Unitech® 2

The Next Generation in Laundry and Warewash Chemical Dispensing

Unitech 2 is simply the most innovative system to hit the Laundry and Warewash market in years. It is a system that can be easily configured to excel in either markets by changing a single chip. Its advanced electronics allows easy additions and modular configurations that will fulfill your facility's needs while reducing unnecessary duplicate cost and inventory.

LAUNDRY   2-in-1   WAREWASH

- **Unique "Smart Bus" technology allows easy additions** of devices such as pumps, valves, and probes by simply snapping them on
- Converting from **Warewash to Laundry is as easy as changing one chip**
- Intuitive user interface and **digital programming menu in multiple languages**
- Easy to service control panel needs **no tools for wiring or changing out the control board**
- Having a common dispenser for Laundry and Warewash **reduces training costs, installation times, and inventory costs**
- Reliable Knight peristaltic pumps with **flow rates up to 34oz/min (1000ml/min)**
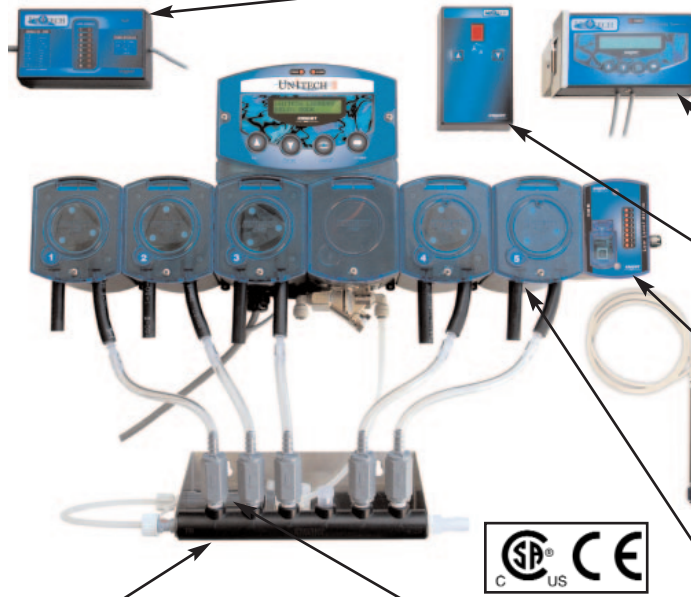- **Laundry data management reports** allows you to control your chemical and labor costs.

LAUNDRY & WAREWASH SYSTEMS

UNITECH®2 LAUNDRY

Modular capability allows the Unitech 2 to fulfill the varied needs of your laundry facilities.   Unitech 2 operates in signal, drain, and relay mode but can be scaled to become a data management system. Simply select additional pumps, remote control options, manifolds, alarms, or other peripherals to fit your facility needs.

Programming Options
- Secure password protection
- Load counter
- Programmable signal/pump assignment
- Auto formula select
- Digital pump calibration
- Multiple chemical levels
- Programmable system lockout
- Flush mode function
- Signal, drain, relay mode
- Language selection
- Flush flow alarm (option)
- Calibrate mode (volume or time)
- Unit of Measurement (Metric, Imperial, U.S.)

SIB *(Signal Interface Board)*
The SIB converts the high voltage signals from the washer to a low voltage signal to the main unit.

Remote Control Options
- **URP -** *Unitech Remote Programmer has a 20 formula & system programming capability*
- **UFS -** *Unitech Formula Selector has a 8 formula capability*

Low Level Alarm
Monitors supply levels of your liquid chemistry. Accepts up to 8 probes
DMM
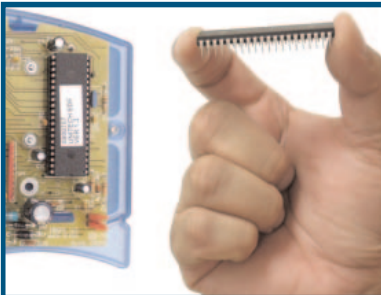*Data Management Module allows you to view detailed washing reports on your PC*

