

ILS MAX

Multi-Washer Chemical Dispenser

Bigger is better!

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.

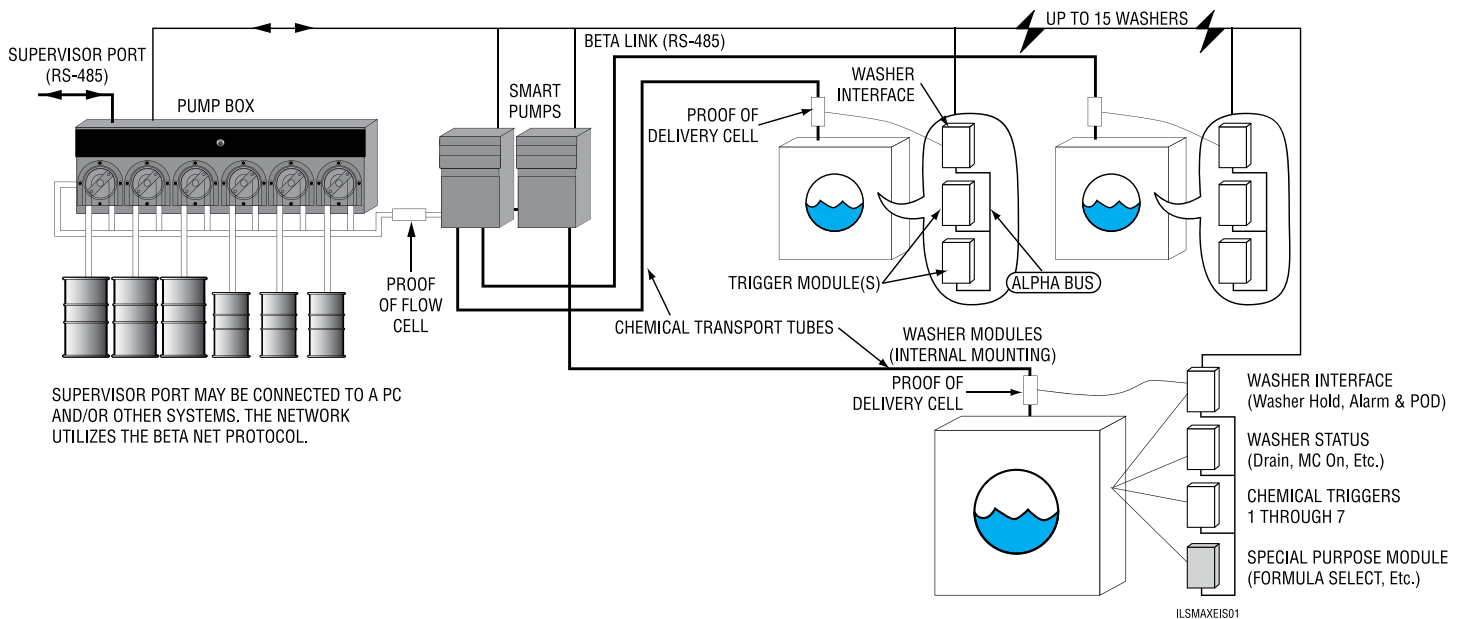
No custom engineering or installation is required. ILS Max is designed to fit every large laundry dosing application.



