

# Hydro Systems Product Catalog

Dispensing Solutions for Laundry Applications



Where Innovation Flows



Clean with Confidence



For over 50 years, Hydro Systems has been a global provider of innovative chemical dispensing and dilution solutions that enhance safety and accuracy, resulting in a cleaner world. Our products and software solutions are simple to use and reliably improve our customers' bottom line.

Serving multiple dosing and dispensing applications within commercial cleaning, laundry, warewash, food service, industrial, irrigation, horticulture and animal health, we build long-lasting relationships with customers based on integrity and trust. 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 Germany, Spain, and China. No matter where you are, Hydro products are always within your reach.



## Why Choose Hydro?

When deciding which dispensers to purchase there's more to consider than just the up-front price. Every laundry is unique, but customer's time is always money. How long will it take to install the system? What is the ongoing maintenance/service cost? Does the dispenser provide automatic reporting or does it require frequent visits to site? When purchasing one of Hydro's laundry dispensers you can rest assured that the system will be accurate, reliable, and easy to use.

- Hydro offers both one-to-one dispensers and central dosing systems to optimize the install for the exact needs of the laundry.
- All laundry systems come pre-wired and tested from the factory to reduce installation time.
- Systems utilize venturi-technology and flowmeters to more accurately deliver products, reducing rewash.
- Reporting through Hydro Connect enhances uptime and reduces costly nuisance visits to site.



## Laundry Applications

Hydro Systems is a world leader in delivering chemical dispensing and dosing solutions for laundry including equipment, software and services. Our reliable, easy-to-install dispensers meet the needs of laundries of any size ranging from small top-load machines to large commercial tunnel washers.

### On-Premise Laundry (OPL)

- Hospitality
- Healthcare
- Athletic Complexes
- Salons and Spas
- Retail
- Correctional Facilities

### Commercial/Industrial Laundry

- Linen Supply
- Commercial/Industrial



On Premise



Athletic



Hospitals



Correctional Facilities



Commercial/Industrial



## One-to-One Individual Dispensers

Hydro Systems offers a range of one-to-one laundry chemical dispensers, meaning that each washer extractor has its own dispenser and controller. Many traditional On-Premise Laundries have just a few small washers, and therefore, the most cost effective solution often is to use individual dispensers over a more heavily featured central dosing system. Some end use segments that frequently use one-to-one dispensers include:

- Self-service laundries
- Gyms and fitness clubs
- Residences
- Hospitality
- Hospitals
- Long-term care homes

Hydro's premier one-to-one laundry dispensing technology is the EvoClean, which offers improved accuracy, no squeeze tube maintenance, and faster installs when compared to traditional peristaltic dispensers. EvoClean dispensers now can be paired with a full suite of accessories that includes a booster tank (EvoBoost), depletion wands, and a low level alarm.

## Sprite / Mercury TL

### Fully Programmable System for Top-Load Laundry Applications

The Sprite (2-pump) and Mercury (3-pump) TL brings modern technology together with a simple user interface for top loading laundry applications

The Sprite/Mercury TL leads the way in bringing modern technology together with simplified user interface. At last, an institutional chemical dispensing system with auto voltage sensing that allows either 115 or 220 volts to be connected to the single power input leads. Combine this with long-life, spring loaded peristaltic pumps, a new Quik-Klip mounting bracket and simplified three button programming and you have a economic system that is perfect for small on-premise laundries.



### Features and Benefits

- Splash proof enclosure
- Easy access, spring-loaded pumps
- Simple, three button programming
- Auto voltage sensing (no transformers)
- Factory pre-wired

Part Number	Description
HYD00-07878-411	SPRITE TL 1 x 6 OZ. / MIN PUMP AND 1 SOLENOID W 115V POWER CORD
HYD00-07000-420	SPRITE TL 2 PUMP TOP LOAD DISPENSER WITH SIGNAL CABLES
HYD00-07878-420	SPRITE TL 2 x 6 OZ. / MIN PUMP W 115V POWER CORD
HYD00-07660-730	MERCURY 3 x 6 OZ./ MIN PUMPS
HYD00-07878-730	MERCURY TL 3x6 OZ MIN PUMP W 115V POWER CORD.
HYD11-07710-730	MERCURY 3 x 6 OZ. / MIN PUMPS WITH INTEGRATED FLUSH

## EvoClean

### Venturi-Based Laundry Dispenser

The EvoClean is a low maintenance, venturi-based, water-powered laundry unit. It features an integrated control system that can be used for applications requiring four, six or eight products and also offers an integrated flush manifold, 'out-of-product' alarm and optional remote formula select.



