



CHEM-TRAK

Laundry Chemical Allocation System

This multi-washer laundry chemical allocation system controls chemical dispensing for up to 6 washers with data management reports. Chem-Trak's automatic calibration system help ensure optimal efficiency and improved wash quality.



LAUNDRY SYSTEMS

- 99 formulas per washer and 12 different chemical products with 4 different flow rates: 23, 40, 155, and 236 oz/min (681 mL, 1148 mL, 4588 mL, 6600mL/min)
- Chem-Trak uses non-invasive chemical measurement to provide proof of flow and proof of delivery
- Programmable automatic calibration system self-calibrates Chem-Trak's peristaltic pumps
- Chem-Trak provides detailed management reports
- Easy menu driven programming with user interfaces at each washer

KNIGHT

IBEX
FLUID & METERING

Large laundry facilities have differences in clientele and day-to-day business operation, but their core business needs are the same: **improve wash quality and optimize efficiency.** Many multi-washer chemical allocation systems have claimed to improve wash quality, but only Knight's new Chem-Trak® can accomplish both. For Chem-Trak users, this means better customer satisfaction, maximum productivity, higher operating margins and lower cost of ownership.

Improve Wash Quality

Chem-Trak uses reliable peristaltic and air-operated pumps in tandem to deliver the most accurate doses of liquid laundry chemicals to multiple washer extractors. Chem-Trak's exclusive programmable automatic calibration system keeps watch over the pumps, measures and adjusts chemical flow in response to changes in chemical and squeeze tube properties; thereby, effectively ensuring consistent, accurate chemical dosage to the washer for the life of the Chem-Trak system.

Maximum Efficiency

Chem-Trak is the most efficient multi-washer chemical allocation system in today's market. Unlike other multi-washer systems, Chem-Trak is the only one that can deliver multiple chemical products, all at one time, to the washer. And because Chem-Trak only calibrates at programmed intervals, it dramatically reduces washer hold time! This is fantastic news for chemical suppliers and laundry facilities that need to get cleaner, more cost effective wash loads.



Stand-Mount Chem-Trak
Front View

Chemical Request Server (CRS)

- Easy to use, menu-driven programming
- 24 x 4 character LCD Screen
- LISTS current chemical requests and the last two completed requests
- Displays all programming menus



Chem-Trak User Interface (CUI)

- Dedicated Remote formula programmer / Formula Selector mounts to each washer
- 16 x 2 character LCD Screen
- Displays current wash request status
- Displays level system alarms/errors



Programmable Automatic Calibration System (Patent Pending)

- Automatically calibrates at pre-determined intervals between 10 and 255 injections
- adjusts chemical flow time to compensate for changes in chemical and squeeze tube properties
- proof of flow from non-invasive fluid sensors outlast flowmeter mechanisms



6 Washer, 12-Product Capable Laundry Chemical Allocation System



Stand-Mount Chem-Trak
Back View



Wall-Mount Chem-Trak Control Center

SIZE AND WEIGHT	
Stand-Mount Dimensions:	L60" x W42" x H72" 1.52M x 1.1M x 1.83M
Stand-Mount Total Weight:	~ 500 lbs / 226.8 kg
Wall-Mount Dimensions:	W48" x H40" / 1.2M x 1.0M
Wall-Mount Total Weight:	~ 115 lbs / 52.2 kg
UTILITIES REQUIREMENT	
Power Supply:	115 VAC, 1A, 230V 0.5A 50/60 Hz
Water Supply:	Ambient water temperature 32°-120° F. Do not exceed 120°F/40°C. Normal operating pressure 30-70 PSI.
Air Supply:	Normal operating pressure 70-100 PSI

Reliable Knight Peristaltic Pumps

- Deliver uninterrupted chemical injections
- Superior chemical draw accuracy
- 4 Pump Flow rates To Choose: 23, 40, 155, 226 oz/min
(681 ml/min, 1184 ml/min, 4588 ml/min, 6600 ml/min)
- Advanced squeeze tube management software provides warning for squeeze tube wear conditions



1/2" AIR OPERATED PUMPS

- Deliver fast and reliable chemical flush to the washers
- Minimal Pump Corrosion, Only Diluted Chemicals pass through Air operated pumps