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

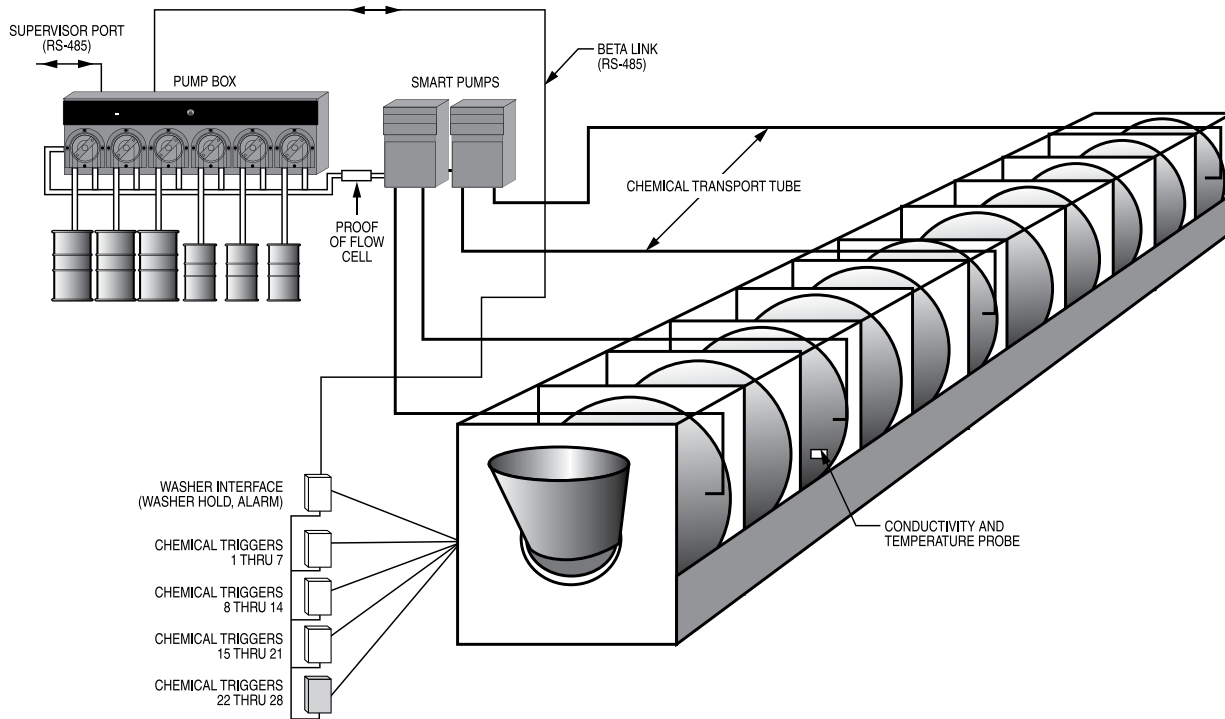
COST- EFFECTIVE OPERATION

- 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 improve 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)
- Pump auto-prime of pumps eliminates 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 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

SIZE

Pump Box

Width: 32.5 in / 82.55 cm
 Height: 10 in / 25.4 cm
 Depth: 10 in / 25.4 cm
 Weight: 63 lbs / 28.58 kg

Auxiliary Pump/ Smart Pump Module

Width: 11 in / 27.94 cm
 Height: 10 in / 25.4 cm
 Depth: 10 in / 25.4 cm
 Weight: 28 lbs / 12.7 kg

Transformer*

Width: 9 in / 22.86 cm
 Height: 8 in / 20.32 cm
 Depth: 7 in / 17.78 cm
 Weight: 7.4 lbs / 3.36 kg

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)

AMBIENT OPERATING TEMPERATURE

32° - 120°F / 0° - 49°C

WATER REQUIREMENTS

4 gal/15.14 L min

*Dependent on type

ELECTRICAL REQUIREMENTS

Pump Box

24 VAC @ 20 amps

Transformer*

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

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/11.36 L min, 30 PSI max
 ILS Max T capacity: 1.5 gal/5.68 L min 50 PSI max

HOW TO ORDER

Code #	Description
068484	Main module w/6 each 3L/min chemical pumps & manual
E075009	Break tank module
E450048	Transformer, 24 VAC - 500 VA
1205867	Auxiliary Pump Box (with 2 each, 3L/min chemical pumps) As required for: More than 6 chemicals or one more 6L/min chemical pumps
1205826	Initial smart transport pump module for washer-extractors (not for tunnel applications)
1205734	Additional "Smart" Transport Module for washer-extractors (not for Tunnel applications)
E076010	Washer interface kit with POD alpha bus, only used for POD and washer hold
E076011	TR-7000 trigger module kit AC/DC with cables (2 trigger module + 2 harness)
E076023	Protocol converter with power supply, as required
E070036	FS-1600 formula select module
1209959	TR-7000 AC/DC, alpha bus requires harness 050587. Only used for additional data logging of washer signals. Not required for load counts and chemical cost tracking. Trigger module, (7 channel) AC/DC without cables. As required for 10 chemicals or formula select above 8 formulas
099050	ManageNet Win for laundry
051284	Bushing, 2 x 1/4" diameter plastic black
041966	Bulk tubing, polyethylene, break tank, ILS MAX
041248	BSHG, SNAP, 7/8ODX11/16ID
094479	Betalink cable, 5 channel, shielded, 22 AWG used as pumpbox to TR-7000 & washer interface module communicator cable, 100 ft.

041757	Alphabus cable, 4 cond., 22 AWG (CSA 0.35 MM2)
051153	CLP, CBL, ADH BACK, .38DIA, PLSTC
092358	Bulk tubing, reinforced PVC 0.625 ID x 0.90 OD (chemical uptake to pumps) 50 ft. roll, ILS

ILS MAX - CONTENTS OF INSTALLATION KIT (E063024)

Code #	Description
E063024	Install Kit, 1 per system
051284	Bushing, 2 x 1/4" diameter plastic, black
041248	BSHG, SNAP, 7/8ODX11/16ID
051153	CLP, CBL, ADH BACK, .38DIA, PLSTC
041810	CLP, HOSE
057410	HOLE PLUG, NYLON, ILS MAX
041972	10' HOSE ASSEMBLY
059275	INSTR, LOCK SW ASSY
014515	BUSHING 3/4 X 1/2
041952	PFTG, NIP, HEX, 3/8MPTX1/2MPT, BRS
040987	Screw panhead, 10 -32 X 1/2 MPT brass
092917	STDP, CHEM UPTAKE, 3/4X46L, PVC4
055702	TBG, BU, SIL, .750IDX.1FT
1206636	TERM BLK, SCR, 3X1, CBL, PHX
042000	BULKHEAD FITTING, VP, 1/4" TUBE
1205732	BRKT, MAN, CHEM PMP, DF2
1205729	BRKT, CHEM MAN SPRT, DF2
1205783	MFG, SA, POF/FILTER ASSY, DF2
1205790	O-RING, .551IDX.070WALL, VITON
1205811	HFTG, ELB, 3/4B3/4B, PPLYN
026929	TBG 1"ODX3/4ID