer and adjustable circuit board for dosing activations and is capable of up to 48 feeds per 24 hours. Operates on standard 110 volt wall plug – pump delivers 18 ounces per minute.

- ▶ Optional Viton tube available.
- ▶ Export (230 Volt/50 Hertz) units are available
- ▶ Adjustable brass spray nozzle for odor control spray application



# Parts & Accessories

Part Number	Description
VO*A*VVBDEMA*V19	ASSE 1001 approved plastic siphon breaker with ¼" compression fittings
VO*A*BRVBWFT*V55	ASSE approved chrome vacuum breaker with ¼" compression fittings
VO*A*NY11MPT*V81	Nylon water inlet fitting with O-ring for Viking Bowl spray arm
VO*S*PLATED *MPT	Chrome plated water inlet fitting with O-ring for Viking Bowl spray arm
VO*A*VBINTAS*V49	Internal assembly for Viking Bowl
VO*A*VBINTPL*MPT	Internal assembly with chrome plated water inlet fitting
VO*A*STDNOZ *V71	Standard nozzle for Viking Bowl used for powder and solid products
VO*A*NDBNOZ *V72	NDB nozzle for Viking Bowl used when poor water pressure is an issue. The spray pattern is similar to the standard and cone nozzles. A smaller orifice provides a narrow spray pattern but concentrates available pressure to allow the spray pattern to reach the top of the jug.
VO*A*POWDNOZ*V73	Powder nozzle for Viking Bowl. The funnel shape on top of the nozzle is used for powders because of the low flat spray. The spray is unable to reach the top of the jug; this is strictly used for powders only.
VO*A*CONENNOZ*V70	Cone nozzle for Viking Bowl used for powders and solids products. The cone shape sheds water. The spray pattern is very similar to a standard nozzle.
CH*A*VBBRCOL*OOO	Groove brass collar for Viking Bowl spray arm

▼ VO\*A\*VVBDEMA\*V19



▼ VO\*A\*BRVBWFT\*V55



▼ VO\*A\*VBINTAS\*V49



▼ VO\*A\*VBINTPL\*MPT



▲ VO\*S\*PLATED \*MPT



▼ VO\*A\*POWDNOZ\*V73



▼ VO\*A\*STDNOZ \*V71



▲ VO\*A\*NDBNOZ \*V72

▲ VO\*A\*CONENNOZ\*V70

▲ VO\*A\*NY11MPT\*V81

# Parts & Accessories

Part Number	Description
VO*A*77ELAS *V41	77° elbow assembly for 5/8" ID tube used with Viking Bowl for powder or solid detergent
VO*A*HP-INJ *V40	Hole plug injection assembly 7/8" x 1/4" compression used for liquid detergent
VO*A*HP7/8 *V07	7/8" Hole plug complete
VO*A*S24C *V45	Solenoid complete with star bushing, cover, and fittings
VO*P*ROLPRO *V44	Pro detergent roller assembly with white rollers used with 1/4" & 3/8" Viking squeeze tubes
VO*P*PROROLB*V07	Pro rinse roller assembly with blue rollers used with 1/8" Viking squeeze tubes
VO*P*FCEBEAR*V94	Pro face plate with bearing
VO*A*UP2FIXD*704	Complete UP-2 probe with fixed studs
VO*A*UP2FLIP*V14	UP-2 probe with studs installed upside down
VO*A*UP100 *V10	UP-100 bayonet probe
WVO*A*UP200C *V11	UP-200 probe with threaded replaceable carbon tips
VO*A*UP200SS*V12	UP-200 probe with replaceable threaded ss tips



