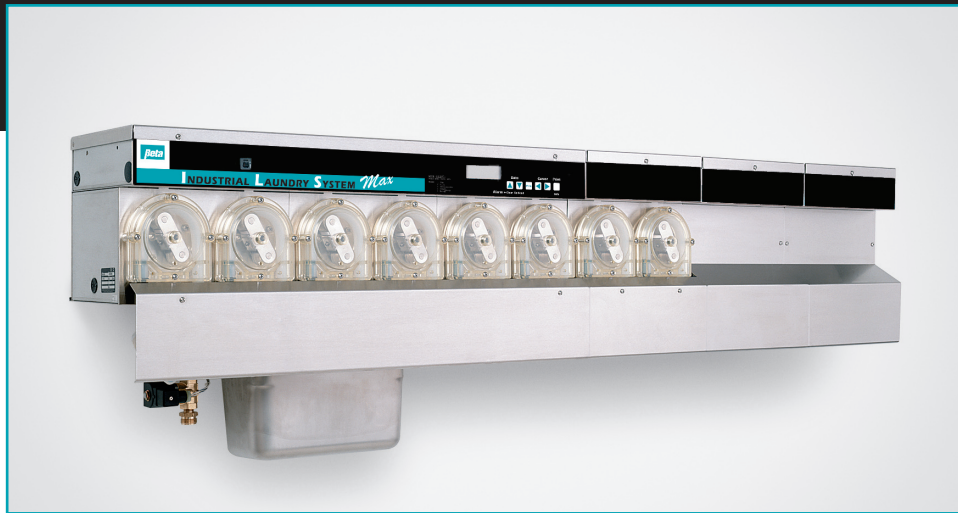


ILS Max

Multi-Washer Chemical Dispenser



ILS Max is a liquid-chemical delivery system for tunnels or large washers, typically in the 100-1000 lb range. It is a modular system, capable of serving up to 15 washer extractors (depending on washer capacity) delivering up to ten products to each washer. ILS Max can also be configured to operate with any continuous-batch washer with the easy-to-install tunnel kit.

The ILS Max System provides many safety and performance benefits, including automatic calibrations, out-of-chemical alarms, proof-of-flow/proof-of-delivery, plumbing code-compliant break tank, pump interlock relay ladder to prevent mixing of incompatible chemicals, and dilution with all doses.

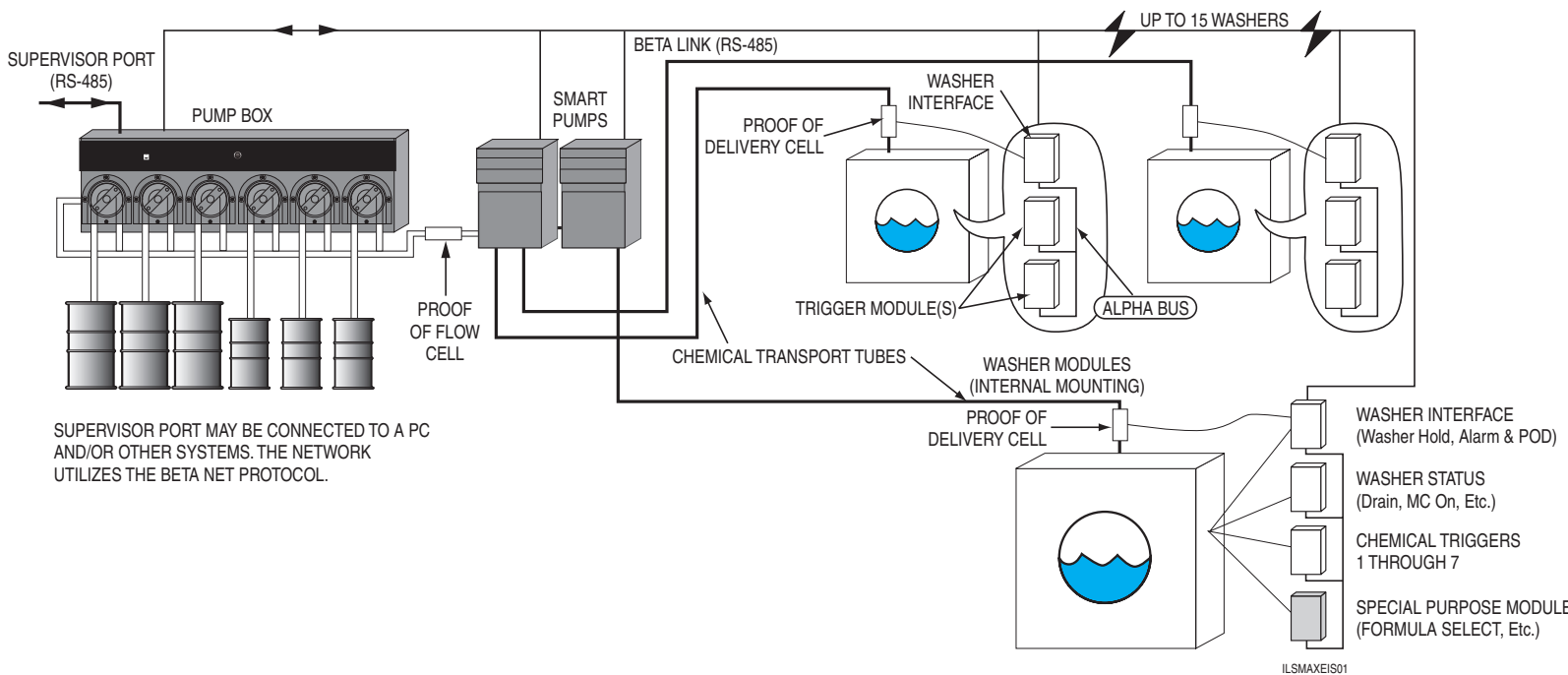
No custom engineering or installation is required. ILS Max is designed to fit every large laundry dosing application.

