

ILS OPL

On-Premise Laundry System



ILS OPL's innovative design literally pays for itself

Beta'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 lbs and 250 lbs. The ILS OPL uses less wall space and less tubing than single washer dispensers, making your installations look neat and professional. Installed on thousands of washers worldwide, it has a track record of performance and reliability.

Innovations

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



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 60 m (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.

Product Differentiation.

Specifications

| Size | Height | Width | Depth |
|------------------------|------------|-----------|-----------------|
| Pump Box | 330 13 | 580 22 | 280 mm 11 in |
| Auxiliary Pump Housing | 330 13 | 178 7 | 280 mm 11 in |
| Transformer* | 127 5.5 | 127 5 | 89 mm 5 4 in |

Weight

Pump Box (5 chemical pumps, 3 washers): 16.7 kg /36 lbs
 Auxiliary Pump Housing (1 chemical pump, 1 washer): 6 kg /13 lbs
 Transformer* : 3.4 kg /7.4 lbs

Ambient Operating Temperature

0°C to 50°C (32°F to 120°F)

Electrical Requirements

Pump Box: 24 VAC @ 5 amps
 Transformer*: 120 - 240VAC @ 50/60Hz
 24 VAC @ 6.25 amp
 *Dependent on type

Water Requirements: 5 ltr/min (1.3 gal/min)

Pumps

Chemical Metering

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

Maximum number: 8 Capacity: 0.6 ltr/min (20 oz/min)
 Flow data measured at 1 CPS and factory recommended installation

Transport

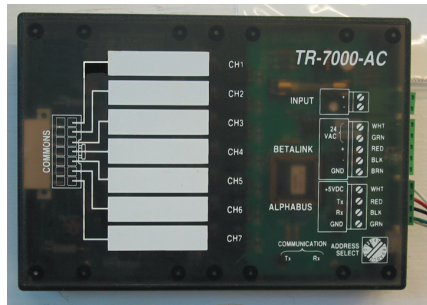
Diaphragm type (microprocessor controlled)
 Maximum number: 6
 Capacity: 2.0 ltr/min (3.4 bar max): 0.53 gal/min (50 PSI max)

Enclosure Material

Pump Box & Auxiliary Modules: Type 304 brushed stainless steel

Washer Modules

TR-7000 - AC Trigger Module: Molded plastic
 FS-1600 Formula Select Module: Molded plastic



TR-7000 AC Trigger Module

Special Features

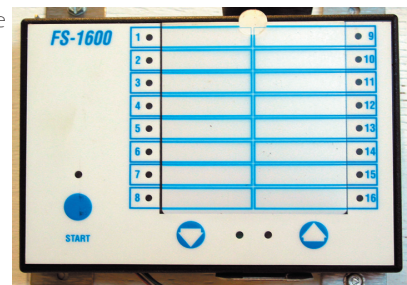
PC software allows for :

- Programming on-site or from anywhere in the world over a modem.
- Chemical cost reporting.
- Viewing detailed data for troubleshooting
- You to link data for all the laundry dispensers in the account, so the account can target problems and increase efficiency, saving money.

| # | Name | Shift 1 | | Shift 2 | | Shift 3 | | All Shifts | |
|---------------------|------------------|------------------|-----------|-----------------|---------|-----------------|---------|------------------|-----------|
| | | Amount | Cost | Amount | Cost | Amount | Cost | Amount | Cost |
| 1 | Alkalai | 666.06 | \$1931.57 | 9.39 | \$27.22 | 15.80 | \$45.81 | 691.24 | \$2004.61 |
| 2 | Detergent | 184.53 | \$1413.51 | 2.55 | \$19.52 | 4.96 | \$38.02 | 192.04 | \$1471.04 |
| 3 | Bleach | 300.52 | \$297.51 | 4.64 | \$4.59 | 4.61 | \$4.57 | 309.76 | \$306.67 |
| 4 | Fabric Softener | 40.05 | \$183.44 | 0.58 | \$2.67 | 0.89 | \$4.06 | 41.52 | \$190.17 |
| 5 | Sour | 27.75 | \$90.17 | 0.55 | \$1.80 | 0.35 | \$1.13 | 28.65 | \$93.11 |
| 7 | Starch | 282.02 | \$2608.72 | 4.24 | \$39.23 | 9.14 | \$84.56 | 295.41 | \$2732.52 |
| 8 | Anti Static Agnt | 20.05 | \$464.16 | 0.34 | \$7.92 | 0.48 | \$11.20 | 20.88 | \$463.27 |
| Total Costs: | | \$6899.06 | | \$182.95 | | \$189.36 | | \$7281.39 | |

*Amount is measured in Gallons

FS-1600 Formula Select Module



Ordering Information

System Components

| Unit Description | Code # |
|---|---------|
| Pump Box, ILS OPL | 1207746 |
| TR-7000 AC Trigger Module Kit | 093600 |
| FS-1600 Formula Select Module (Optional) | 091869 |
| Transport Tubing (3/8" O.D. Polyethylene, 100') | 017425 |
| Suction Hose (1/2" Nylon Reinforced PVC 50' Roll) | 092356 |
| Suction Hose (1/2" Nylon Reinforced PVC 200' Roll) | 092357 |
| Betalink Cable (5 Conductor, shielded) | 094479 |
| Standpipe Assembly | 093624 |
| Auxiliary Pump Housing (No Pump) | 093245 |
| Auxiliary Chemical Pump Kit | 093116 |
| Auxiliary Transport Pump Kit | 097040 |
| Transformer (US) 120V/240V - 24V @ 150VA | 092066 |
| Transformer (CE) 230V - 24V @ 150VA | 067260 |

