

L5000Plus

Laundry Chemical Dispensing System

A flexible laundry system formulated just for you!

L5000Plus'S flexibility makes it easy to set up with any washer. It will run up to three pumps simultaneously, and each pump can have an independent delay time. Our patented sequence mode is great for washers with few or even no signals, and can drive 16 formulas with one trigger. Also available are latched mode for washers with recurring triggers, formula mode, and smart relay mode which allows the user to select the dose rate.

Automatic Formula Selection (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.

Programmerless relay and single formula modes don't require a programmer once the pump box is programmed. This means you can use one programmer on many installations. You will appreciate the convenience.

By selecting formulas by name, your customers can be sure they get the right chemistry every time. Rewashes are prevented with optional low level alarms. Selectable hygiene verification alerts laundry workers when thermal regulations are not met. Two security levels enable end-users to view data without jeopardizing setups.

The L5000Plus programmer fits in your hand like a TV remote, and it's even easier to use. Prime and calibrate with the programmer in one hand and a measuring cup in the other. Volumetric calibration keeps you from ever having to go back and change formulas after changing a pump tube.

L5000Plus is Beta Technology's latest innovation in OPL dosing technology. It offers these features:

- Programmerless relay mode and single formula mode allow you to use one programmer for several installations, saving you the cost of the programmer
- Allows for up to 8 pumps
- Pump speed control increases tube life with viscous products, reducing service costs
- Programmer can be used to store and copy formulas and formula names for several dispensers—no cloning adapter required!
- Computer data interface PCB works with reporting software
- You can add as many as 8 pumps with the new sleek design of the auxiliary pump box
- Detailed documentation online allows for easier installations
- AFS that makes formula selection more accurate and helps reduce overall equipment costs
- Dose verification to reduce servicing costs



Pays for Itself

- New sloped design
- New trigger module that can be mounted outside of pump box
- Visible LED on trigger module to enhance washer troubleshooting
- TAFS mode available for tunnel applications
- Automatic Formula Selection (AFS)
- Dose verification



SPECIFICATIONS

SIZE

5-Pump System

Height: 8.25 in / 21.96 cm
Width: 19.4 in / 49.28 cm
Depth: 5.25 in / 13.34 cm
Weight: 12.0 lbs / 5.47 kg (2 mounting holes in back, extra hole in back center for stability)

3-Pump System

Height: 8.25 in / 21.96 cm
Width: 12.1 in / 30.73 cm
Depth: 5.25 in / 13.34 cm
Weight: 8.2 lbs / 3.72 kg (2 mounting holes in back, extra hole in back right for stability)

Enclosure material

Stainless 304

ELECTRICAL SPECIFICATIONS (PUMP BOX)

Protective conductor terminal CE Compliant

100-240 VAC 50/60 Hz, 1.8-0.9 Amp. Transient voltages typically present at mains supply. Mains supply fluctuations not to exceed $\pm 10\%$

Water Valve Output

24 VDC, 0.5 Amps

Pump Drive Outputs

24 VDC, 1 Amp normal, 2 Amps max

Power Switch

On/off rocker switch on pump box

600 Series* Pumps

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

Transport Tubing

10 mm or 3/8" I.D. Nylobraid, EVA or equivalent for 600 Series pumps

Nominal Flowrate

600 Series Pumps: 500 ml/min (16.9 oz/min) with standard EPDM tubing (0.25" ID bore)

Pump Distance

The distance you can pump depends on pump size, transport tube diameter and chemical viscosity. Standard pump distances for L5000Plus pumps: 600 Series: 6 – 9 meters (20 – 30 feet). Use a flush manifold for longer pump runs and for viscous chemicals. *L5000Plus comes standard with 600 Series pumps. L5000Plus can be retrofitted with 100 Series pumps if necessary. See the L5000Plus Reference Guide.

ENVIRONMENTAL SPECIFICATIONS (FOR ALL SYSTEM MODULES)

Altitude

Maximum operating altitude 2000 meters (6500 feet)

Internal Ambient Temperature Range

5-40°C (41-104°F) For indoor use only.

Humidity Maximum

Relative humidity 80% at up to 30°C (86°F) decreasing linearly to 50% relative humidity at 40°C (104°F)

Ratings and Conformance (for All System Modules)

Intended for indoor use only

PROGRAMMER SIZE

Programmer Dimensions

Height: 6.0 in / 15.24 cm
Width: 3.0 in / 7.62 cm
Depth: 1.5 in / 3.81 cm
Weight: .32 lbs / .15 kg

Display

2-line, 8-character LCD, "Super Twist"

Power

5 VDC, supplied by pump box

Connection

8-pin, RJ-45 telephone-type plug-and-play cable, connected to trigger module. Maximum distance from pump box to programmer is 30.5 meters (100 feet)

TR8000L TRIGGER MODULE

Dimensions

Height: 4.38 in / 11.13 cm
Width: 5.25 in / 13.34 cm
Depth: 1.0 in / 2.54 cm
Weight: .44 lbs / .20 kg

Power

5 VDC, 0.1 Amp

Trigger Input Voltage

24-120 VDC/0.005 Amp (5 milliamps) current draw from washer

AUXILIARY PUMP BOX

Dimensions

Height: 8.25 in / 20.96 cm
Width: 3.88 in / 9.86 cm
Depth: 5.38 in / 13.67 cm
Weight: 3.1 lbs / 1.4 kg

Power

24 VDC, 0.8 Amp (supplied by pump box)

HOW TO ORDER

Code #	Description
1209635	L5000Plus, 3 Pumps, 600 Series
1209636	L5000Plus, 4 Pumps, 600 Series
1209637	L5000Plus, 5 Pumps, 600 Series
1209638	L5000Plus, 6 Pumps, 600 Series
5186289	L5000Plus, Auxilliary Pump Box, 600 Series
1201354	XL Programmer, All modes, all data screens. Includes 25' cable screws and Velcro mounting

SPARE PARTS

Code #	Description
E090015	Pump box drive PCB (Main)
069133	PCB, Power Supply
E172002	Cable, L5000COM, 25FT
068643	Communication cable 10"
097093	Pump motor cap
041747	Cable, 2 conductor, 22 gal., Sierra/ H-3000E/NS-1000E/DR-2000
1202252	Cable converter, USB/RS232 for ManageNet (ILS/ILS MAX)
026131	SCR PAN PHIL SS 8-32X3/8