Pays for Itself



- Consistent quality results
- Superior safety standards
- Improved cost control
- Elimination of product waste
- Control and monitoring for higher standards and productivity

ILS Max - An Integrated Laundry Management System



Outstanding System Safety

- Low voltage serial communication from washer to dispenser
- Patented metering pump reversal after each dose prevents mixing of incompatible chemicals and eliminates contact with concentrated product when servicing pumps
- Break tank ensures isolation of chemicals from water supply
- Water flushed delivery dilutes chemical products and permits remote feed up to 60 m (200 ft) away from washers

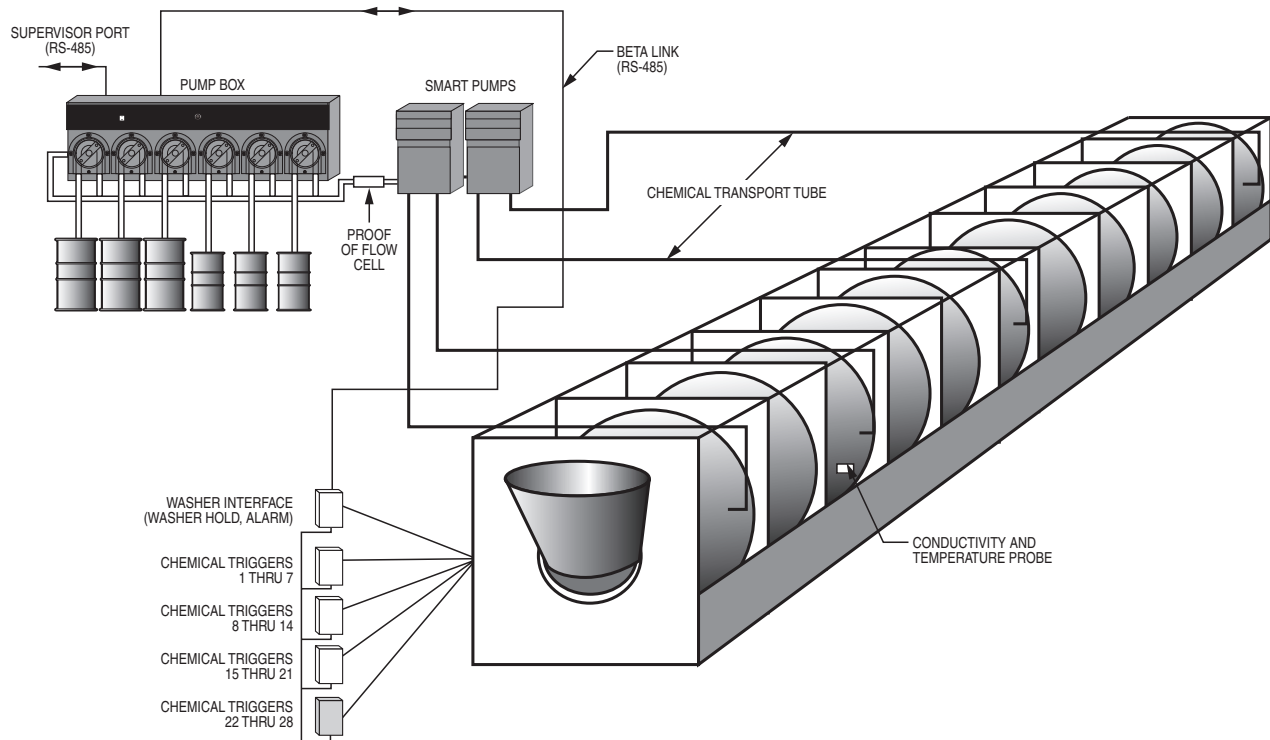
Cost-Effective Operation

- Multiple washer service cuts per washer equipment cost
- Small module size allows easy installation and expansion of base system
- Communication bus design simplifies installation and setup
- Easy system setup and report generation through simple PC interface screens
- Accurate and consistent chemical feeds minimizes costly linen replacement and washer repairs
- Chemical usage and production summary reports improves efficiency
- Pump squeeze tubes rinsed after every dose extending tube life

