

# Cleaning & Sanitizing



# ABOUT US

## **A broad choice - whatever the application**

For over 50 years, Hydro Systems has been developing and introducing products that improve chemical performance, reliability and our customers' bottom lines.

We build long-lasting relationships with customers and offer custom, industry-leading solutions that positively impact your business. Hydro is committed to delivering superior customer support and ensuring unparalleled responsiveness to customers around the world. Our commitment to cutting-edge technology, customer satisfaction and safer operations makes us the leader in the chemical proportioning and dispensing industry.

In addition to our North American corporate office, we have manufacturing and distribution facilities in Australia, Brazil, China and the United Kingdom. No matter where you are, Hydro products are always within your reach.

# Cleaning & Sanitizing

Hydro Systems dispensers, proportioners and injectors assure sparkling floors, streak-free glass and customer confidence by consistent, accurate dosing each and every time. Hydro's extensive technology line provides the dispenser that is perfect for every application.

From refrigerated grocery cases, to automatic carwashes - and every application in between - Hydro's versatile dispensers and injectors offer the widest dilution range and flow rates to accommodate your needs. It's no wonder more professionals rely upon Hydro.

You can always count on change - whether it's fluctuating water pressure, target dilution ratios or cleaning regimen requirements. That's why we developed several patented system enhancements and ancillary products, including the Ultra Lean Metering Device (ULD) and AccuPro Technology, to provide the maximum flexibility and consistency available to the market.

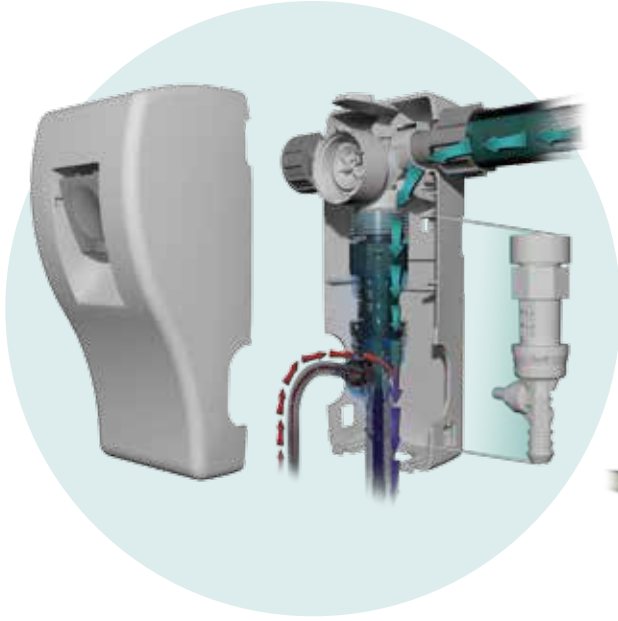
Over the years, Hydro Systems has offered the best chemical proportioners, dispensers and injectors for the cleaning professional.

## **Applications:**

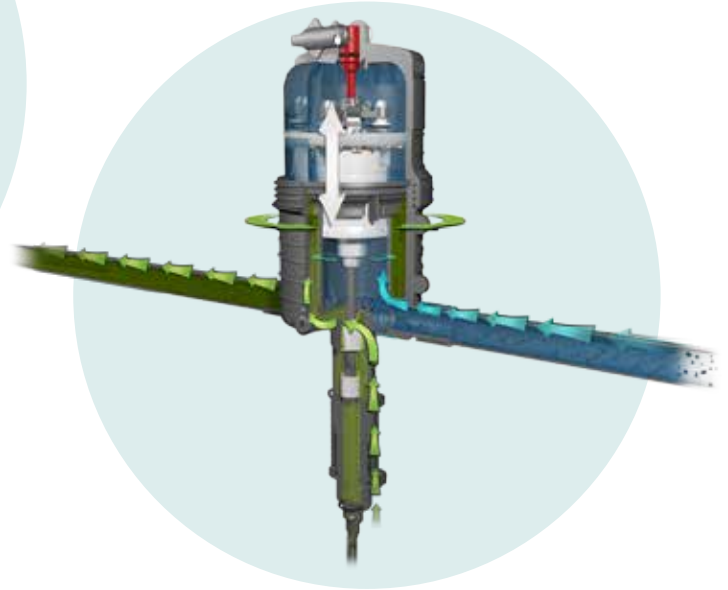
- Bulk & Tote Dispensing
- Restrooms & Showers
- Manual Dishwashing
- Drain Cleaning
- Wall & Ceiling Cleaners
- Foaming Cleaners
- Machine Cleaners
- Exterior Cleaning Products
- Spot Removers
- Glass Cleaners
- Car Wash
- Industrial

# Technology

Venturi technology



Volumetric technology



## Two Precise Technologies

Our expansive product line includes several non-electric, manually-actuated venturi dispensers. These dispensers offer a cost-effective way to ensure that products are dispensed accurately and consistently, on demand. Whether it's to fill a mop bucket with a general purpose floor cleaner, a spray bottle with glass cleaner, or your application demands multiple products into multiple containers, venturi technology dispensers are ready when you are – at the push of a button!

Volumetric technology is the perfect choice when injecting additives into water streams. These water-driven injectors are designed to reliably operate in the most challenging conditions, making them perfectly suited for use with auto scrubbers and other applications where large amounts of diluted chemical solutions are dispensed each day. When the water is flowing, Hydro Volumetric injectors are delivering precise amounts of diluted chemicals, sanitizers and, more importantly, peace of mind to the operators.

- An ongoing commitment to meeting individual customer needs
- Worldwide support in multiple languages
- Worldwide knowledge and compliance with local regulatory requirements
- 100% production conformity – every unit tested before shipping
- Extensive expertise in corporate customization
- Product design service & rapid prototype production
- Comprehensive after-sales back-up & support
- Manufactured, sold and serviced in your geographic region

## **Eductors**

### **E-Gap**

Hydro's E-Gap eductors, which provide backflow protection through use of an elastomeric sleeve. (ASSE 1055B Approved)

### **AirGap**

Hydro's patented AirGap eductors use a one inch gap of air between the water source and the chemical inlet to provide backflow protection. (ASSE 1055B Approved)

# Innovative Dispensing Solutions



# MultiFlex

## Overview

The MultiFlex Series delivers the flexibility to dispense multiple products from multiple packaging shapes and sizes, and provides the flexibility to configure the system as it works best for your application. Utilizing patented AccuPro Pressure Regulation Technology, MultiFlex Systems ensure accurate dilution regardless of water pressure – ensuring optimal product performance!

## Features

- Compatible with many styles and sizes of concentrate containers
- Configure the system as it works best for your application
- Fully customizable – Hydro's most versatile dispensing system



Hydro's new "pop & latch" mounting bracket allows you to place the chemical concentrate cabinet where it fits best.

To further customize your MultiFlex concentrate cabinets are available for 1 gallon or 2 liter bottles, F-style or round. Choose either or both to suit your specific application.

MultiFlex dispensers and enclosures can be customized to meet your company's specific business strategies.