#### Features and Benefits

- 4 & 6 products in a single cabinet
- 8 product dual cabinetry with integrated control
- Little to no maintenance - No peristaltic tubes, no routine maintenance, low total installed cost, no moving parts
- Water and Energy Savings
- Wide range of output - 500ml/min or 1500ml/min
- Compatible with Legacy or Connect Total Eclipse Controller for enhanced reporting through Hydro Connect
- Remote external alarm
- Auto-Formula Select eliminates errors from incorrect formula selection
- Integrated flush manifold

Model Number	Number of Products	Flow Rate	Machine Interface Included	Connected Total Eclipse Controller Included
HYDE124L35GCONM	4	Low	Yes	Yes
HYDE124H35GCONM	4	High	Yes	Yes
HYDE124L35G	4	Low	No	No
HYDE124H35G	4	High	No	No
HYDE126L35GCONM	6	Low	Yes	Yes
HYDE126H35GCONM	6	High	Yes	Yes
HYDE126L35G	6	Low	No	No
HYDE126H35G	6	High	No	No
HYDE128L35GCONM	8	Low	Yes	Yes
HYDE128H35GCONM	8	High	Yes	Yes
HYDE128L35G	8	Low	No	No
HYDE128H35G	8	High	No	No

## EvoBoost

### Powerful and Compact System to Eliminate the Challenges of Low Water Pressure

The EvoBoost, as part of Hydro's laundry solution, is equipped with a powerful and reliable diaphragm pump. Providing a flow rate of 1.6 GPM (6.1 LPM), it eliminates the complications associated with low water pressure, for up to three low flow EvoClean units, or one high flow EvoClean unit. Aesthetic and compact, the EvoBoost is designed specifically to fit, neatly, into typical OPL operations, while still being versatile enough to be paired with any venturi dispenser. The EvoBoost removes the requirement for the installation of expensive backflow prevention devices, by providing category 4 WRAS approval.



#### Features and Benefits

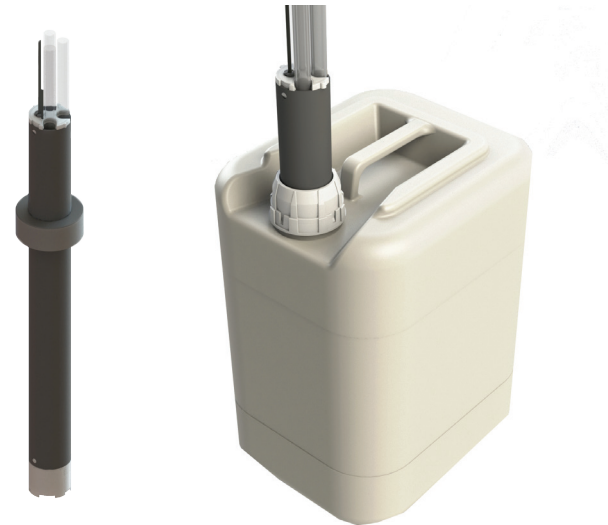
- The air gap on the water inlet of the EvoBoost provides WRAS category 4 chemical backflow prevention and is compliant with ASME A112.1.3
- The EvoBoost is designed to supply 2-3 low flow EvoClean's or 1 high flow EvoClean with 35 psi (2.5 bar) consistently
- Ensures chemical delivery will be consistent and extremely accurate, leading to predictable laundry
- Versatile and flexible to allow use with any venturi dispenser
- Clean aesthetic that complements the EvoClean family
- The EvoBoost is equipped with a powerful and reliable electric diaphragm pump in either 230VAC or 115 VAC versions with a flow rate of 6.1 LPM (1.6 GPM)

Part Number	Inlet Fitting	Outlet Fitting	Voltage	Current (A)	Appliance Class	Operating Temp.	Inlet Pressure	Outlet Pressure	Inlet Flow	Outlet Flow
HYDEVB1561115VG	3/4GH, female	3/4GH, female	115VAC	1	Class I	5-40°C (41-104°F)	min. 1 Bar (14.5 PSI) max. 6 Bar (87 PSI)	4.1 Bar (60 PSI)	6 LPM (1.6 GPM)	7.1 LPM (1.9 GPM)

## Depletion Wand

### Robust Drum Interface for Efficient Chemical Uptake

Depletion wands simplify laundry installations by allowing quick connections between a single chemical drum and up to three laundry dispensers. In addition to limiting chemical spills and increasing the efficiency of replenishing product drums, the depletion wands come equipped with a float switch that can detect and alert users to costly out-of-product conditions. This reduces the risks of poor results and rewash.



