

ILS OPL

On-Premise Laundry System

Cleaner Installations. Product Differentiation.

Beta Technology's ILS OPL is a multi-washer liquid chemical delivery system, serving up to 6 washers with up to 8 chemicals. It is designed for use in medium-sized laundries with washer sizes between 35 and 250 lbs. The ILS OPL uses less wall space and less tubing than single washer dispensers, making installations look neat and professional. Installed on thousands of washers worldwide, it has a track record of performance and reliability.

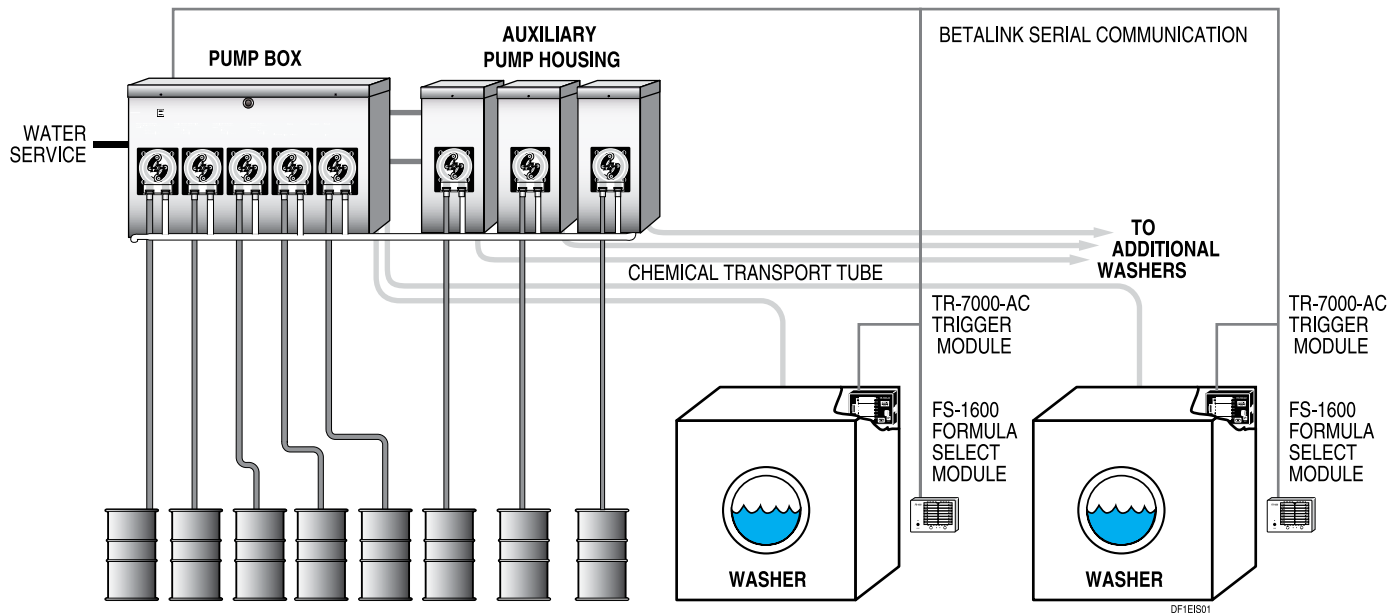


Pays for Itself

- Outstanding system safety
- Cost-effective operation
- Superior wash quality
- Product differentiation vs competitors
- Makes installations neater



ILS OPL - Neater Installations.



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 60m (200 ft.) away from washers.

COST EFFECTIVE OPERATION

- Multi-washer service cuts per washer maintenance cost.
- Small module size and pre-assembled main manifold allow easy installation.
- Communication bus design simplifies installation and setup.
- Easy system setup and report generation through simple PC interface screens.
- Auto calibration provides accurate and consistent chemical feeds, minimizing costly linen replacement.
- Chemical usage and production summary reports improve efficiency.
- Patented SnapHead™ pump maintenance requires no tools.
- Pump squeeze tubes rinsed after every dose, extending tube life.

SUPERIOR WASH QUALITY

- Comprehensive selection of trigger modes maximizes adaptability to washers: relay and relay enhanced, formula (fixed dose), automatic (fixed dose)
- PDCI offers 7 powerful triggering systems for positive cycle identification and flexible formula creation.
- Automatic identification of wash classification eliminates formula selection errors.
- Auto-prime of pumps avoids short chemical injections due to air gaps in supply line.
- Patented auto-calibration for each dose compensates for change in squeeze tube output and changing chemical viscosity due to temperature.
- 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.
- Manage on-site operations with a comprehensive suite of production and diagnostic reports.

ILS OPL - Product Differentiation.

Special Features

PC software allows for :

- Programming on-site or from anywhere in the world.
- Chemical cost reporting.
- Viewing detailed data for troubleshooting.
- Linking data for all the laundry dispensers in the account, enabling the account to target problems and increase efficiency, saving money.