### Two Button Dispenser Models

Model #	First Button Configuration						Second Button Configuration						
	QDV	E-Gap	Bottle Activated	Remote Nozzle Activated	Select	1.0 GPM	3.5 GPM	E-Gap	Bottle Activated	Remote Nozzle Activated	Select	1.0 GPM	3.5 GPM
881215		√			√	√		√					√
881216		√			√	√		√			√		√
881217		√			√	√		√		√			√
881218		√			√	√		√		√	√		√
881415		√	√		√	√		√					√
881416		√	√		√	√		√			√		√
881417		√	√		√	√		√		√			√
881418		√	√		√	√		√		√	√		√

### One Button Dispenser Models

Model #	QDV	E-Gap	Bottle Activated	Remote Nozzle Activated	Select	1.0 GPM	3.5 GPM
881200		√			√	√	
881400		√	√		√	√	
881800		√		√	√		√
885200	√					3	1
885300	√					2	2

### Additional Products

Model #	Chemical Enclosures
880010	1 gallon enclosure without lock
880011	1 gallon enclosure with lock
880020	2 liter enclosure without lock
880021	2 liter enclosure with lock
880030	Drip tray
880040	Two 1 gallon enclosure without lock
880041	Two 1 gallon enclosure with lock

**Note:** Find accessories at the back of the catalog.



Doors, buttons and cabinetry available in your corporate colors. Ask us how!



# AccuMax

## Overview

The AccuMax is the first in Hydro Systems' new product line of chemical dispensers. It combines 30+ years of industry expertise and all the best features Hydro Systems has to offer. The AccuMax is versatile and durable, featuring patented AccuPro technology for dilution control.

With AccuPro Technology, you can eliminate dilution variance and ensure your customers are never using too much or too little chemical. You will always be dispensing just the right amount!

## Features

AccuMax is the product with over 30 years of experience in the chemical dilution industry. With all of your favorite features, the AccuMax includes:

- 1-5 GPM flow rate options
- New, expansive workspace to easily route tubes
- Easy, tool-free maintenance
- E-gap and AirGap options to satisfy regulatory standards
- Same mounting brackets as Hydro Systems' AccuPro and AccuDose



### Perfect For:

- Easy installation & setup
- All-purpose cleaners
- Floor cleaners
- Glass cleaners
- De-greasers
- Accurate dispensing







Available in 2 types of eductors:

**E-Gap**

Hydro’s E-Gap eductors, which provide backflow protection through use of an elastomeric sleeve. (ASSE 1055B Approved)

**AirGap**

The AirGap uses a one inch gap of air between the water source and the chemical inlet to provide backflow protection. (ASSE 1055B Approved)

Model	Description
3530AG	AccuMax, 1B Lo AirGap
35301	AccuMax, 1B Lo EGap
3533AG	AccuMax, 1B Hi AirGap
35331	AccuMax, 1B Hi EGap
3541AG	AccuMax, 2B Lo AirGap
35411	AccuMax, 2B Lo EGap
3544AG	AccuMax, 2B Hi AirGap
35441	AccuMax, 2B Hi EGap
3546AG	AccuMax, 2B Lo/Hi AirGap
35461	AccuMax, 2B Lo/Hi EGap
3576AG	AccuMax, Select Plus AirGap
35761	AccuMax, Select Plus EGap
3577AG	AccuMax, Dual Select Lo/Hi AirGap
35771	AccuMax, Dual Select Lo/Hi EGap



# AccuPro

## Overview

The patented AccuPro line of proportioners delivers dilution accuracy regardless of fluctuations in water pressure. AccuPro Pressure Regulation Technology eliminates dilution variance by controlling the amount of water allowed into the unit, never allowing it to “lean out” the desired dilution target.

## Features

- Configurations for many applications – 1, 2 and 3 button and select valve models available
- Better chemical performance – consistent, correct dilution
- Time and labor savings – solutions are prepared accurately with reduced preparation time
- Easy installation

### Perfect For:

- Accurately dispensing concentrated chemicals



### One Product Dispensers

AirGap Eductor	E-Gap Eductor	1 GPM	3.5 GPM	Approximate Dilution Range			
				1 GPM Min.	1 GPM Max.	3.5 GPM Min.	3.5 GPM Max.
3930AG	39301	1	0	2.5:1	128:1	—	—
3933AG	39331	0	1	—	—	3.5:1	450:1

### Two Product Dispensers

AirGap Eductor	E-Gap Eductor	1 GPM	3.5 GPM	Approximate Dilution Range			
				1 GPM Min.	1 GPM Max.	3.5 GPM Min.	3.5 GPM Max.
3941AG	39411	2	0	2.5:1	128:1	—	—
3944AG	39441	0	2	—	—	3.5:1	450:1
3946AG	39461	1	1	2.5:1	128:1	3.5:1	450:1

\* Leaner dilutions possible – Contact customer service for information.

### Three Product Dispensers

AirGap Eductor	E-Gap Eductor	1 GPM	3.5 GPM	Approximate Dilution Range			
				1 GPM Min.	1 GPM Max.	3.5 GPM Min.	3.5 GPM Max.
3950AG	39501	3	0	2.5:1	128:1	—	—
3953AG	39531	0	3	—	—	3.5:1	450:1
3956AG	39561	1	2	2.5:1	128:1	3.5:1	450:1
3958AG	39581	2	1	2.5:1	128:1	3.5:1	450:1

### Select Dispenser

	AirGap Eductor	E-Gap Eductor	1 GPM	3.5 GPM	Approximate Dilution Range			
					1 GPM Min.	1 GPM Max.	3.5 GPM Min.	3.5 GPM Max.
One Product	3971AG	39711	0	1	—	—	3.5:1	450:1
Four Dilutions	3972AG	39721	1	0	2.5:1	128:1	—	—
Four Products	3974AG	39741	0	1			3.5:1	450:1
	3975AG	39751	1	0	2.5:1	128:1		
Five Products	3976AG	39761	1	1	2.5:1	128:1	3.5:1	450:1

\* Leaner dilutions possible – Contact customer service for information. **Note:** Find accessories at the back of the catalog.



# QDV

## Overview

The patented line of QDV dispensers offer a unique way to dispense a wide variety of automatically diluted solutions into spray bottles, buckets and other containers. These systems provide dilution control for multiple products, at multiple flow rates, while eliminating the possibility of chemical carryover. The QDV system uses a unique diverter valve technology to channel incoming water to the proper eductor, which meters the appropriate amount of chemical into the water stream.