Spares

| Unit Description | Code # |
|---|--------|
| PCB, ILS OPL, MK3 | 096908 |
| LCD Display (w/Cable) | 093734 |
| TR7000-AC Trigger Module Only | 093126 |
| Chemical Pump Cartridge, Silicone Tube (Includes Pump Tube) | 093489 |
| Pump Tube (Silicone) | 056921 |
| Pump Head Kit, 3 Viton Valve (Mk3 Version, Includes Valve Kit) | 096802 |

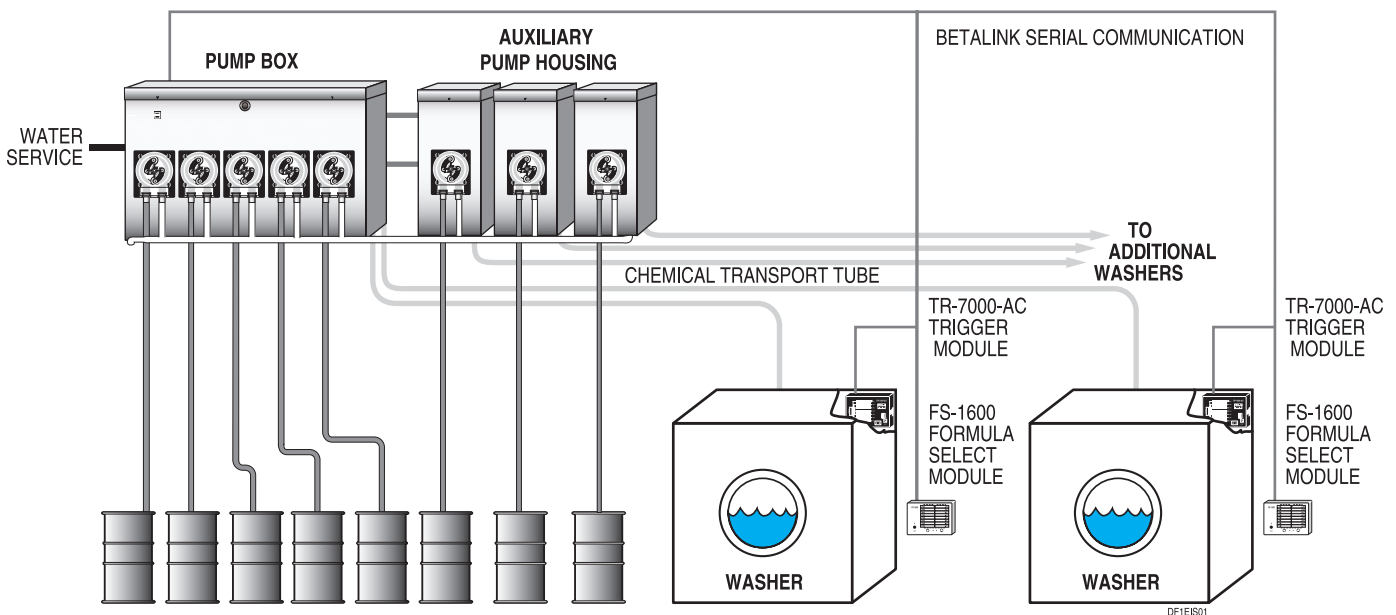
Spares (continued)

| Unit Description | Code # |
|--|--------|
| Valve Repair Kit for Transport Pump Head | 096803 |
| Proof of Flow Cell | 099905 |
| Seals for POF/POD Cell (Pkg 10) | 067530 |
| Solenoid Valve | 099309 |
| Float Switch | 042595 |
| Manifold Strainer (Filter Assembly) | 096093 |
| Strainer Element, 20 Mesh | 096177 |
| Spare Key | 043533 |
| Pump Insert, Barbed Fitting | 093492 |
| Circuit Breaker, 5A | 091972 |
| Diaphragm Pump, 3", Viton Valve | 096800 |
| Aerator | 097073 |
| Foot Valve & Strainer (Break Tank) | 027580 |
| Flow Regulator, 3 GPM | 091016 |
| Fitting, Elbow, 3/8" MPT x 3/8" Tube | 091974 |
| Fitting, Tee, 3/8" MPT x 3/8" Barb | 091505 |
| Fitting, Elbow, 1/2" MPT x 3/8" Barb | 091502 |
| Fitting, Straight, 1/2" MPT x 3/8" Barb | 091501 |
| Fitting, Tee, 3/8" Barb | 091506 |

Code numbers may vary from earlier units. For more information on system components, spares, and other pump tube materials, please contact Beta Technology Customer Service.

Note: Design and specifications are subject to change without prior notice.

Note: ILS OPL is only available for shipment and installation in the U.S.A.



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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.