Manifold
The Flush Manifold prevents washer corrosion and fabric chemical burn. As an added precaution, built-in check valves prevent cross-contamination of chemicals

Flow Switch Operation
Detects the flow of water through the manifold to ensure chemical dilution delivery

Peristaltic Pump
Unitech 2 operates 2 to 8 pumps. Up to 6 pumps can be added to the base unit. (8oz, 16oz, 34oz)/min (240ml, 480ml, 1000ml)/min

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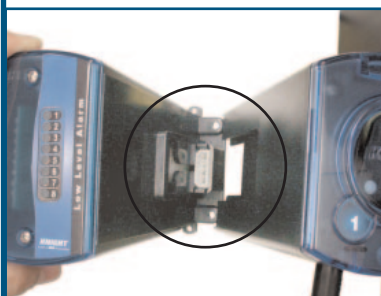## Features and Benefits

Laundry and Warewash

It is as Simple as Switching One Chip
Converting Unitech 2 from Warewash to Laundry operation and back is as simple as changing one chip on the main board! Now you have the same dispenser doing a different function. This incredible feature can save you untold inventory dollars, training costs, spare parts costs and warehouse space.

Modular configuration
Unitech 2's modularity will allow you to easily customize the dispenser by adding pumps, valves, probes, and other peripherals to adapt to your customer's specific and varied needs.

Plug-N-Play with "Smart Bus" Technology
Unitech 2's unique **"Smart Bus"** allows peripheral devices to be instantly identified by the main control board without hard wiring or special programming. To add a pump, simply snap it on the network and Unitech 2 does the rest!

Intuitive, Multi-lingual Digital Menu
Intuitive user interface and digital programming menu in multiple languages (English, Spanish, German, Italian, Dutch, and French)

Scalable Electronics
Unitech 2 Laundry electronic capability is scalable from simple relay dispenser all the way up to a data management system that gives detailed data reports that can be viewed on your PC.

Data Management
The Data Management Module (DMM) allows you to view and track your washing reports on your PC. The management reports will allow you to track chemical usage, washer cycle times, washer formula, costs per lbs./kilos, and more.
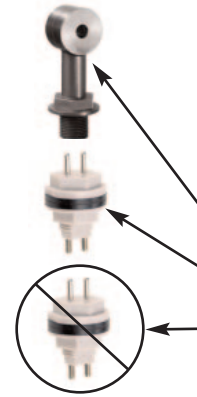
Wash Cycle Tracking US (Ounces)

Date	Start	Finish	CT	FM	PUMP 01
09/20/2006	06:18:06	06:43:05	25	7	0.0
09/20/2006	07:06:37	07:35:25	29	7	0.0
09/20/2006	08:10:03	08:48:28	38	19	28.0
09/20/2006	09:02:14	09:58:38	56	19	28.0
09/20/2006	10:51:06	11:29:52	39	19	28.0
09/20/2006	12:08:38	12:37:13	29	7	0.0
09/20/2006	12:55:24	14:26:28	91	7	0.0
09/20/2006	14:55:00	15:23:06	28	7	0.0
09/20/2006	15:40:05	16:03:29	23	3	0.0
09/20/2006	16:27:38	16:56:48	29	7	0.0
09/20/2006	18:05:53	18:33:23	28	7	0.0
09/20/2006	18:49:31	19:12:33	23	7	0.0
09/20/2006	19:38:53	20:08:32	30	7	0.0
09/20/2006	20:38:28	21:05:50	27	7	0.0
09/20/2006	21:54:24	22:16:48	22	3	0.0
09/20/2006	22:45:57	23:13:28	28	7	0.0

UNITECH®2 WAREWASH

Unitech 2 Warewash operates with two or three pump configuration. With the various options, Unitech 2 can be configured to be probe/probeless, liquid/dry detergent feed, and door/conveyor operation.

