L5000 XL

Large Laundry Dispenser

L5000 XL drives large laundry profitability

L5000 XL doses large washer extractors and CBW/tunnels more cost effectively than any other large laundry dispenser. XL allows you to combine up to eight large or medium pumps and run them all at once. With the ability to operate in programmerless Smart Relay Mode, and retrofit data logging, L5000 XL is the no-compromise dosing system.

L5000 XL delivers cost savings through simplified installation and low maintenance requirements. XL features all the operational simplicity and functionality of L5000Plus, including simple volumetric programming, copy and clone functions, easy calibration, Automatic Formula Selection (AFS) and dose verification. The enclosure has modular pump sections, designed for easy hanging. Applications requiring a flush manifold will benefit from Beta Technology's new clog-resistant check valves.

AFS allows you to configure your dispenser to automatically select formulas based on specific trigger timing criteria from the washer. This saves time, increases accuracy, and helps ensure a smooth transition when replacing a dispenser with L5000Plus. L5000Plus's dose verification feature lets you do a quick, easy "reality check" on the system's calibration, just to make sure it's not time to recalibrate.

L5000 XL is the ideal business development tool. Laundries value Beta Technology's famous reliability and XL's 16 name-selectable formulas. XL's thermal hygiene alarm offers healthcare accounts a unique hygiene compliance service. Bolster consistent results and chemical sales with XL's low product alarm input. Ensure accuracy and make equipment replacement simpler with AFS and dose verification. When data is needed, L5000 XL can be added to the same data bus as ILS and ILS Max, allowing consolidation of all chemical usage into one ManageNet report.

Pays for Itself

- Increases profits
- Reduces installation and training time
- Reduces maintenance
- Fewer trouble calls
- PC-software compatibility
- Simplifies formula reconfiguration when replacing other dispensers
- Formula Selector/Programmer features a 16-character alphanumeric LCD display that supports English, Portuguese, French-Canadian, Finnish, Turkish, French, Japanese, German, and Spanish.

U S Chemical / **Beta** TECHNOLOGY

"I PROGRAMMED IT IN UNDER 10 MINUTES!"

SmartScreens™ lead you through the programming so quickly, a first time user can program formulas in under 10 minutes.

L5000 XL has 6 dosing modes: Smart Relay, Formula, Sequence, Latched and TAFS. Automatic Formula Selection (AFS) is available in Latched mode. These modes make it tremendously flexible, so the L5000 XL can be installed anywhere. In Continuous Batch Washer applications, all 8 pumps can run simultaneously. If remote formula selection is not required, the programmer can be removed after installation is complete.

CLONE FORMULAS FOR QUICKER INSTALLATIONS

L5000 XL's cloning ability eliminates repetitive data entry. Simply unplug the programmer from a programmed pump box, plug it into an unprogrammed pump box and select "Send." It's easy to edit the downloaded programming. By storing a master program on a separate programmer, all of your installations will be quicker!

LAUNDRIES WILL LOVE YOU FOR THIS

XL allows users to select formulas by name instead of number, so you can throw away those wall charts! Optional low level alarms reduce rewashes. Hygiene verification can be used to verify that wash water temperature meets local regulations. Best of all, operators can either view load counts and pump run times on the programmer, or retrofit a datalogging and communications module that can be combined with ManageNet software to provide full operational reporting.

Use hygiene verification alarms to get new business

EASY TO CALIBRATE

Our programmer is an ergonomic wonder, fitting in your hand like a TV remote for quick calibrations. You'll never have to calculate a run time again! The calibration is volumetric, so formulas never need to be changed on the washer or in the dispenser to make adjustments for tube wear. Simply recalibrate each pump, and the run times are automatically adjusted! L5000 XL also features dose verification, allowing you to "reality check" pump volumes and recalibrate if necessary.

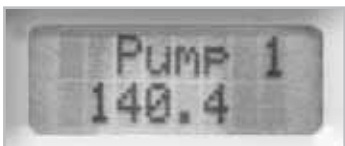Ergonomic design makes calibration easy!

2000 Series Pump

600 Series Pump

REDUCED TRAINING, INSTALLATION, INVENTORY AND MAINTENANCE EXPENSES

L5000Plus and L5000 XL share the same intuitive programming, reducing training time and installation errors.

Fast installation is ensured with easy pump box mounting, phone-cord wiring, formula copy and clone programming functions.

Inventory is minimized by the ability to easily add or interchange large and medium pumps and the ability to operate with or without the programmer.

Pump tubes and flush manifolds are typical sources of trouble calls. Beta Technology's 2000 Series pump provides excellent reliability on our multi-washer ILS dispensers, and has demonstrated
tremendous reliability with L5000 XL. Our 600 Series pump with its spring-loaded roller and special tube geometry is renowned for its outstanding service life in the L5000Plus.