## Features

- Eliminates chemical carryover between products
- Low cost dispensing, using fewer components to deliver multiple product dilutions and flow rates
- Combination of low and high flow rates, using separate eductors
- Select knob easily identifies product being dispensed to avoid errors
- Easy to maintain and repair
- Can be used with your own proprietary chemical connection fittings and is easily customizable
- Ability to use bottle activation, remote filling nozzle and drip trays to customize for your needs

### Perfect For:

- Applications where space is a premium
- Applications where chemical carryover cannot be permitted



QDV Series is available in the following configurations:

- Four low flow products
- Three low flow products, one high flow product
- Two low flow products, two high flow products

In addition, the following options are available:

- Bottle activation: No more pressing a button for filling a spray bottle – inserting the bottle activates the unit for easy filling
- Remote filling nozzle: For filling buckets and auto scrubbers, this feature allows you to activate the unit at hose end – you don't need to bring the bucket to the unit
- Drip tray: A drip tray can be connected to the unit to catch drips, thereby decreasing the chance of slip/fall accidents near the unit

### Models & Specifications

Model #	Number of Eductors		Button Activation	Remote Fill Nozzle	Button Activation	Remote Fill Nozzle
	Low	High				
8440	4	0	√			
8441	4	0			√	
8442	4	0	√			√
8443	4	0			√	√
8420	2	2	√			
8422	2	2	√			
8423	2	2		√	√	
8424	2	2	√		√	√
8425	2	2		√	√	√
8428	2	2	√		√	
8430	3	1	√			
8432	3	1	√			√
8433	3	1		√	√	
8434	3	1	√		√	√
8435	3	1			√	√
8438	3	1	√		√	

**Note:** Find accessories at the back of the catalog.



# Streamline

## Overview

Streamline dispensers in stainless steel cabinets are the industry's preferred equipment for dispensing a wide variety of automatically diluted solutions into spray bottles, buckets, auto scrubbers or other containers at the touch of a button.

Solutions dispensed through the Streamline Series are automatically diluted to the proportion called for by the concentrate manufacturer.

## Features

- Better chemical performance – consistent correct dilution
- Time and labor savings – solutions are prepared accurately with reduced preparation time
- Improved employee safety – eliminates splashing, spilling and back strain
- Eliminates manual mixing, ensuring optimal performance of diluted solution
- 1, 2, 3 and 4 button models offered for many applications
- Durable stainless steel cabinet
- Expandable and customized installation available
- Environmentally friendly



### Perfect For:

- Industrial applications
- Food processing





### One Product Dispensers

AirGap Educator	E-Gap Educator	Std. Educator	1 GPM	3.5 GPM	Approximate Dilution Range	
					1 GPM Min./Max.*	3.5 GPM Min./Max.*
832AG-2	8321	832-2	1	0	3:1/128:1	—
835AG-2	8351	835-2	0	1	—	3.5:1/350:1

### Two Product Dispensers

AirGap Educator	E-Gap Educator	Std. Educator	1 GPM	3.5 GPM	Approximate Dilution Range	
					1 GPM Min./Max.*	3.5 GPM Min./Max.*
842AG-2	8421	842-2	2	0	3:1/128:1	—
845AG-2	8451	845-2	0	2	—	3.5:1/350:1
847AG-2	8471	847-2	1	1	3:1/128:1	3.5:1/350:1

### Three Product Dispensers

AirGap Educator	E-Gap Educator	Std. Educator	1 GPM	3.5 GPM	Approximate Dilution Range	
					1 GPM Min./Max.*	3.5 GPM Min./Max.*
852AG-2	8521	852-2	3	0	3:1/128:1	—
855AG-2	8551	855-2	0	3	—	3.5:1/350:1
857AG-2	8571	857-2	1	2	3:1/128:1	3.5:1/350:1
859AG-2	8591	859-2	2	1	3:1/128:1	3.5:1/350:1

### Four Product Dispensers

AirGap Educator	E-Gap Educator	Std. Educator	1 GPM	3.5 GPM	Approximate Dilution Range	
					1 GPM Min./Max.*	3.5 GPM Min./Max.*
861AG-2	8611	861-2	4	0	3:1/128:1	—
862AG-2	8621	862-2	1	3	3:1/128:1	3.5:1/350:1
863AG-2	8631	863-2	2	2	3:1/128:1	3.5:1/350:1
868AG-2	8681	868-2	3	1	3:1/128:1	3.5:1/350:1
869AG-2	8691	869-2	0	4	—	3.5:1/350:1

\* Leaner dilutions possible – Contact Customer Service for information. **Note:** Find accessories at the back of the catalog.



# Satellite

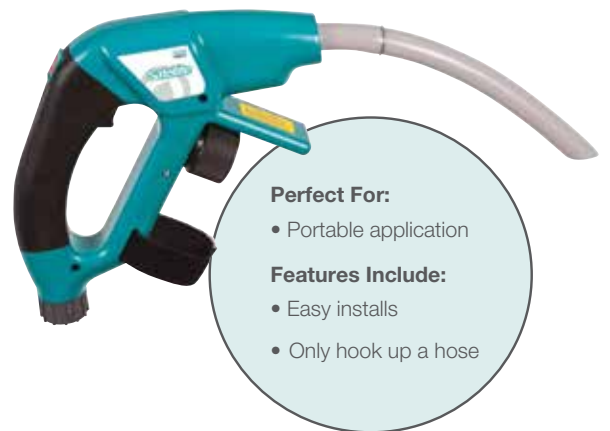
## Overview

The Satellite mobile dispensing system offers a economical, portable means of accurately diluting concentrated cleaning products for use in mop buckets, sinks, auto scrubbers, tanks and other containers.

- Mobile: Take it anywhere! You don't need to attach it to a wall or buy a cart - it goes anywhere you can find water and carry your chemical container
- Adjustable product connection allows use with both F-style and round containers: 1/2 gallon or gallon, 2 liter or 4 liter, F-style or round - the Satellite adjusts to virtually any bottle size
- Fits virtually any cap: The Satellite comes with a 38 mm cap connection, the standard in the industry. If you have a special size cap - send it to us and we'll assemble a model for you.

All Satellite mobile dispensing systems include:

- Hydro's E-Gap eductors, which provide backflow protection through use of an elastomeric sleeve.



**Perfect For:**

- Portable application

**Features Include:**

- Easy installs
- Only hook up a hose



## Features

- Handy On/Off trigger: Easy to operate with one hand
- Convenient locking button: Activate the Satellite with the On/Off trigger, then lock it in the “On” position - all with one hand!
- Overmolded handle: For safe, sure gripping
- Built-in hanger: Allows you to quickly and easily attach the Satellite to your bucket or scrubber.
- Adjustable Velcro strap for container stability: Allows you to secure either an F-style or round bottle to the Satellite for better balance.
- Multiple dilution rates: Pick from 14 different dilution rates using the metering tips included with the Satellite. (Additional tips available)



## Models & Specifications

Model #	Description	Flow Rate (GPM)	Approximate Dilution Range	
			Min.	Max.
5843	Initial container position set-up for F-style containers	3.5	10:1	300:1
5844	Initial container position set-up for round containers	3.5	10:1	300:1
5845	Satellite “F” style, rite-connect	3.5	10:1	300:1
5846	Satellite gallon, rite-connect	3.5	10:1	300:1
5848	Satellite gallon, SMP feed	3.5	10:1	300:1

**Note:** Find accessories at the back of the catalog.



# SinkMaster

## Overview

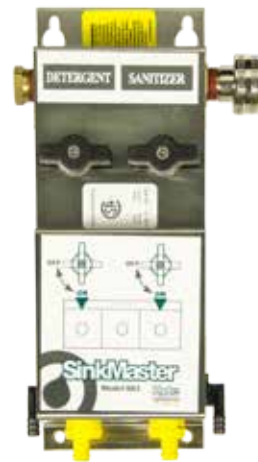
SinkMaster dispensers meet the need for filling large sinks with detergent and/or sanitizer in food service applications.