VO\*A\*UP200C \*V11



# Parts & Accessories

Part Number	Description
CY*A*GALHOLD*000	304 Stainless round wall mount gallon hold
CY*A*GAL1FHD*000	304 Stainless F style 1 gallon holder
CY*A*GAL2.5F*000	304 Stainless F style 2.5 gallon holder
VO*A*TOPBRKT*VB1	Top mount bracket with hardware complete
VO*A*TMRBRKT*VB2	Bowl timer bracket complete with hardware
VO*A*1/8BCHV*V69	1/8" comp white inline ball check valve for rinse only
VO*A*1/8CPCV*V09	1/8" comp grey check valve. Constructed with a Hastoley spring, Viton O-ring and Teflon ball.
VO*A*1/4CPCV*V07	1/4" comp grey check valve. Constructed with a Hastoley spring, Viton O-ring and Teflon Ball.
VO*A*3/8CPCV*V08	3/8" comp check valve for chlorine. Constructed with a Hastoley spring, Viton O-ring and Teflon Ball.
VO*A*REGKIT *V77	Regulator kit 0-50 PSI 1/4" compression with gauge.
VO*A*REGKTNG*V05	0-50 PSI regulator with 1/4" compression fittings
VO*A*BRNOASY*V65	Brass spray nozzle assembly used with the Pro Scentnal & Scentnal Plus



▲ CY\*A\*GALHOLD\*000



▲ CY\*A\*GAL1FHD\*000



▲ CY\*A\*GAL2.5F\*000



▲ VO\*A\*TOPBRKT\*VB1



▲ VO\*A\*TMRBRKT\*VB2

◀ VO\*A\*1/8CPCV\*V09

◀ VO\*A\*1/4CPCV\*V07

◀ VO\*A\*3/8CPCV\*V08

◀ VO\*A\*1/8BCHV\*V69



▲ VO\*A\*REGKIT \*V77



▲ VO\*A\*BRNOASY\*V65

# Parts & Accessories

## Squeeze Tubes

Part Number	Material	Dimensions ID x OD	End Fittings	Application
VO*P*1/8NEND*V30	Norprene	1/8" x 3/8"	Compression ends	Warewash - Rinse & Sanitizer
VO*A*LNTUBWE*V98	Norprene	1/4" x 1/2"	Compression ends	Warewash - Detergent
VO*P*3/8NEND*V18	Norprene	3/8" x 5/8"	Compression ends	Laundry
VO*P*1/4EPWE*VT6	EPDM	1/4" x 1/2"	Compression ends	Warewash, Laundry or Drain
VO*P*3/8EPDM*V84	EPDM	3/8" x 5/8"	Compression ends	Laundry
VO*P*1/4VEND*V27	Viton	1/4" x 1/2"	Compression ends	Pro Drain
VO*P*1/8SEND*V34	Silicone	1/8" x 3/8"	Compression ends	Warewash - Rinse & Sanitizer
VO*P*1/4SIEN*V33	Silicone	1/4" x 1/2"	Compression ends	Pro Drain
VO*P*3/8SIEN*V89	Silicone	3/8" x 5/8"	Compression ends	Laundry
VO*P*18SPREN*ST2	SuperTube	1/8" x 3/8"	Compression ends	Warewash - Rinse & Sanitizer
VO*P*14SPREN*ST2	SuperTube	1/4" x 1/2"	Compression ends	Pro Drain
VO*P*1/4COEX*TUB	Lined Norprene	1/4" x 1/2"	Compression ends	Laundry
DE*M*81.1771*000	EPDM	1/4" x 7/16"	1/4" John Guest	Drain Plus
DE*M*81.1774*000	Silicone	1/4" x 7/16"	1/4" John Guest	Drain Plus
DE*M*81.1775*000	Viton	1/4" x 7/16"	1/4" John Guest	Drain Plus
DE*M*81.177.*100	SuperTube	1/4" x 7/16"	1/4" John Guest	Drain Plus

OTHER TUBING OPTIONS AVAILABLE, CONTACT CUSTOMER SERVICE.

## Dip Tubes

Part Number	Description	Application
VO*S*DIP-1/8*V36	1/8" Dip tube fitting	Warewash - Rinse & Sanitizer
VO*S*DIP-1/4*V37	1/4" Dip tube fitting	Warewash or Pro Drain
CH*A*1/8X1/4*000	1/8" Dip tube fitting	—
CH*L*15-4FIT*000	1/4" Dip tube fitting	—
VO*S*DIPSPEC*S13	PVC Dip tube 1/8" - 1/4" comp.	Warewash, Pro Drain or Laundry
VO*S*DIP-3/8*V38	PVC Dip tube 1/8" - 1/4" comp.	Laundry
DE*M*813121_*000	Tube stiffener 12"	Drain Plus



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