### Features and Benefits

- Simplify installs and the process of changing out empty chemical containers with a 3-way depletion wand
- Detect costly out of product conditions with a built-in low level float sensor
- Durable, reliable design using injection moulded plastic
- Maximize operator safety utilizing a spring on each tube and strain relief to prevent operator tube disconnection while in use
- Prevent unwanted chemical backflow and maintain prime with umbrella-style non-return valves on each model
- Versatile design with multiple options to support global customer needs
- Flexible to handle harsh and common laundry chemicals with 2 material grade valve options; EPDM and Perfluoroelastomer
- Full range of sizes to fit different chemical containers, including 10L, 20L, 60L & 200L. Suitable for laundries of all sizes
- Flexibility to connect to an EvoClean dispenser or standalone alarm unit

Part Number	Diameter (mm)	Length (mm)	Drum Size (L) / (G)	Valve material
HYDDW10L380380D3EPF	38	380	10 / 2.5	EP
HYDDW20L380500D3EPF	38	500	20 / 5	EP
HYDDW20L0500D3EPF	48	500	20 / 5	EP
HYDDW20L0500D3PFF	48	500	20 / 5	PF
HYDDW60L0650D3EPF	48	650	60 / 16	EP
HYDDW60L0650D3PFF	48	650	60 / 16	PF
HYDDW200L1016D3EPF	48	1016	200 / 53	EP
HYDDW200L1016D3PFF	48	1016	200 / 53	PF

## Low Level Alarm

### Intelligent 8-Channel Alarm for Detection of Product Depletion

Hydro's Low Level Alarm complements the Depletion Wand, allowing up to eight units to be connected to cover all chemicals in a typical OPL. The system minimizes costs associated with rewash by detecting the signal from the depletion wands and immediately alerting users with an audible and visual alarm. The alarm is simple to install and flexible. It can be powered directly from the EvoClean dispenser or from a wall outlet as a standalone system.



Part Number	Diameter (mm)
HYDLLA2000L8SU	LLA 2000 Series with 8 channels, Standalone, US

### Features and Benefits

- Low level detection for up to 8 chemical products
- Static LED on, indicates which chemical needs attention
- LED auto-extinguishes once chemical replaced
- Buzzer and mute button on-board
- Ability to power an external alarm or strobe that can be mounted remotely from the unit



## Central Dosing Systems

Hydro Systems also offers a range of central dosing systems. A central dosing system is a single chemical dispenser that can handle all the dosing needs to multiple washers (Multi-Washer Units) or modules in a tunnel washer (Tunnel Washer Units). Central dosing units are more heavily featured than their one-to-one counterparts, but also can present significant savings when it comes to installation, calibration, reporting, and ease of use. As laundries grow in size and complexity, the savings do as well.

All Hydro Central Dosing Systems are equipped with sensors that measure flow of water and/or chemical to ensure that all chemicals are accurately dispensed without exception. Additionally, they are compatible with Hydro Connect, Hydro's IOT platform, offering real-time reporting, remote configuration, and the ability for notifications of alarm conditions.

Depending on the size of the laundry, number of products, and number of washers, Hydro offers the below models to support client needs:

### On-Premise Laundry

- **Multi-Washer 3000 Series with EvoClean** 3 washers with 4, 6, or 8 products
- **Multi-Washer 6000 Series** 4 or 6 washers with 8 products

### Commercial/Industrial Laundry

- **Multi-Washer 10000 Series** Up to 10 washers with up to 10 products
- **Tunnel Washer 10000 Series** Standard system 5 dosing channels with 10 products

## Hydro Connect

### Cloud-Based IoT Platform

Hydro Connect is a cloud-based Internet of Things (IoT) platform that gives chemical providers and end users increased visibility into their operations, optimizes production, reduces costs and increases customer satisfaction.