Hydro's SinkMaster allows you to conveniently fill large sinks with properly diluted solutions of detergent and/or sanitizer regardless of the size of the sink or how much solution is dispensed. No more guesswork on how much detergent or sanitizer to add, or worry about the training of new employees due to the high turnover in food service.

- Available in one or two product versions
- Time and labor savings – ball valve operations allows use without holding or locking a button
- Time and labor savings – solutions are prepared accurately with reduced preparation time
- Includes patented AccuPro Pressure Regulation Technology: No more fluctuating dilution rates as water pressure varies - with the new AccuPro technology, your dilution rate is always consistent, across a wide range of pressures

**Perfect For:**

- 3 compartment sink
- Manual dishwashing





## Features

- Label graphics make the unit easy to use
- Ultra-lean metering tip is included for today's super concentrated sanitizers
- Rugged stainless steel construction is hygienic and consistent with other food service equipment
- Improved employee safety – eliminates splashing, spilling and back strain
- Now includes AccuPro Technology to keep dilutions accurate even with water pressure fluctuation

**Also available  
as a high flow  
5 GPM unit.**

### One Product Dispensers

Model #	Flow Rate (GPM)	Eductor	Min.	Max.	Products Dispensed
886	3.5	E-Gap	3.5:1	460:1	1
886AG	3.5	AirGap	3.5:1	460:1	1

### Two Product Dispensers

Model #	Flow Rate (GPM)	Eductor	Min.	Max.	Products Dispensed
883	3.5	AirGap	3.5:1	460:1	2
8831	3.5	E-Gap	3.5:1	460:1	2

**Note:** Find accessories at the back of the catalog.



# MultiDose

## Overview

The MultiDose is a unique hand pump designed to deliver accurate doses of concentrated chemicals into sinks, bottles, buckets and other containers. Its attractive appearance makes it especially suited for areas that might be seen by the public.

The MultiDose does not require a water line connection – it dispenses concentrated chemical directly into the desired container. This makes it exceptionally valuable in areas of low water pressure or in locales where water line connections are not available.

## Features

- Variable dosage (5-30 ml per stroke), selected at time of installation, meets almost all product needs
- Quick recovery, even with thick products
- Hinged discharge spout resists breakage from contact with equipment, pots and pans, etc.
- Eliminates regulatory concerns



### Perfect For:

- Manual dosing
- Places where water connections are not easy
- Where backflow regulations are a problem

## Models & Specifications

Model #	Description	Dosage Range
621	Bottle fill	5-30 ml. (5 ml. increments)
623	Sink fill	5-30 ml. (5 ml. increments)
624	Bucket fill	5-30 ml. (5 ml. increments)

**Note:** Find accessories at the back of the catalog.



# HydroFlo

## Overview

The HydroFlo metal faucet proportioner uses the water stream from a faucet to deliver diluted cleaning solution for manual warewashing at the touch of a button.

## Features

- Nickel-plated brass body stands up to the abuse from contact with heavy pots and pans
- Molded eductor reduces the problems of chemical attack
- No need to hold the button while the unit is operating. Simply push the button, and diluted solution will be dispensed as long as the water flow stays on. Once the water is turned off the button pops out, and you have access to fresh water again



## Models & Specifications

Model #	Description	Approximate Dilution Range	
		Min.	Max.
630	Metal faucet proportioner, female aerator threads	9:1	512:1

**Note:** Find accessories at the back of the catalog.



# HydroPump

## Overview

The HydroPump is a uniquely designed push pump used to dispense cleaning chemicals into sinks, buckets or any other cleaning receptacle. Used wherever dispensing of products is desired, the HydroPump allows the operator to control the amount of product yielded.

The HydroPump can be used in any kitchen, janitor's closet or laundry facility. By pushing the pump once, the desired chemical is effectively and efficiently directed into the appropriate container or sink compartment.

## Features

- Resistant to most chemicals, including chlorine, so you won't need to stock two models
- Field-adjustable to deliver 1/2, 3/4 or 1 oz. per push
- Recovers quickly to maintain accuracy if multiple doses are required
- Product can be stored up to one foot above the pump for use in confined spaces



### Perfect For:

- Sink applications
- Manual dosing
- Places where water connections are not easy
- Where backflow regulations are a problem

## Models & Specifications

Model	Description
616	HydroPump with directional, no-drip discharge spout
617	HydroPump with PVC discharge tubing
10083222	Adapter plate

**Note:** Find accessories at the back of the catalog.



# AutoDose

## Overview

Utilizing the flexible programming capabilities of the AutoDose line of dispensers allows the user to dose drains, cooling towers, boilers, lubrication systems or other areas at the appropriate times. An easily programmed timer turns the pump on and off to ensure the regular dosing of chemicals.

## Features

- Corrosion resistant cabinet fitted to pail or wall for demanding environments
- Easy to program timer with pin lockout for security
- During normal operation, the timer runs on the same power source as the pump, simplifying system maintenance (only one set of batteries to replace)
- Internal backup battery in timer maintains program even when main power source is disconnected or inoperative
- Automatic battery-life monitoring technology ensures dosing accuracy throughout life of battery
- No tools required for maintenance of pump assembly
- Low battery indicator
- Choice of days, time (am or pm) and dose amounts (0.5 to 30 oz. increments)
- Up to 24 dosing periods per day
- Capability to dose every day, weekdays or weekends

**Perfect For:**  
• Drain treatment with enzymes



## Models & Specifications

Model	Description
1170	Pail mount, battery operated (D-size)*
1180	Wall mount, battery operated (D-size)*
1190	Wall mount, AC powered

\* Batteries required to run the units are not included. Models run on eight D-size batteries (alkaline batteries suggested).



# HydroMaster

## Overview

HydroMaster drum or wall mounted proportioners automatically mix liquid cleaning and sanitizing concentrates with water and dispense the diluted solution into any container.

HydroMasters use water power, not electricity, so concentrates don't have to be located near outlets, just within reach of a water source.

## Features

- High quality, chemically resistant materials
- Non-electric
- Compact, easy to store

### Perfect For:

- Industrial applications
- Coolant fluids
- Drum dispensing



## Models & Specifications

Model #	Description	Flow Rate (GPM)	# of Products	Approximate Dilution Range	
				Min.	Max.
204	Wall mounted	4.8	1	4.5:1	400:1
206	Wall/drum mounted	4.8	1	4.5:1	400:1
208	High concentration	2.5	1	1:1	110:1
216	Wall/drum mounted	9.8	1	5:1	1024:1
220	Wall/drum mounted	16.8	1	8:1	1136:1

**Note:** Find accessories at the back of the catalog.





# HydroChem

## Overview

HydroChem dispensers automatically dilute and dispense concentrated cleaning products in a foaming and/or spraying mode.