Programming Features
- Secure password protection
- Rack counter
- Superior "smart sense" detergent concentration control technology
- Delime function
- External rinse and sanitizer prime
- Door or conveyer operation
- Precise rinse and sanitizer pump speed control
- Language selection
- Rinse delay
- Rinse limit
- Probe or probeless
- Alarm delay and feed limit
- Detergent type (liquid or dry)

Probe or Probeless
Unitech is the first dispenser of its type to automatically detect and accept both an inductive probe, conductive probe, or probeless mode.
- **Inductive probe** - reliable in the harshest conditions
- **Conductive probe** - used in normal conditions.
- Unitech will also work in a **probeless mode**.

Regulations
Meets CSA, CE, and AS/NZS standards for electrical safety and moisture protection.

Rinse Flow Rates
15 RPM Pump:
.1 oz/min - 1.0 oz/min
(3 - 30 ml/min)

Brass Solenoid
For dry/solid detergent
--OR--
Detergent Flow Rates
100 RPM Pump:
8 oz/min (240 ml/min)
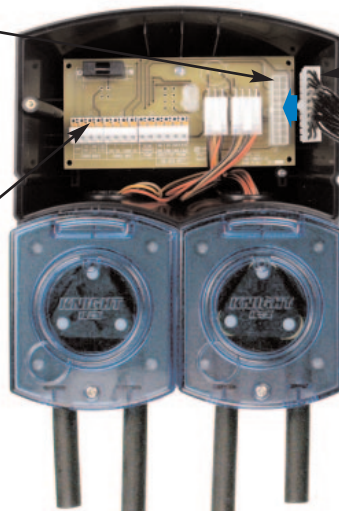**200 RPM Pump:**
16 oz/min (480 ml/min)

Sanitizer Flow Rates
15 RPM Pump:
.1 oz/min - 1.0 oz/min
(3 - 30 ml/min)
40 RPM Pump:
.3 oz/min - 2.7 oz/min
(10 - 80 ml/min)

Easy to Service Control Panel   Laundry and Warewash

Signal interface board
Power signal interface board simplifies assembly.
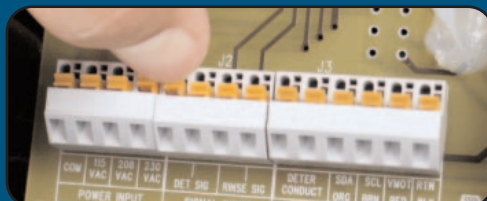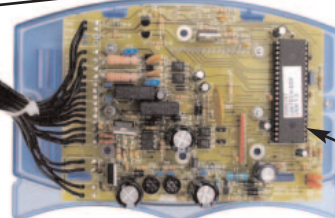- Reduces servicing and installation time

Quick Release Blocks
Reduces installation and servicing time.
(see below)

"Plug & Play" Connector
Single "Plug & Play" connector simplifies control board change over.
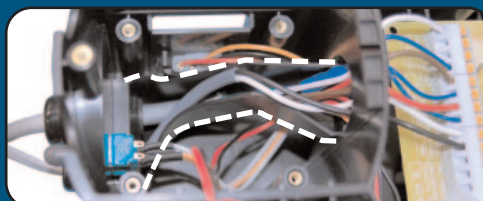- Reduces service time

Laundry/Warewash Chip
Switching from Laundry to Warewash is as simple as changing one chip.

Easy Service Access
Removable, hingeless cover allows easy access to system for installation and servicing.

Wiring with No Tools
Terminal block does not need tools for wiring. Quick release blocks allows you to press down and simply slide the wires in.

Cable Guide
The cable guide makes it easy to guide the electrical wiring to the signal interface board, reducing installation time.

Ease of Integration
To upgrade from Unitech to Unitech 2, simply use the adapter to connect the Unitech 2 control board with the Unitech signal interface board.

ORDERING INFORMATION

Unitech® 2 Laundry System

Features Include: Plastic injection molded water tight case with standard Unitech 2 main control board for two to eight pump operation. Laundry version has eight formula function w/o remote (or with formula selector) or twenty formulas with a remote programmer, signal, drain and relay mode operation with washer signal interface module (SIB). Build your complete system configuration by selecting the options below. Units will ship assembled.