Built on the Microsoft Azure platform, Hydro Connect utilizes data generated from the Central Dosing Systems, currently operating in industrial laundries worldwide. Data transmits securely between the unit and the Hydro Connect system using a cellular modem and monthly data package.

### Advantages

- **Scalable solutions across multiple cleaning environments:** Hydro Connect transmits data to the cloud in a number of ways, including cellular, WiFi or Bluetooth depending on the environment.
- **Remote configuration:** Users can make changes to their central dosing system configuration remotely from anywhere in the world with an internet connection. Previously these changes required costly site visits, and now users are reporting up to 90% savings in maintenance costs. Common changes that can be made remotely include adding a formula, changing a dosing amount and switching a unit from flow meter to time mode.
- **A proven, reliable and secure platform:** The Microsoft Azure architecture provides users with a trusted and secure platform, used by hundreds of leading companies across multiple industries for their IoT solutions.
- **Enhanced knowledge to help run your business:** Current Hydro Connect capabilities allow customers and end users to log in and view professional laundry reports in seconds. This reduces time-consuming data uploads, manipulation in Microsoft Excel and the use of a proprietary software package. The flexibility of Hydro Connect makes it a valuable tool for both tactical, day-to-day monitoring and monthly summaries to management.

### Insights

- **Alarm reporting:** Proactively view alarms to rapidly eliminate abnormal conditions that drive profit loss.
- **Production:** Eliminate the use of out-of-date paper logs to document the number of pounds or loads run in your facility.
- **Chemical usage:** Simplify and improve the accuracy of your billing procedures with metered usage reports on chemical product and formulas.
- **Cost:** Quickly access a snapshot of the chemical cost by formula to actively manage and improve unprofitable formulas or accounts.
- **Observations/recommendations:** Eliminate hours of data manipulation and analysis. For a minimal charge, a Hydro expert will review the monthly data and provide recommendations to help reduce rewash and optimize cleaning results.
- **Real-time dashboard:** View washer status, alerts and key productivity metrics in real-time to proactively pinpoint inefficiencies while reducing rewash.

## Multi-Washer 3000 Series with EvoClean

### Multi-Washer Units for On-Premise Laundry

Designed to manage chemical dispensing for on-premise laundry sites, the Multi-Washer 3000 Series with EvoClean offers cost-saving potential and cutting-edge reporting. The Multi-Washer 3000 Series with EvoClean provides reliable and accurate dosing that can support up to 3 washers and dose up to 8 products within a single system.

The Multi-Washer 3000 Series with EvoClean utilizes precise venturi-based dosing technology to accurately and repeatably deliver doses under 30 mL /1 oz and reduce water, energy, and rewash costs. Additionally, the system does not utilize squeeze tubes nor is it subject to degradation like other peristaltic technologies, resulting in lower maintenance costs. These unique features combined with Hydro Connect offer on-premise laundry facilities a cost-effective and easy-to-use platform that provides actionable data to improve up-time and operational efficiency.



#### Features and Benefits

- Consolidated footprint offers up to 20% space savings
- Built in display with PCB-based control
- Units support up to 3 washers with 4, 6 or 8 products
- Make configuration changes remotely – adding a formula, changing a dosing amount, or switching the dosing mode
- Configurable water flush between each dose
- Reduce rewash and precisely control each dispense

#### Multi-Washer 3000 Series with EvoClean

<b>Market Segment</b>	On-Premise Laundry
<b>Controller / Local UI</b>	PCB / Multi-Line Display
<b>Washer Style</b>	Washer / Extractor
<b># Products</b>	4, 6 or 8 products
<b># Washers</b>	3 Washers
<b>Max Washer Size</b>	Up to 35 kg (75 lbs.)
<b>Washer Capacity</b>	Up to 105 kg (225 lbs.)
<b>Flow Rate</b>	30 l/h (18 oz/min)
<b>Other Features</b>	<ul style="list-style-type: none"> <li>• EvoClean Enables Accuracy, Even with Micro Doses</li> <li>• Runs without Air</li> <li>• Flow Switch on Water Inlet</li> </ul>
<b>Model Numbers</b>	HYDSPD0093 - 3 Washers 4 Products HYDSPD0091 - 3 Washers 6 Products HYDSPD0092 - 3 Washers 8 Products

## Multi-Washer 6000 Series

### Multi-Washer Units for On-Premise Laundry

Designed to manage chemical dispensing for medium and large on-premise laundries, the Multi-Washer 6000 Series offers reliable dosing that can support up to 6 washers and dose up to 8 products within a single system. Flexible and easy to configure, the Multi-Washer 6000 Series utilizes an accurate flowmeter for precise control to reduce rewash and prevent costly overdosing. Depending on the laundry size and needs, the Multi-Washer 6000 Series can be equipped with an electromagnetic or pneumatic diaphragm pump. The system also reduces maintenance costs by eliminating the need to change squeeze tubes.