## Features

- Designed for both clean/rinse (one product) and clean/sanitize (two product) operations
- On/off can be controlled at hose end, wherever the operator may be, using accessory tools
- Provides a thick, rich foam for more effective cleaning
- High rinse flow capacity helps to rinse quickly and prevent residue
- Components that contact chemicals are designed for chemical and corrosion resistance

**Perfect For:**

- Sanitizing and foam cleaning
- Supermarket perimeter shops



## Models & Specifications

Model #	# of Products	Eductor Flow Rate	Rinse Flow Rate (GPM)	Approximate Dilution Range	
				Min.	Max.
918	1	3.5	5.0	10:1	512:1
919	2	3.5	5.0	10:1	512:1

\* Leaner dilutions possible – Contact Customer Service for information. **Note:** Find accessories at the back of the catalog.



# FoamMaster

## Overview

FoamMaster power cleaning systems automatically dilute concentrated cleaning products with water, and use compressed air to generate a thick, rich, clinging foam.

There's no more effective or efficient method than foam cleaning. Foam cleaning allows the cleaning solution to remain in contact with the soil load for an extended time period, while allowing you to clean hard-to-reach areas not always accessible by standard cleaning methods. It also avoids the damage done to walls and equipment by high pressure equipment.

Hydro Systems offers many ancillary products that can further enhance the performance of your FoamMaster. We can configure the perfect cleaning system for your most demanding applications.

### Perfect For:

- Heavy-duty foam cleaning
- Industrial applications
- Food processing



Model 899



Model 865

## Features

- Designed for both clean/rinse (one product) and clean/sanitize (two product) operations
- On/off can be controlled at hose end, wherever the operator may be, using accessory tools
- Provides a thick, rich foam for more effective cleaning
- High rinse flow capacity helps to rinse quickly and prevent residue
- Can throw a thick, clinging foam up to 25 ft.



Model 890C  
shown with  
optional cart

### Model 897, 898 & 899 (wall mounted)

- Air and water flow can be controlled to deliver the foam thickness you need
- Built-in check valve prevents compressed air from forcing its way into the water line, allowing you to increase air flow for improved cleaning
- Rinse feature allows you to rinse the area after cleaning without an additional hose
- Comes complete with 25 ft. (8 meters) heavy duty discharge hose and brass foam/rinse nozzle with on/off valve
- Durable, stainless steel cabinet
- Model 899 includes expanded mobility to inject two different chemicals

### Model 865 (drum mounted)

- Provides excellent foam quality at an economical price
- Separate hose required for rinsing process
- Includes PVC discharge hose tubing
- Can be installed on small or large bung of drum
- Factory installed check valve prevents compressed air from forcing its way into the water line

## Model & Specifications

Model #	Description
865	FoamMaster, drum mount
897	FoamMaster, single product – wall mount (standard) or cart mount* (optional) 1.2 GPM
898	FoamMaster, single product – wall mount (standard) or cart mount* (optional) 2.4 GPM
899	FoamMaster, two product – wall mount (standard) or cart mount (optional) 1.2 GPM

**Note:** Find accessories at the back of the catalog.



# WorldChem

## Overview

The WorldChem cleaning and sanitation system automatically dilutes and dispenses concentrated cleaning products in a foaming and/or spraying mode. Models for dispensing one or two products are available, both providing full volume rinse.



### Perfect For:

- Sanitizing and foam cleaning
- Supermarket perimeter shops

## Features

- Patented selector valve eliminates need for multiple ball valves and simplifies operation
- Specially designed eductors require less water to operate, delivering better performance against the back pressure of long discharge hoses and spray nozzles
- 4.5 GPM rinse function provides full flow rinse for quick, effective rinsing
- Integrated hose rack eliminates need for separate hose hanger
- Optional hose end nozzles provides multiple foaming and spraying patterns

## Models & Specifications

Model #	# of Products	Eductor Flow Rate	Rinse Flow Rate	Approximate Dilution Range	
				Min.	Max.
958	1	2.5 GPM	4.5 GPM	8:1	380:1
959	2	2.5 GPM	4.5 GPM	8:1	380:1

\* Leaner dilutions possible – Contact Customer Service for information. **Note:** Find accessories at the back of the catalog.





# HydroFoamer HydroSprayer

## Overview

The HydroFoamer and HydroSprayer offer easy, automatic dilution with convenient control of where and how the solution is applied. To rinse, the concentrate container is disconnected using an easy-to-operate quick coupler, designed to allow either a full width spray or powerful jet stream while rinsing. This range of control helps personnel apply the solution where it's wanted. Handles on larger containers increase the operator's control over the application.

## Features

- Non-electric, no installation required – just fill the concentrate container and connect the dispenser to a water source



### Perfect For:

- Food processing plants
- Animal care/research facilities
- Penal institutions (shower areas)
- Health care and educational facilities
- Service stations

### HydroFoamer Model & Specifications

Model #	Capacity	Approximate Dilution Range	
		Min.	Max.*
481	96 ounces (2.8 liters)	12:1	128:1
483	48 ounces (1.4 liters)	12:1	128:1

The HydroFoamer's unique injection concept mixes the proper amount of concentrate with both air and water to produce a thick, rich foam for longer soak time. \* Leaner dilutions available – contact customer service for information.

### HydroSprayer Model & Specifications

Model #	Capacity	Approximate Dilution Range	
		Min.	Max.*
381	96 ounces (2.8 liters)	16:1	128:1
383	48 ounces (1.4 liters)	16:1	128:1

HydroSprayers produce a fine mist spray suitable for application of no-rinse sanitizers or products used to cover relatively large areas. \* Leaner dilutions available – contact customer service for information. Note: Find accessories at the back of the catalog.



# Satellite Sprayer/Foamer

## Overview

The Satellite Sprayer/Foamer delivers the economy and flexibility of the Satellite series in a versatile and convenient foaming, spraying and rinsing system.

Satellite Sprayer/Foamer's allows the user to choose either the foaming or spraying nozzles to apply a rich foam or spraying solution (e.g. sanitizer) then disengage the chemical supply for rinsing using the integrated switch-to-rinse toggle. Easily select either a wide-angle spraying pattern or powerful jet-stream simply by rotating the rinse pattern selector.

## Features

- Unbeatable versatility, choose from either the foaming or spraying nozzles
- Handy on/off trigger: Easy to operate with one hand
- Convenient locking button: Activate the Satellite with the on/off trigger, then lock it in the "on" position – all with one hand

### Perfect For:

- Portable applications
- Health care and educational facilities
- Penal institutions (shower areas)
- Animal care/ research facilities



Mobile: Take it anywhere! You don't need to attach it to a wall or buy a cart – it goes anywhere you can find water and carry your chemical container.