Flush manifold failure typically stems from leaking or clogged check valves. All XL manifold wetted parts are chemically-resistant polypropylene or teflon. Beta Technology's new clog-resistant check valves have no springs or small orifices to cause clogs.

SPECIAL FEATURES

LOAD AND ALARM COUNTS

Load counts of the 16 formulas are stored, as are alarm counts. This screen shows that formula 1 has run 21 times with 5 alarms and 5 hygiene warnings.

TRIGGER DIAGNOSTICS

With the touch of a button, trigger diagnostics show you can simultaneously walk around the washer checking wiring while viewing trigger and pump status.

PUMP RUNTIME COUNTER

Counts pump runtime in minutes. Enables you to calculate product usage and keep track of tube life. Can be reset to 0 in Programmer-Level access.

SIMPLE FORMULA NAME SELECTION

Selecting formulas by wall chart numbers increases the chance of selecting the wrong formula. Incorrect formulas cause rewash or fabric damage. XL's alphanumeric formula names eliminate the need for the wall charts, simplifying laundry operations and ensuring consistent results.

SPECIFICATIONS

SIZE

Pump Box
Height: 9.4 in/23.88 cm
Width: 22.4 in/56.90 cm
Depth: 6 in/15.24 cm
Weight: 32.5 lbs./ 14.74 kg

Trigger Board (TR8000)
Height: 12.7 in/10.2 cm
Width: 3.6 in/9.1 cm

MATERIAL

Polypropylene body and fittings

Enclosure Material
Stainless 304

FLUSH MANIFOLD (OPTIONAL)

Water Inlet
Barb fitting for 1/2" ID tube, 10-20 PSI (.68 -1.36 bar) supply, flow 1.9 liters (0.5 gallons) per minute, (flow interlock at 0.38 liters/0.1 gallons per minute)

Chemical Connections
8 barb fittings for 3/8" ID tube
Discharge fitting for 1/2" ID tube

PUMPS

Peristaltic, dual roller, self-priming and self-checking

Nominal Flowrate
600 Series: 600 ml/min (20 oz/min) nominal
2000 Series: 2000 ml/min (68 oz/min) nominal

All pumps can run simultaneously. Pumps have a 10-minute continuous runtime limit.

Tube Connections
600 Series: Barb for 10 mm or 3/8"ID nylobraid, EVA, or equivalent
2000 Series: Barbs sold separately (1/2" for direct pumping to washer, 3/8" for connection to flush manifold)

Pump Box Mounting
Internal keyhole screw mounting, or optional rail mounting

RATINGS AND CONFORMANCE FOR ALL SYSTEM MODULES

CSA 22.2 No. 142, UL508, CE: EN61010, EN61326
TUV: GS (Pump box, not required on programmer because it is low voltage)

ELECTRICAL

Line Power (not CE):
90-260 VAC, 47-440 Hz, 100 watts (not CE)

Line Power (CE)
100-240 VAC 50/60 Hz (CE)

Component Connection
Plug-and-play telephone-style cable

Flush Valve Output
24 VDC, 0.5 Amp

Alarm Output
24 VDC 0.5 Amp and SPDT
24 VDC, 1 Amp Relay

Chemical Trigger Inputs
8 optically-isolated 24 - 120 VDC, 24 – 240 VAC, 20K ohm impedance*
*20k ohm impedance limits the trigger input current to 12 mA or less. Each of the trigger channels is optically isolated from the system, and has individual ground (common) connections.

HOW TO ORDER

Code #	Description
1201354	XL Programmer, All modes, all data screens. Includes 25' cable screws and Velcro mounting
1208447	TR8000L - Includes 25' cable and velcro mounting

MAIN PUMP BOXES

1202187	L5000XL 6, 2000 Series
1202420	L5000XL 5, 2000 Series
1202421	L5000XL 6, 600 Series
1201460	L5000XL 3, 2000 Series & 3, 600 Series
1202658	L5000XL,4, 2000 Series
1201458	L5000XL 2, 2000 Series & 4, 600 Series
1201459	L5000XL 2, 2000 Series & 3, 600 Series
1201461	L5000XL 2, 2000 Series & 2, 600 Series

AUXILIARY PUMP BOXES

1201261	L5000XL 2, 2000 Series
1201259	L5000XL , 2000 Series
1201260	L5000XL 2, 600 Series
1201258	L5000XL 1, 600 Series

SPARE PARTS

E090015	Pump box drive PCB (Main)
1206790	Power supply
1202534	Power cord, Summit E/P400P/L5000Plus
041747	Cable, 2 conductor, 22 gal., Cable, 2 conductor, 22 gal., Sierra/ H-3000E/NS-1000E/ DR-2000
1202252	Cable converter, USB/RS232 for ManageNet (ILS/ILS MAX)