#### Features and Benefits

- Panel mounted design – consolidated footprint offers up to 35% space savings compared to individual dispensers per washer
- Built in display with PCB-based control
- Units support 4 or 6 washers with up to 8 products
- Make configuration changes remotely – examples include adding a formula, changing a dosing amount, or switching a unit from flow meter to time mode
- Configurable water flush between each dose
- Reduce rewash and precisely control each dispense through an accurate flowmeter



#### Multi-Washer 6000 Series Pneumatic 1-Channel

<b>Market Segment</b>	On-Premise Laundry
<b>Controller / Local UI</b>	PCB / Multi-Line Display
<b>Washer Style</b>	Washer / Extractor
<b># Products</b>	Standard 8 Products
<b># Washers</b>	4 or 6 Washers
<b>Max Washer Size</b>	Up to 100 kg (220 lbs.)
<b>Washer Capacity</b>	Up to 410 kg (900 lbs.)
<b>Flow Rate</b>	120 l/h (68 oz/min)
<b>Other Features</b>	<ul style="list-style-type: none"> <li>• Basic Reporting</li> <li>• Runs with Air</li> <li>• Metered Dosing</li> </ul>
<b>Model Numbers</b>	HYDSPD0083 - 4 Washers HYDSPD0084 - 6 Washers

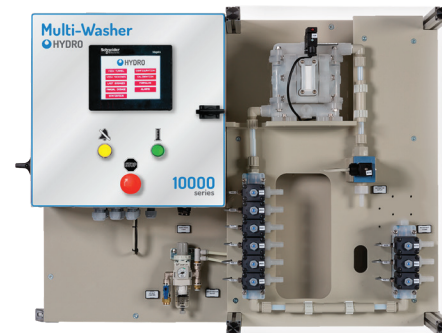
## Multi-Washer 10000 Series

### Multi-Washer Units for Industrial Laundry

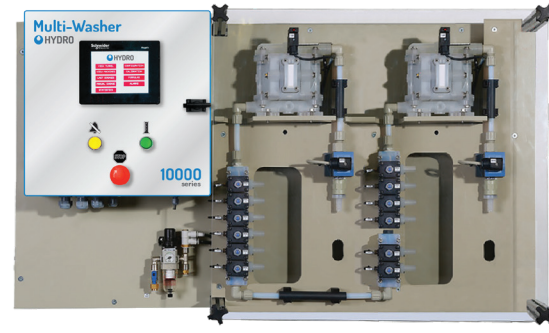
Designed to manage chemical dispensing for commercial/industrial laundries, the Multi-Washer 10000 Series offers reliable dosing that can support up to 10 washers and dose up to 10 products within a single system. Flexible and easy to configure, the Multi-Washer 10000 Series utilizes an accurate flowmeter for precise control to reduce rewash and prevent costly overdosing. Depending on the laundry size and needs, the Multi-Washer 10000 Series can be equipped with one or two dosing channels consisting of valves, a pump, flowmeter, and distribution valves. The system also reduces maintenance costs by eliminating the need to change squeeze tubes.

#### Features and Benefits

- Panel mounted design – consolidated footprint offers up to 60% space savings compared to individual dispensers per washer
- Built in display with PLC-based control
- Units support up to 10 washers with up to 10 products
- Make configuration changes remotely – examples include adding a formula, changing a dosing amount, or switching a unit from flow meter to time mode
- Configurable water flush between each dose with an optional air flush for faster delivery over long distances
- Reduce rewash and precisely control each dispense through an accurate flowmeter