- Overmolded handle: For safe, sure gripping
- Adjustable Velcro strap for container stability: Allows you to secure either an F-style or round bottle to the Satellite for better balance
- Multiple dilution rates: Pick from 14 different dilution rates using the metering tips included with the Satellite. (Additional tips available)

## Model & Specifications

Model #	Description	Flow Rate (GPM)	Approximate Dilution Range	
			Min.	Max.
5823	Initial container position set-up for F-style containers	2.0	7:1	280:1
5824	Initial container position set-up for round containers	2.0	7:1	280:1

**Note:** Find accessories at the back of the catalog.



# HydroMinder

## Overview

HydroMinder has been the industry standard for liquid level maintenance for over 20 years. Keep any reservoir filled with consistently mixed solution.

When the solution level in a reservoir drops, the HydroMinder's float opens a non-electric, magnetic valve. The flow of water siphons liquid concentrate into the water stream, automatically maintaining the level of ready-to-use solution.

## Features

- HydroMinder units use water power, no electricity required
- Built with high quality, chemically resistant materials
- Economical, easy to operate and maintain
- Better chemical performance – consistent automatic dilution delivers maximum performance
- Time and labor savings – eliminates the need for manually handling, measuring and mixing concentrated chemicals
- Improved employee safety – eliminates exposure to concentrated product





### Low Volume HydroMinder

Model #	Siphon Breaker	Mounting Bracket	Flow Rate	Approximate Dilution Range	
				Min.	Max.
506	No	Yes	4.5 GPM	4:1	240:1
507	No	No	4.5 GPM	4:1	240:1
511	Yes	Yes	4.5 GPM	4:1	240:1
5111	Yes**	Yes	4.5 GPM	4:1	240:1
512	Yes	No	4.5 GPM	4:1	240:1
515	Yes	Yes	1.5 GPM	1:1	100:1
532*	Yes	Yes	2 @ 6 GPM	3:1	195:1

\* Model 532 has two independent eductors which meter two concentrates at their individually required dilution ratios, or one concentrate at two different ratios.

\*\* Backflow prevention provided by Hydro's e-gap eductor.

### Medium Volume HydroMinder

Model #	Siphon Breaker	Mounting Bracket	Flow Rate	Approximate Dilution Range	
				Min.	Max.
525	No	Yes	9 GPM	4:1	530:1
530	Yes	Yes	9 GPM	4:1	530:1
561	No	Yes	18 GPM	6.5:1	1200:1
562	Yes	Yes	18 GPM	6.5:1	1200:1

### High Volume HydroMinder

Model #	Siphon Breaker	Mounting Bracket	Flow Rate	Approximate Dilution Range	
				Min.	Max.
563	Yes	Yes	25.0 GPM	8:1	1024:1
564	No	Yes	25.0 GPM	8:1	1024:1

### HydroMinder Water Valves

Model #	Water Inlet Fittings	Mounting Bracket	Flow Rate
502	No	Yes	6.8 GPM
503	No	No	6.8 GPM
572	No	Yes	44.0 GPM
573	No	No	44.0 GPM

**Note:** All flow rates are approximate, based on water pressure of 40 PSI. Gallons per minute quoted in U.S. gallons.

HydroMinder water valves maintain tank levels of water only and do not provide any means for educting concentrate into the water stream.

Find accessories at the back of the catalog.



# SuperDos

## Overview

SuperDos operates without electricity to precisely inject liquid concentrates into a water supply line using fluid flow as the power source.

SuperDos is designed with a patented internal mixing chamber that promotes homogeneous mixing, while segregating harsh chemicals from critical internal components.

SuperDos comes in various models that easily satisfy the demands of your most challenging applications.

## Features

- Proprietary composite body for chemical compatibility and for mixing aggressive chemicals
- Built-in on/off switch (30 and 45 models only), which allows user to stop the injection — but not the system
- Separate internal mixing chamber to prevent chemical contact with motor piston — for longer life and uniform mixing
- Interchangeable lower ends with the ability to adjust ratios while in operation
- Highly-aggressive, chemical-resistant models available
- Diesel fuel-friendly models available

### Perfect For:

- Large volume applications
- Auto scrubber filling



## General Specifications

Housing	Proprietary engineered composite material
Avg. Dosing Accuracy	+/- 5%
Repeatability	+/-3%
Fluid max. temp.	100°F (38°C)
Fluid min. temp.	34°F (1°C)
Max. vertical suction of concentrate	3.6 m
Max. horizontal suction of concentrate	15 m
Self-priming	Yes
Seal material available*:	Aflas - Alkaline concentrates Viton - Acids, oils & pesticides EPDM - Alkaline concentrates Kalrez

\*Contact your representative for specific chemical information.

## Basic Installation



inline installation



dual remote injection installation



bypass installation

## Models & Specifications

Model #	Description	Flow Range		Operating Pressure		Injection Range	
		GPM	l/h	psi	bar	%	ratio
113205	SuperDos 20 2.5%	0.05 - 20	11 - 4500	5 - 100	0.34 - 6.9	0.20 - 2.5	1:500 - 1:40
113206	SuperDos 20 5%	0.05 - 20	11 - 4500	5 - 100	0.34 - 6.9	0.40 - 5	1:250 - 1:20
113207	SuperDos 20 10%	0.05 - 20	11 - 4500	5 - 65	0.34 - 6.9	2 - 10	1:50 - 1:10
113209	SuperDos 30 2.5%	0.15 - 30	34 - 6800	5 - 100	0.34 - 6.9	0.20 - 2.5	1:500 - 1:40
113210	SuperDos 30 5%	0.15 - 30	34 - 6800	5 - 100	0.34 - 6.9	0.40 - 5	1:250 - 1:20
113212	SuperDos 45 2.5%	0.25 - 45	57 - 10,000	5 - 100	0.34 - 6.9	0.20 - 2.5	1:500 - 1:40
113215	SuperDos 45 5%	0.25 - 45	57 - 10,000	5 - 80	0.34 - 6.9	0.04 - 5	1:250 - 1:20

Other versions available. Find accessories at the back of the catalog.



## Overview

The CCS is the latest evolution in the cleaning industry's search for the perfect mobile cleaning machine. It is the next-generation, mobile, compact, self-contained cleaning system designed for portable cleaning applications such as restrooms, trash areas and supermarket meat cases.

The system has all the capabilities as its sibling, the ICS, including both cleaning and sanitizing functions, and clean water rinsing, through low pressure (<100 psi) spray nozzles, but is more compact in size! The CCS fits in the same space as a mop bucket.

The CCS is great for facilities with fewer cleaning areas and limited storage space. The integrated storage space easily accommodates extra chemical, cleaning supplies or even a wet dry vac for recovery!

