

Hydro[®]
systems

A DOVER COMPANY

makers of the
HydroMinder

Vehicle Care

About Us



A broad choice - whatever the application

For 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.

Vehicle Care Catalog



Creating highly satisfied customers that return on a regular basis starts and ends with a clean vehicle and a positive experience every time they visit your car wash. Whether it's for an individual vehicle or a fleet owner, their expectations are high. Hydro Systems chemical proportioners and injectors offer the widest flow and injection rates in the industry. You can be sure that your employees and equipment have the right tools to efficiently deliver the chemicals to produce the "clean" your customers demand.

Hydro Systems has five manufacturing locations serving every region of the world. No more waiting for units and parts to be manufactured and shipped from overseas. We have designated product development engineers, customer service representatives, field technicians and manufacturing facilities in North America, South America, Asia, Europe and Australia.

Our rugged, chemically resistant, accurate proportioners and injectors are ready when you need them. Whether its delivering chemicals to your tunnel or providing your employees accurately dispensed spray bottles for detailing you can count on Hydro System's chemical management solutions ...they are built to last!

Applications:

- Pre-Soaks
- Triple Foam
- Detergents
- Polishes
- Waxes
- Detailing
- Laundry

HydroMinder

Overview

HydroMinder has become the industry standard for liquid level maintenance for over 20 years in the car wash industry. Keep any reservoir filled with consistently mixed solution without pouring, stirring or downtime. 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. When the tank reaches the preset fill level, the HydroMinder shuts off.

Features

- Water powered; no electricity required
- Built with high quality, chemically resistant materials
- Economical, easy to operate and maintain
- Dilution ratios available from 1:1 to more than 1,000:1

Perfect For:

- Filling totes of soap, degreaser, interior protectant.



Low Volume HydroMinder

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

* 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	Approximate Dilution Range		
			Max.	Min.	Flow Rate
525	No	Yes	530:1	4:1	9 GPM
530	Yes	Yes	530:1	4:1	9 GPM
561	No	Yes	1200:1	6.5:1	18 GPM
562	Yes	Yes	1200:1	6.5:1	18 GPM

High Volume HydroMinder

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

HydroMinder Water Valve

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.

Options and Accessories

Model	Description
138	Water inlet hose, 3/8" x 6', black
139	Water inlet hose, 3/4" x 6', red
151	Dual concentrate retrofit kit; allows two concentrates to be proportioned using one HydroMinder via ball valve selection (both concentrates cannot be proportioned at the same time)
185	Water inlet hose, 1/2" x 8', black
186	Water inlet hose, 1/2" x 10', black

AquaBlend

Overview

AquaBlend pumps are water-powered, non-electric, proportional chemical injectors for the carwash industry that allow you to adjust the dilution ratio depending on the chemicals being used.

AquaBlends are easy to install, easy to maintain and eliminate the need for stock tanks and air pumps.

Features

- Unique, tool-free maintenance
- Quick and easy installation
- Self-priming
- Compensates for changes in pressure and flow
- No need for day tanks and air pumps
- Turnkey panels available
- Adjust while unit is operating





General Specifications

Housing	Acetal
Average Dosing Accuracy	+/- 5% of Ratio
Repeatability	+/- 3% of Ratio
Fluid Maximum Temperature	100° F (38° C)
Fluid Minimum Temperature	34° F (1° C)
Max. Vertical Suction of Concentrate	12 ft (3.6 m)
Seal Material Available*	PVDF** Viton

* Contact your representative for specific chemical information.

** Call customer service for more information.

Models & Specifications

Model #	Part #		Flow Rate	Injection Rate
	NPT	BSP		
128:1 Fixed	117849WSP	117859WSP	0.04 - 11 gpm	128:1
100:1 Fixed	117844WSP	117854WSP	0.04 - 11 gpm	100:1
0.2 - 2%	117947WSP	117957WSP	0.04 - 11 gpm	500:1 - 50:1
0.78 - 5%	117948WSP	117958WSP	0.04 - 11 gpm	128:1 - 20:1

* Leaner dilutions available — contact Hydro Systems for more information: **800.543.7184**.

AccuPro

Overview

The AccuPro® line of proportioners delivers dilution accuracy regardless of fluctuations in water pressure.

