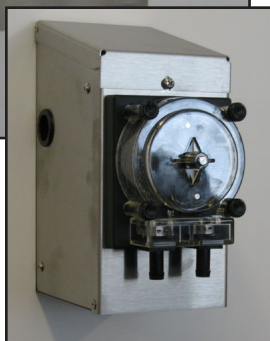




L5000PLUS

L5000Plus brings you:

- 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



L5000Plus is Beta's latest innovation in OPL dosing technology. It offers the same reliability and ease of use as Summit E, but with more versatility with 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.
- New, more detailed documentation on-line allows for easier installations.
- Automatic Formula Selection (AFS) that makes formula selection more accurate and helps reduce overall equipment costs.
- Dose verification to reduce servicing costs.

Laundry Chemical Dispensing System

L5000Plus 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 times, 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.

If you already own a Summit E, all of this equipment is backwards compatible and will work with your existing units. It is even programmed the same way so there is no retraining of your staff. The new documentation provided makes this unit easier to install.



Specification

Size

Pump Box Dimensions (5-Pump System)	21 x 50 x 13.3 cm
(Height, Width, Depth)	8.25 x 19.4 x 5.25 inches
Pump Box Dimensions (3-Pump System)	21 x 30.8 x 13.3 cm
(Height, Width, Depth)	8.25 x 12.1 x 5.25 inches

Weight

Pump Box Weight (5 Pump System)	5.4 kg/ 12 lbs
Mounting 2 holes in back, extra hole in back center for stability	
Pump Box Weight (3 Pump System)	3.72 kg/ 8.2 lbs
Mounting (3-Pump System) 2 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

Programmer Dimensions	15 x 7.6 x 3.8 cm
(Height, Width, Depth)	6.0 x 3.0 x 1.5 inches

Pump Box Weight (5 Pump System)	0.15 kg/ 0.32 lbs
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Display	2-line, 8-character LCD, "Super Twist"
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Power	5 VDC, supplied by pump box
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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)
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TR8000L Trigger Module

Dimensions	11.13 x 13.34 x 2.54 cm
(Height, Width, Depth)	4.38 x 5.25 x 1.0 inches

Weight	0.20 kg/0.44 lbs
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Power	5 VDC, 0.1 Amp
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Trigger Input Voltage

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

24-240 VAC/0.005 Amp (5 milliamps) current draw from washer

Auxiliary Pump Box

Dimensions	20.96 x 9.86 x 13.67 cm
	8.25 x 3.88 x 5.38 inches

Weight	1.4 kg/3.1 lbs
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Power	24 VDC, 0.8 Amp (supplied by pump box)
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L5000Plus System with Kit

Unit Description	Code No
L5000Plus, 3 Pump	1209635
L5000Plus, 4 Pump	1209636
L5000Plus, 5 Pump	1209637
L5000Plus, 6 Pump	1209638
L5000Plus, Auxiliary Pump Box	1209634
2 Pump Installation Kit with Standpipes	1205283
3 Pump Installation Kit with Standpipes	069902
4 to 6 Pump Installation Kit with Standpipes	069903

L5000Plus Spare Parts

Unit Description	Code No
Programmer	1201354
L5000Plus PCB, Main	1205112
L5000Plus PCB, Power	069133
Low Level Drum Lance, 5 gal. pail (alarm probe) - Requires 1 x 1201005 connector (not included)	1203503
Alarm-Low Level Sonic Requires - 1 x 1201005 connector (not included)	1200452
Input/Output Alarm Connector used for optional sonic alarm output and low level sensor input option. If both used, 2 per unit	1201005

L5000Plus Spare Parts - Continued

Unit Description	Code No
TR8000 L Trigger Module with cables and Velcro	1208447
Pump Cartridge, 600 Series EPDM Barbed fittings 6.33mm ID	068884
L5000Plus Data PCB	1205364
Cartridge 600 Series (no tube)	1205722
600 Series Pump Motor/Gearbox	093491
600 Series Tube Kit EPDM 6mm x 10mm barbed	087900
L5000Plus Formula Selector Cable, 7.6 meters (25 feet)	068744
L5000Plus 8-way Cable, 25 cm (10 inches)	068643
L5000Plus Cable Assembly, 30 meters (100 feet)	1204588
Cable Extension Kit	068855
Pump Motor Plastic Cap	097093
Hose Reducer, 1/2B x 3/8B Barbed	031268
Straight Connector, 3/8B x 3/8B	025702
Hygiene Probe Kit	068976
Pump Box Wiring Harness	1209907
Aux Box Pump Wiring Harness	1209908



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