**Multi-Washer 10000 Series  
1-Channel**



**Multi-Washer 10000 Series  
2-Channel**

	Multi-Washer 10000 Series 1-Channel	Multi-Washer 10000 Series 2-Channel
<b>Market Segment</b>	Industrial Laundry	Industrial Laundry
<b>Controller / Local UI</b>	PLC / Color Touchscreen	PLC / Color Touchscreen
<b>Washer Style</b>	Washer / Extractor	Washer / Extractor
<b># Products</b>	Up to 10 Products	Up to 10 Products
<b># Washers</b>	4-10 Washers	4-10 Washers
<b>Max Washer Size</b>	Up to 200 kg (440 lbs.)	Up to 300 kg (660 lbs.)
<b>Washer Capacity</b>	Up to 1,600 lbs. (725 kg)	Up to 4,000 lbs. (1800 kg)
<b>Flow Rate</b>	200 l/h (113 oz/min)	200 l/h (113 oz/min)
<b>Other Features</b>	<ul style="list-style-type: none"> <li>• Remote Monitoring</li> <li>• Optional Air Flush</li> <li>• Metered Dosing</li> </ul>	<ul style="list-style-type: none"> <li>• Remote Monitoring</li> <li>• Optional Air Flush</li> <li>• Metered Dosing</li> </ul>
<b>Model Numbers</b>	HYDSPD0037 - 4 Washers HYDSPD0022 - 6 Washers HYDSPD0024 - 8 Washers HYDSPD0026 - 10 Washers	HYDSPD0038 - 4 Washers HYDSPD0023 - 6 Washers HYDSPD0025 - 8 Washers HYDSPD0027 - 10 Washers HYDSPD0039 - 4 Washers HYDSPD0028 - 6 Washers HYDSPD0029 - 8 Washers HYDSPD0030 - 10 Washers

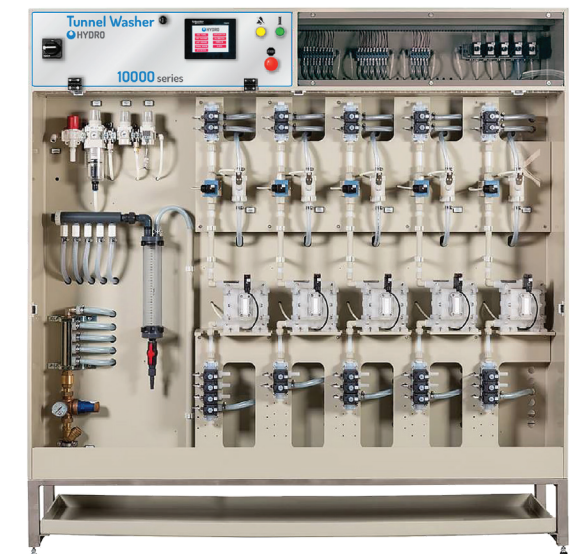


## Tunnel Washer 10000 Series

### Tunnel Chemical Dispensing for Industrial Laundry

The Tunnel Washer 10000 Series is customizable to fit any commercial laundry need featuring large tunnel washers with up to 10 injection points. Flexible and easy to configure, the Tunnel Washer 10000 Series utilizes an accurate flowmeter for precise control to reduce rewash and prevent costly overdosing. Depending on the size and needs of the Tunnel Washer, the system can be equipped with up to 10 dosing channels consisting of valves, a pump, flowmeter, air assist, and distribution valves. The system also reduces maintenance costs by eliminating the need to change squeeze tubes.

All Hydro Tunnel Washer units have the ability to communicate remotely through Hydro Connect. This means clients can access reporting information and make configuration changes remotely from any global location with an internet connection versus making costly site visits. Users report saving up to 90% in maintenance costs as a result.



5-Channel Tunnel Configuration  
Model Numbers: HYDSPD0035 (US), HYDSPD0035M (Metric)

#### Flexible and Easy to Configure

- Floor mounted design
- Built in touch screen with PLC-based control
- Multiple channel configurations to fit laundries of any size
- Make configuration changes remotely – examples include adding a formula, changing a dosing amount, or switching a unit from flow meter to time mode
- Standard configuration is 5-Channel and 11 Products (3+1+2+2+3)

#### Accurately Dispense Chemicals and Reduce Downtime

- Integrated flow meter delivers  $\pm 3\%$  for most products
- Reliable, accurate diaphragm pumps (1.1 GPM or 4.4 LPM)
- Air flush to ensure complete delivery of product
- Tunnel dosing based on actual load size





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