Superior Wash Quality

- Comprehensive selection of trigger modes maximizes the adaptability to most washer controllers:
 - Relay and relay enhanced
 - Formula (fixed dose)
 - Automatic (fixed dose)
- Auto-prime of pumps avoids short chemical injections due to air gaps in supply line
- Patented auto-calibration for each dose compensates for changes in squeeze tube output
- Water flushed delivery eliminates post dose dripping of full strength product Patented "proof of flow" sensor ensures product leaves the dispenser
- Troubleshoot problems quickly with onboard alarms and advanced diagnostics
- PC-based ManageNet application allows multi-dispenser programming and report generation from one supervisory location

ILS Max T - For Continuous-Batch Washers



Specifications for ILS Max/ILS Max T

Dimensions

Pump Box

Width: 32.5 in
Height: 10 in
Depth: 10 in

Auxiliary Pump Module

Width: 11 in
Height: 10 in
Depth: 10 in

Smart Pump Module

Width: 11 in
Height: 10 in
Depth: 10 in

Transformer*

Width: 9 in
Height: 8 in
Depth: 7 in

Weight

Pump Box

63 lbs

Auxiliary Pump Module

28 lbs

Smart Pump Module

28 lbs

Transformer*

7.4 lbs

Ambient Operating Temperature

32 to 120°F

Electrical Requirements

Pump Box

24 VAC @ 20 amps

Transformer*

120 - 240VAC @ 50/60Hz
24 VAC @ 20 amp

*Dependent on type

Water Requirements

4 gal/min

Pumps

Chemical Metering

Peristaltic, full, half, or slow speed self-priming/checking
Maximum Number: 10 chemicals dispensed from 10 pumps, or 20 pumps in tandem configuration
Capacity: 100 oz/min, 200 oz/min in tandem configuration
Flow data measured at 1 CPS and factory recommended installation

Transport

Diaphragm Type (microprocessor controlled)
Maximum number: 15

ILS Max Capacity: 3 gal/min, 30 PSI max

ILS Max T Capacity: 1.5 gal/min 50 PSI max

Enclosure Material

Pump Box, Auxiliary & Smart Pump Modules

Type 304 brushed Stainless Steel

Washer Modules

Washer Interface Module: molded plastic

TR-7000 - AC Trigger Module: molded plastic

FS-1600 Formula Select Module: molded plastic (for ILS Max only)

ILS Max Ordering Information

Component	Recommended Qty.	Code #
Main module with 6 each 3L/min chemical pumps and manual	1 each	068484
Break Tank Module	1 per system	1205872
Transformer, 24 VAC - 500 VA	1 per system	051281
Auxiliary Pump Box (with 2 each, 3L/min chemical pumps) As required for: 1. More than 6 chemicals 2. One or more 6L/min chemical pumps		1205867
Initial Smart Transport Pump Module for washer- extractors (not for Tunnel applications)	1 per install (1 x 3 GPM diaphragm pump)	1205826
Additional "Smart" Transport Module for washer- extractors (not for Tunnel applications)	1/2 per washer (2 x 3 GPM diaphragm module)	1205734
Washer Interface Kit (includes POD cell assembly)	1 per washer	056684
TR-7000 Trigger Module Kit AC/DC with cables (2 trigger module + 2 harness)	1 per washer, 1/2 per washer if no data logging is required	059011
Protocol Converter with power supply	As required	097906
FS-1600 Formula Select Module	As required for manual select	091869
TR-7000 AC Trigger Module without cables		093126
Install Kit	1 per system	1205784
ManageNet Win	1 per system	099050
Transport tubing 1/2" ID x 5/8" OD Polyflow		041966
Betalink cable, shielded, 5 conductor, 22GA		094479
Alphabus cable, 4 conductor, 22GA		018034
Power cable, transformer to pump box		051373
Chemical suction tubing 5/8" ID, Nylobraid		092358

For Tunnel Applications use the following component parts.

Component	Recommended Qty.	Code #
Tunnel Kit (Includes manual)	1 per system	068483
Additional Smart Transport Module for Tunnels	2 x 1.5 GPM diaphragm per module	1205730
Initial Smart Transport Module for Tunnels	1 x 1.5 GPM diaphragm per module	1205865
Transport tubing 3/8" x 1/2" OD, Polyflow		092369

Accessory Kits

Code #	Description
051150	Chemical standpipe (drum lances) (6 each supplied in installation kit)
4198456	Strobe light, amber 12/24 VAC/DC
1202252	USB/RS232 converter cable
059728	Bracket, trigger module
050242	Adapter connector, Milnor Micro Processor
059000	Trigger module, (7 channel) AC/DC without cables. As required for: 1. 10 chemicals 2. Formula select above 8 formulas
057279	Trigger enclosure, NEMA type 1. As required (1 per washer for mounting of trigger modules external to washer)
093126	TR-7000 AC without cables
050587	Chemical trigger harness (7 channel) As required for additional trigger module
1207726	ILS MAX manual
068480	ILS MAX Tunnel manual



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Beta Technology is ISO 9001 certified

Specifications are subject to change as part of Beta's on-going quality improvement process.