MODEL	PART NO.	DESCRIPTION
UT-502LX	7164050	Base Unit - Unitech 2 Two Product Laundry Dispenser w/o Flush w/o Pumps (115/208/230 VAC 50/60 Hz). Includes SIB.
Unitech 2 Two Product Laundry Base System		
KP-5100XB	N/A	100 RPM Pump 8oz. (240 ml) Min
KP-5200XB	N/A	200 RPM Pump 16oz. (480 ml) Min
FSV	N/A	Brass Flush Solenoid Valve w/mounting plate for laundry applications
Transformers		
	7164224	Standard Transformer
	7164226	Transformer (Euro Versions)
Unitech 2 Laundry Satellite Pump Options		
KP-5100XR	7164030-R	100 RPM Right Satellite Pump Module 8 oz (240 ml) Min.
KP-5100XL	7164030-L	100 RPM Left Satellite Pump Module 8 oz (240 ml) Min.
P-5200XR	7164031-R	200 RPM Right Satellite Pump Module16 oz (480 ml) Min.
KP-5200XL	7164031-L	200 RPM Left Satellite Pump Module16 oz (480 ml) Min.
KP-8100XR	7164035-R	100 RPM Right Satellite Pump Module 34 oz (1000 ml) Min.
KP-8100XL	7164035-L	100 RPM Left Satellite Pump Module 34 oz (1000 ml) Min.
Unitech 2 Remote Control Options		
UFS-25	7656120-25	Formula Selector w/ 25ft. (8 m) Cable
URP-25	7678000-25	Remote Programmer / Formula Selector w/ 25ft. (8 m) Cable
Unitech 2 Flush Manifolds		
UFM-4	7164100	Unitech 2 Four Port Flush Manifold w/ check valves and stainless steel mounting bracket
UFM-6	7164110	Untitech 2 Six Port Flush Manifold w/ check valves and stainless steel mounting bracket
UFES	7164105	Flow Switch w/Fittings
Unitech 2 Low Level Alarm		
ULLA	7164033	Unitech Low Level Alarm Module
	7110127	Float Switch 8.8, w/o bell (9″ (23cm) PVC support tube with float sensor, 10′ (3m) of vinyl cable with fittings)
	7110126	Float Switch 18, w/o bell (18″ (46cm) PVC support tube with float sensor, 25′ (7.6m) of vinyl cable with fittings)
	7110129	Float Switch 38, w/o bell (38″ (97cm) PVC support tube with float sensor, 25′ (7.6m) of vinyl cable with fittings)

Unitech® 2 Warewash System

Features Include: Plastic injection molded water tight case with standard Unitech main control board for two or three pump operation. Warewash version has probe/probeless capability, liquid/dry detergent feed, and door/conveyor operation by selecting the options below. Units will ship assembled. Build your complete system configuration.

MODEL	PART NO.	DESCRIPTION
UT 502WX	7164000	Base unit - Unitech 2 two product warewash dispenser w/one transformer w/o pumps, w/o solenoid. (115/208/230 VAC) 50/60 Hz
Unitech 2 Two Product Warewash Base System		
KP-515XB	N/A	15 RPM Rinse Pump 0.1-1.02 (3-30 ml) min. -w/T-53E or T-51E
KP-5100XB	N/A	100 RPM Detergent Pump 8oz. (240 ml) min.
KP-5200XB	N/A	200 RPM Detergent Pump 16oz. (480 ml) min.
BSV	N/A	Brass Solenoid Valve Assembly w/Mounting Plate
Unitech 2 Warewash Satellite Pump Options		
	7164040	15 RPM Sanitizer Pump Module 0.1-1 oz. (3-30 ml)/min.
	7164032	40 RPM De-stainer pump 0.3-2.7 oz. (10-80 ml)/min.
Unitech 2 Options for Warewash		
	1600698	Inductive Probe with 25' cable length
	7117100-07	Sanitizer Alarm System
	9600791	Factory Installed Seven Conductor Cable (15 ft) with 1/2" Conduit Connector