Chemical	Sub 1		Sub 2		Sub 3		All Units	
	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
1. Alkali	680.00	\$1911.07	9.30	\$27.22	10.40	\$40.01	891.24	\$2324.61
2. Detergent	788.93	\$1813.01	3.85	\$18.62	6.96	\$38.22	152.04	\$1471.04
3. Bleach	333.52	\$357.93	4.64	\$4.59	4.84	\$4.37	339.76	\$366.67
4. Fabric Softener	43.06	\$103.44	0.95	\$1.67	0.89	\$4.16	44.52	\$190.17
6. Soap	27.76	\$60.17	0.88	\$1.86	0.36	\$1.13	28.88	\$63.11
7. Bleach	282.02	\$303.73	4.24	\$3.23	0.14	\$0.08	285.41	\$312.52
8. Anti Static Agent	23.06	\$64.16	0.24	\$7.93	0.40	\$11.20	20.86	\$49.27
Total Costs	3000.89	\$699.88	192.85	\$181.36	\$181.36	\$181.36	\$1721.39	\$1721.39

SPECIFICATIONS

SIZE

Pump Box (5 chemical pumps, 3 washers)

Height: 13 in / 33.02 cm
Width: 22 in / 58.88 cm
Depth: 11 in / 27.94 cm
Weight: 36 lbs / 16.33 kg

Auxiliary Pump Housing (1 chemical pump, 1 washer)

Height: 13 in / 33.02 cm
Width: 7 in / 17.78 cm
Depth: 11 in / 27.94 cm
Weight: 13 lbs / 5.90 kg

Transformer*

Height: 5.5 in / 13.97 cm
Width: 5 in / 12.7 cm
Depth: 4 in / 10.16 cm
Weight: 7.4 lbs / 3.36 kg

ENCLOSURE MATERIAL

Pump Box, Auxiliary & Smart Pump Modules

Type 304 brushed stainless steel

AMBIENT OPERATING TEMPERATURE

0°C to 50°C (32°F to 120°F)

WATER REQUIREMENTS

5 L/min (1.3 gal/min)

ELECTRICAL REQUIREMENTS

Pump Box

24VAC @ 5 amps

Transformer*

120 - 240VAC @ 50/60Hz
24 VAC @ 6.25 amp
*Dependent on type

PUMPS

Chemical Metering

Peristaltic, dual spring loaded roller, self-priming/checking, 2 speed operation

Maximum number: 8

Capacity: 0.6 L/min (20 oz/min)

Flow data measured at 1 CPS and factory recommended installation

Transport

Diaphragm Type (microprocessor controlled)

Maximum number: 6

Capacity: 2.0 L/min (3.4 bar max): 0.53 gal/min (50 PSI max)

Washer Modules

TR-7000 - AC trigger module: molded plastic

FS-1600 - formula select module: molded plastic

HOW TO ORDER

Code #	Description
1207746	Main Module w/4 chemical & 2 transport (washer) pumps, 1 ea.
E450051	Transformer, 120 - 240 VAC, 150 VA, 1 per system
E075012	Empty Single-Pump Auxiliary Pump Housing-comes without pumps. Holds 1 chemical pump & 1 transport pump, as required
E075014	Auxiliary Chemical Pump Motor Kit (20 oz), as required
E075013	Auxiliary Transport Pump Kit (MK3), 1 per washer
E076022	TR-7000 Trigger Module Kit AC with cables, 1 per washer
094479	Betalink cable, 5 channel, shielded, 22 AWG used as pumpbox to TR-7000 & washer interface module communicator cable, 100 ft.
E076023	Protocol Converter with power supply, as required
E070036	FS-1600 Formula Select Module, as required for manual formula select
099050	ManageNet Win for laundry, 1 per system
017425	Transport tubing, 3/8" OD, polyethylene, 100 feet
092357	Bulk tubing, reinforced 1/2" ID x 3/4" OD, 200 ft. roll, ILS
097073	Aerator

SPARE PARTS

Code #	Description
041747	Cable, 2 conductor, 22 gal., Cable, 2 conductor, 22 gal., Sierra/ H-3000E/ NS-1000E/ DR-2000
055697	Power supply for 097906
093734	LCD display with jumper
E454040	Probe, CP3412, POF with thermistor
E430058	Float switch, break tank
E070034	Washer interface, module only
050588	Harness, machine triggers (striped color)
050587	Chemical trigger harness (7 channel), as required for additional trigger module (ILS/ILS MAX)
094136	Aerator, faucet, 3/8 BFT, 22 GPM
3703844	Label spacer
050579	Rail, mounting, 34" SST, LS/ILS MAX

E070045	Printed circuit board, pump box, MK3 version
E292062	Solenoid valve, brass
E201032	Spare key
E262024	Transport pump, valve kit, MK3 Viton (ILS MAX T only)
E236061	Transport pump, complete, MK3, 3
E290057	Pump head, transport, MK3, 3" Viton valve (ILS MAX T only), 1.65 GPM
063446	Seal for POF/POD cell
096093	Water strainer / filter assy , 1/2" FPT, Polypropylene, 20 mesh, ILS MAX/ILS OPL
E281220	No. 5, Tube insert for 0.375" bore tube, Tube insert, barb, 3/8 x 1/2 connection, 20 oz pumps
E422033	Circuit breaker, 5 A
1200932	Foot valve 1/4B, 3/8B, 1/2B (Viton) and strainer (break tank), BetaJet/ILS OPL
1207700	Label, ILS OPL overlay
093723	Flow restrictor
093624	STANDPIPE ASSY, 3/ 4 X34 L , PVC

INSTALLATION ACCESSORIES

Code #	Description
E076010	Washer interface kit with POD alpha bus, only used for POD and washer hold
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: 1. 10 chemicals 2. Formula select above 8 formulas
093243	Installation kit , OPL, includes transformer 092066, water hose and power cord
059728	Bracket, trigger module
051666	Check valve, siphon breaker, optional
1202252	Cable converter, USB/RS232 for ManageNet (ILS/ILS MAX)



TR-7000 AC Trigger Module



FS-1600 Formula Select Module