Patented 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

- Guarantees proper chemical performance
- Labor savings
- Reduced liability due to “lean” dilutions
- Consistent appearance level
- Non-electric, sustainable unit

Perfect For:

- Window cleaner
- Tire shine product
- Air freshener
- Degreaser
- Interior protectant





One Product Dispensers

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

Two Product Dispensers

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

Three Product Dispensers

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

Select Dispenser

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

FoamMaster

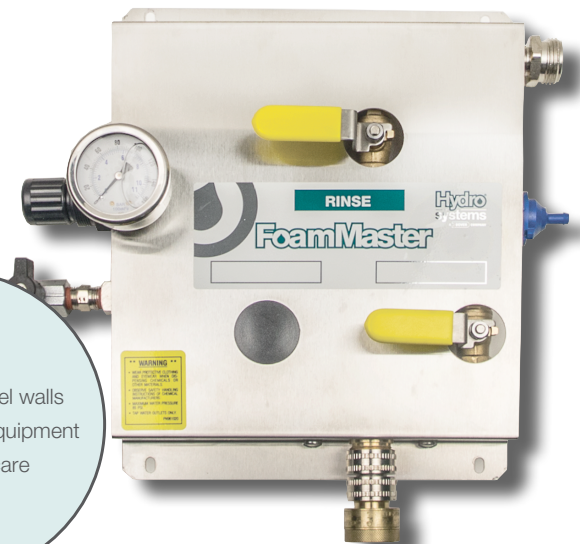
Overview

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 and 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.

Perfect For:

- Cleaning tunnel walls
- All carwash equipment
- Fleet vehicle care



Model 897 & 898

Models & 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



Features

- Chemical-contact components are made of chemical resistant materials, allowing use with most aggressive cleaners
- 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 meter) heavy duty discharge hose and brass foam/rinse nozzle with on/off valve
- Stainless steel cabinet
- More durable for industrial applications
- Reinforced EPDM discharge hose
- Latest technology ensures high-quality foam



Model 890C
Shown with
optional cart

HydroFoamer

Overview

The HydroFoamer offers easy automatic dilution with convenient control of where and how the solution is applied. On and off functions are at your fingertips, trigger controlled on the spray nozzle. 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

- Built with Hydro's proven, reliable components – durability proven by years of use in the field
- Compact, easy to store
- Increased productivity of employees
- Enhanced safety (reduced exposure to concentrates)
- Non-electric, no installation required – just fill the concentrate container and connect the dispenser to a water source
- Maximum cleaning product performance



Model 481

Model 483

Perfect For:

- Spraying off cars
- Sanitizing brushes & mitts

Models & Specifications

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

* Leaner dilutions available — contact Hydro Systems for more information: **800.543.7184**.

Low Level Advisor

Overview

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.



Models & Specifications

Part #	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

Sprite TL-400

Overview

The **Sprite TL-400** is a two product dispenser designed for top load laundry or small OPL type installations. It offers password protected programming, up to four different chemical formulas, four different modes of operation and a pump output of 6 oz. per minute. The **Sprite TL-400** comes completely pre-wired so installation is quick and easy.

Features

- Three modes of operation
- Stopwatch style programming
- Spring loaded spinners
- Built-in load counter
- Pre-wired
- Quick change squeeze tubes & captive thumb screws on pump covers
- Password protected

Perfect For:

- Rags and towels
- Interior cloths
- Uniforms



Models & Specifications

Model #	Description
00-07000-410	Sprite TL with one pump
00-07000-420	Sprite TL with two pumps
00-07878-410	Sprite TL 1 x 6 oz./min. pump with 115V power cord
00-07898-420	Sprite TL 2 x 6 oz./min. pump with 115V power cord

* Leaner dilutions available — contact Hydro Systems for more information: **800.543.7184**.

Taurus

Overview

The **Taurus** CP-300 is a fully programmable single pump dispenser designed for use on top load laundry applications as well as any application requiring a single product to be dosed with extreme accuracy.

The **Taurus** CP-300 utilizes Hydro's proven Sprite motor gearbox and squeeze-tube change is easily accomplished with no tools. A universal power supply makes it the right choice regardless of where in the world you are located.

The **Taurus** CP-300 offers a programmable delay of up to 30 minutes in 5 minute increments, a max run time of 20 minutes and programmable lockout period of up to 30 minutes in 5 minute increments. Its programming remote also serves as the User Interface. Once programmed, a simple press of the button begins the dispensing cycle.

The **Taurus** CP-300 can be programmed to allow for user priming if desired. Its lockout is protected against power interruptions; the lockout period resumes where it left off once power is restored.



Perfect For:

- Rags and towels
- Interior cloths
- Uniforms

Models & Specifications

Model #	Description
13-08602-06	Pump cover, teal (screw included)
13-06396-00	Pump spinner
13-06399-10	Pump tube, standard, 1/4" detergent EPDM, 10 pk.
13-06395-10	Pump tube, 1/4" Rns, EPDM, 10 pk.
13-06395-30	Pump tube, 1/8" Rns, EPDM, 10 pk.
13-08721-01	Pump motor kit (det.)
10096229	Wall mounted transformer, 24 VDC, 1A
13-08602-00	Taurus CP-300 remote (black)



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