## Features

- Compact size – fits in small areas
- Simple design reduces maintenance costs
- Compact 8 gallon fresh water tank
- 10 ft. (3 m.) discharge hose with hanger
- Easily maneuverable: large back wheels, lockable casters
- Chemical holders for round or F-style (gallon/two

### Perfect For:

- Restrooms
- Desks & chairs
- Locker rooms, showers and wrestling mats
- Restaurants and grocery meat cases
- Docks & dumpsters (odor control)
- Cafeterias & lunchrooms
- Carpet pre-treatment
- Pool areas



Model 9900 CCS with optional accessories shown

liter) containers; (unit has option to dispense up to four chemicals)

- Storage caddy for spray bottles, paper products, etc.
- Accurate, on-demand dilution/dispensing of multi-function chemical products - e.g. hydrogen peroxide-based cleaners
- Storage holders with clips for mops, deck brush (12 in., 30 cm.) and squeegee (16 in., 41 cm.)



### Perfect For Almost Any Application

Market	Restrooms	Trash Areas	Loading Docks	Shower Rooms	Spot Cleaning
Office Buildings	√		√		√
QSR/Food Service	√	√	√		√
Retail	√	√	√		√
Schools	√	√	√	√	√
Health Clubs	√		√	√	√

### Specifications

Size:	47 cm. (w) x 105.41 cm. (h) x 64 cm. (l) 18.5 in (w) x 41.5 in. (h) x 26 in (l)
Weight:	Model 9900: Approx. 65 lbs. (29.5 kg.) empty; 130 lbs. (59 kg.) with water
Power:	Model 9900: Rechargeable battery, 12 volt DC, with on-board charger
Tank Capacity:	8 gallons (30.3 L.)
Flow Rate While Spraying:	Approx. 1/2 GPM (2 ltrs./min.)
Dilution Rates:	Approx. 4:1-64:1*
Nozzle Spray Patterns:	Fine (rinse) and coarse (spray)

\* Leaner dilutions possible – Contact Customer Service for information.

### Potential Labor Savings (Restroom Cleaning)

	Using Conventional Cleaning	Using Hydro CCS Series Cart
Number of Fixtures per Restroom	6	6
Cleaning Time per Fixture	3 min.	1 min.
Total Time for Fixture Cleaning	18 min.	6 min.
Time for Cleaning Floors, Sinks	10 min.	6 min.
Total Cleaning Time	28 min.	12 min.
Labor Cost @ \$10/hr. (\$.17/min.)	\$4.76	\$2.04
Labor Savings (per Restroom/per day)	—	\$2.72 (57%)
<b>Annual Labor Savings</b> (6 restrooms, 250 days)		<b>\$4,080</b>

Find accessories at the back of the catalog.

## Dual-Function Nozzle & Heavy-Duty Sprayer

Hydro's new dual-function nozzle and heavy-duty sprayer allow you to foam or spray any surface with ease. Constructed from extremely durable and impact-resistant polymer, this hose-end attachment will provide years of service in the harshest sanitizing environments. The dual-function nozzle allows you to choose spray or foam easily by using an intuitive switch on the side of the nozzle body. The heavy-duty sprayer is ideal for applications where foaming is not desired.



### Model & Specifications

Model #	Description
961	Heavy-duty sprayer
962	Spray foamer
960	Multi-function gun

## Foaming and Spraying Attachments

Hydro offers many hose end attachments for foaming and spraying applications. Use these to enhance the performance of the HydroChem, WorldChem or many other systems including our Volumetric units.



### Model & Specifications

Model #	Description
120	Foam wand, garden hose inlet
122	Spray nozzle, quick connect inlet
123	Ball valve, quick connect and garden hose inlet (used with #122)
134100	Spray nozzle with ball valve and garden hose inlet
130001	Foam wand, quick connect inlet
10083711	Trigger spray nozzle, quick connect outlet, garden hose inlet

### Low Level Advisor

The low level advisor uses patent-pending, conductive plastic probes and a custom designed circuit to ensure you are alerted prior to a container running empty. The remote advisor can be placed as far as 1,000 feet from the chemical location.



### Model & Specifications

Model #	Description
10095508	15" probe tube assembly
10095509	20" probe tube assembly
10095510	40" probe tube assembly
10095511	38 mm container cap
10095512	63 mm container cap
10095513	70 mm container cap
10095502	Hook-up wire (2 conductor x 6")
10095501	Jumper cable (enunciator to multi-product hub)
10095514	Enunciator with power pack
10095506	Enunciator without power pack
10095507	Multi-product hub

### Disposable Tip & Check (DTC)

Hydro's disposable tip & check (DTC) device incorporates the metering tip and check valve into one, easy-to-service module. Installed in the chemical supply line, the DTC allows immediate and easy access to replace both the metering tip and check valve assembly without removing the dispenser's front cover or the pick-up tube from the eductor barbed fitting. Intuitive in its design, the DTC employs directional arrows to demonstrate correct product flow and proper alignment of the two halves of its assembly.



### Model & Specifications

Model #	Description
10095416	Viton housing, less metering tip*
10095417	EPDM housing, less metering tip*
690014	Metering tip kit

\* DTC is also available with factory installed metering tip - contact your Hydro account representative for more info.

**Chemical Concentrate Holders**

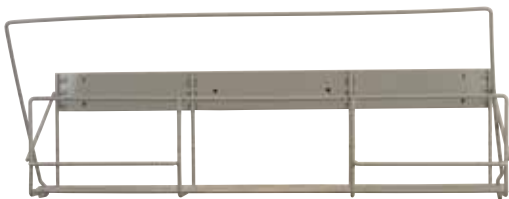
The chemical concentrate holders perfectly complement many dispensing systems.



Model shown:  
48000

**Model & Specifications**

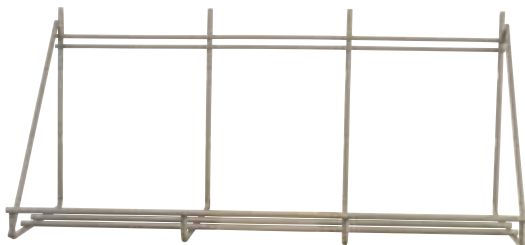
Model #	Description
48000	Fits (2) 2 ltr. or 1/2 gallon F-style containers with lock
49000	Fits (4) 1 gallon round containers with lock
49600	Fits (6) 1/2 gallon or 2 ltr. F-style containers with lock
115	Fits (3) 1 gallon round or (4) 1 gallon F-style containers with lock
116	Fits (3) 1 gallon round containers
117	Fits (1) 1 gallon round container and will mount dispenser to top. Lock bar for handle
119	Locking cage option for 115 rack
90094675	Fits (1) 1 gallon round
90095451	Fits (1) 1 gallon F-style



49600



49000



116



90094675



## Twist II Clean

The Twist II Clean filters have many unique and patented features and benefits placing them in a class of their own.

## Features

- Simple 1/4" turn operation
- Filter element flushes completely clean in less than 20 seconds
- No need to turn off water to clean (eliminates air in system)
- Rugged design installs indoors or outdoors
- Stainless steel filter element lasts for years
- Never buy filter cartridges again

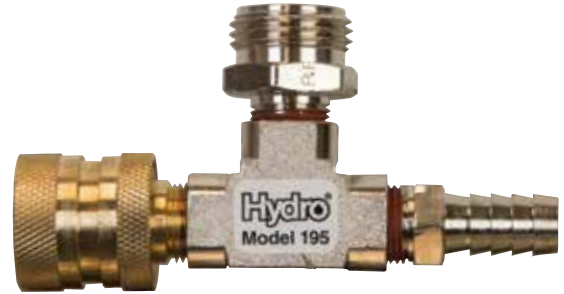


## Model & Specifications

Model #	Description	Filter Screen Size		Max. Operating Pressure		Inlet/Outlet Pipe Conn.	Purge Outlet	Total Length	Length	Width
		Mesh	Micron	psi	bar					
017004	T2C 3/4" 105 Micron NPT	140	105	100	7	3/4" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017003	T2C 3/4" 150 Micron NPT	100	150	100	7	3/4" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017002	T2C 3/4" 250 Micron NPT	60	250	100	7	3/4" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017001	T2C 3/4" 600 Micron NPT	30	600	100	7	3/4" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017008	T2C 1" 105 Micron NPT	140	105	100	7	1" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017007	T2C 1" 150 Micron NPT	100	150	100	7	1" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017006	T2C 1" 250 Micron NPT	60	250	100	7	1" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017005	T2C 1" 600 Micron NPT	30	600	100	7	1" NPT	1/2" NPT	11-3/4"	8-3/4"	6"
017011	T2C 1.5" 105 Micron NPT	140	105	100	7	1.5" NPT	3/4" NPT	15"	12"	8"
017014	T2C 1.5" 150 Micron NPT	100	150	100	7	1.5" NPT	3/4" NPT	15"	12"	8"
017013	T2C 1.5" 250 Micron NPT	60	250	100	7	1.5" NPT	3/4" NPT	15"	12"	8"
017012	T2C 1.5" 600 Micron NPT	30	600	100	7	1.5" NPT	3/4" NPT	15"	12"	8"
015760	T2C 2" 75 Micron NPT	200	75	100	7	2" Flange	3/4" NPT	24"	18"	8-1/4"
015700	T2C 2" 105 Micron NPT	140	105	100	7	2" Flange	3/4" NPT	24"	18"	8-1/4"
015710	T2C 2" 150 Micron NPT	100	150	100	7	2" Flange	3/4" NPT	24"	18"	8-1/4"
015720	T2C 2" 250 Micron NPT	60	250	100	7	2" Flange	3/4" NPT	24"	18"	8-1/4"

**Regulatory Accessories**

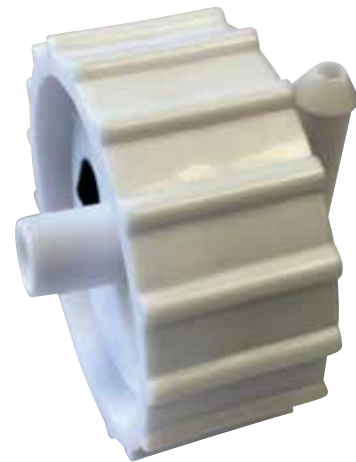
Most Hydro units are built with backflow protection that meets ASSE1055. Local regulations sometimes require additional protection and Hydro Systems offers these accessories to meet those needs.



**Model & Specifications**

Model #	Description
1951	Dual pressure bleed valve
196	Pressure bleed tee with hose
SVB 1/2	ASSE1056 rated spill resistant vacuum breaker
195HD	Pressure Bleed Tee

SVB Backflow Preventer



**Rite-Connect Components**

For those applications that require no chemical contact, Hydro Systems offers Rite-Connect inserts and caps for your chemical container size.

**Model & Specifications**

Model #	Description
10094106	Inserts for 1/2 gallon f style, qty. 500
10094109	Mating caps, straight barb, qty. 50
10094110	Inserts for 1 gallon round, qty. 500
10094114	Inserts for 1 gallon f style, qty. 500
10094182	Mating caps, 90° barb, qty. 50

### Inlet and Outlet Hoses

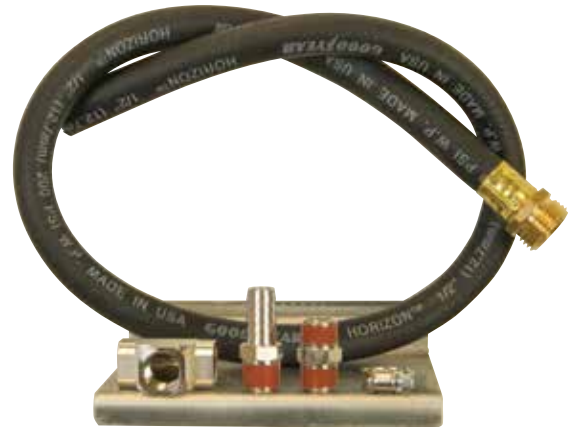
Hydro Systems offers a variety of inlet and outlet hoses designed to be used with your dispensers.



#### Model & Specifications

Model #	Description
131	1/2" x 25' black
132	1/2" x 25' white
133	3/4" x 25' red
134	3/4" x 50' red
138	3/8" x 6' black
139	3/4" x 6' red
185	1/2" x 8' black
186	1/2" x 10' black

199



### Inlet and Outlet Kits

Everything needed for a complete installation is contained in these Hydro Systems kits.

#### Model & Specifications

Model #	Description
127	Includes: hose (#138), hose (#131), nozzle (#10083711) and foam wand (#130001)
145	Includes: hose (#139), hose (#134), nozzle (#10083711) and foam wand (#130001)
148	Includes: hose (#138), hose (#131) and nozzle (#960)
149	Includes: hose (#139), hose (#134) and nozzle (#960)
199	Kit to adapt to overhead rinse arm
5820	Water source connector
5830	Water source connector
5840	Water source connector

### **North America**

3798 Round Bottom Road  
Cincinnati, Ohio 45244

**Phone** 513.271.8800

**Toll Free** 800.543.7184

**Fax** 513.271.0160

**Web** [hydrosystemsco.com](http://hydrosystemsco.com)

### **Europe**

Unit 3 The Sterling Centre  
Eastern Road, Bracknell  
Berkshire, RG12 2PW

**Phone** +44 (0)1344 488880

**Fax** +44 (0)1344 488879

**Web** [hydrosystemseurope.com](http://hydrosystemseurope.com)

### **South America**

Av. Prefeito Luiz Latorre,  
9.401, 172  
Distrito Industrial, Jundiai SP  
CEP: 13209-430  
Brasil

**Phone** +55 12 3201 7707

**Web** [hydrosystems.com.br](http://hydrosystems.com.br)

### **Australia**

Unit A, 1 Kellham Place  
Glendenning, NSW 2761  
Australia

**Phone** +612 9625 8122

**Fax** +612 9625 8177

### **Asia Pacific**

No. 1555, Cenglin Road  
Pudong District, Shanghai  
201306, China

**Phone** +86 21 61871037

**Toll Free** 400 600 4026

**Fax** +86 21 68727775

**Web** [hydrosystemschina.com](http://hydrosystemschina.com)



[hydrosystemsco.com](http://hydrosystemsco.com)