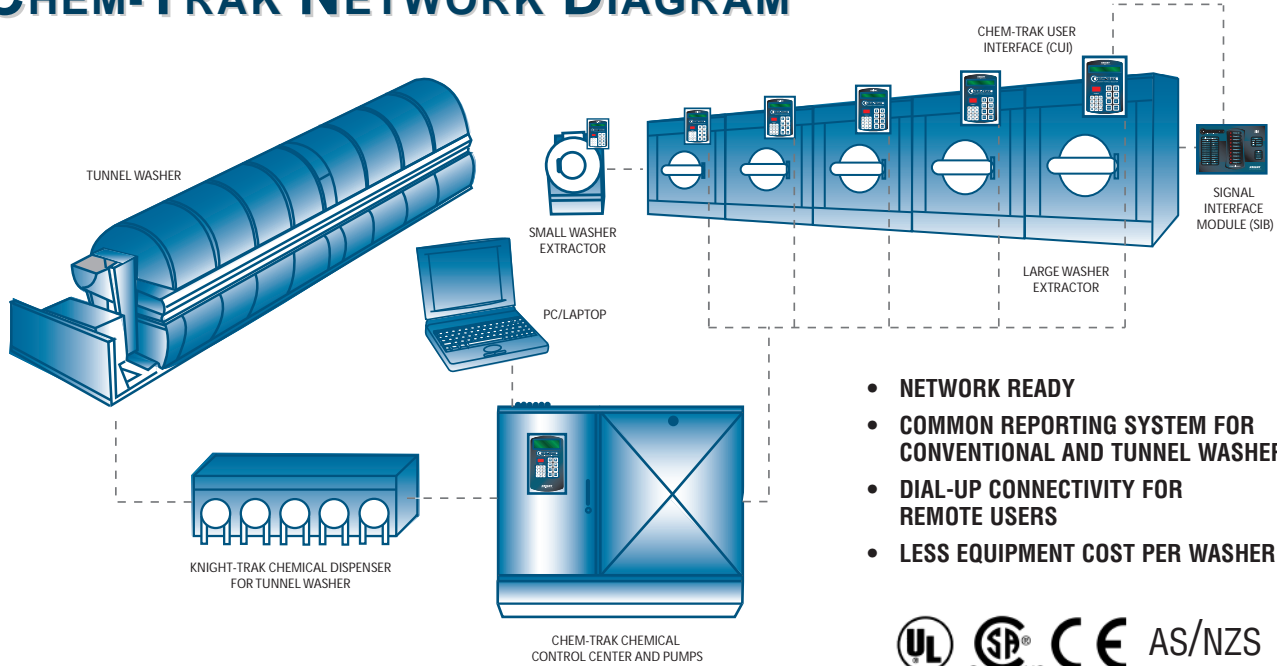
OPTIONAL MANAGEMENT REPORTS

- CRS Setup/Cycle Report details: Pump Flow rates, program settings, chemical delivery wait time and Error Descriptions
- CUI Setup/Summary/Cycle Report Details: chemical usage by product, shift, day, week, month and load, Washer cycle times and Proof of delivery errors

Washer: 5
125 POUNDS
Operating Zone:
Report Date From:

		PRODUCT USAGE					
		1st Shift		2nd Shift		3rd Shift	
Pump#	Product	Amount	Cost	Amount	Cost	Amount	Cost
1	BREAK	10.18	\$50.93	6.50	\$32.50	2.59	
2	SUDS	0.00	\$0.00	0.00	\$0.00	0.00	
3	BLEACH	2.89	\$11.44	2.34	\$9.28	0.78	
4	SOUR	1.71	\$11.46	0.90	\$6.04	0.38	

CHEM-TRAK NETWORK DIAGRAM



- NETWORK READY
- COMMON REPORTING SYSTEM FOR CONVENTIONAL AND TUNNEL WASHERS
- DIAL-UP CONNECTIVITY FOR REMOTE USERS
- LESS EQUIPMENT COST PER WASHER



ORDERING INFORMATION

CHEM-TRAK MULTI-WASHER ALLOCATION SYSTEM

CHEM-TRAK (COMPLETE SYSTEMS INCLUDE: CHEM REQ. SERVER, USER INTERFACE, SIB, TRANSFER PUMPS, TRANSFER PUMP BRACKET, WATER TANK. STAND IS OPTIONAL)

Part Number	Description
7667000	Six Washer Chemical Request Server w/ Power Supply
7656000100	User Interface w/100' Cable
7656000300	User Interface w/300' Cable
7656000500	User Interface w/500' Cable
7656010	SIB Washer Signal/Hold Interface w/ One Contact
7112102	Strobe Alarm, POD/Low Level
7112131	Strobe Alarm, Squeeze Tube
7656020	Four Contact Washer Hold Module
8507741	Washer Transfer Air Operated Pump 12 GPM
7225310	Transfer Pump Bracket for Three Pumps
7129026	Transfer Pump Water Tank (11 Gal.)w/ Float
7659712	ChemTrak Double Sided Stand w/ Crating
7664202	Check Valve Assy., 3/4" EPDM (White). Price Included in 7667000
7664203	Check Valve Assy., 3/4" EPDM (Black). Price Included in 7667000
1600351	Poly Plug, 1/2" for Unused Manifold Ports. Price Included in 7667000

PERISTALTIC CHEMICAL METERING PUMPS (SELECT APPROPRIATE PUMP FLOW RATE AND # OF PUMPS PER SYSTEM)

Add (-01) to Part Number for 115 VAC 60 Hz., Add (-02) to Part Number for 230 VAC 60 Hz. Add (-03) to Part Number for 230 Volt 50 Hz.

Part Number	Description
8507752	KP-8120AX,800 Series Pump, 120 RPM, (23 oz/min.) (681 ml/min.) For 800 Series Case Mount
8600110	KP-8120AXP, 800 Series Pump, 120 RPM, (23 oz/min.) (681 ml/min.) w/Quick Change Panel - 900 Case
8507754	KP-8120BX, 800 Series Pump, 120 RPM, (40 oz/min.) (1184 ml/min.) For 800 Series Case Mount
8600115	KP-8120BXP, 800 Series Pump, 120 RPM, (40 oz/min.) (1184 ml/min.) without case, w/Quick Change Panel - 900 Case
8600116	KP-9130XP, 900 Series Pump, 130 RPM, (155 oz/min.) (4588 ml/min.) without case, w/Quick Change Panel - 900 Case
8600126	KP-9270XP, 900 Series Pump, 270 RPM, (226 oz/min.) (6690 ml/min.) without case, w/Quick Change Panel - 900 Case

PRODUCTIVITY MANAGEMENT SOFTWARE
(INCLUDES PC SOFTWARE, KCI-6000, NETWORK CABLE, SERIAL CABLE AND POWER SUPPLY)

Part Number	Description
7655040	WinReporter Version 3.2 Software/Hardware Package

PERISTALTIC PUMP CONTROL BOARDS
(SELECT POB TO FIT NUMBER OF PERISTALTIC PUMPS ON SYSTEM. 11-12 CHEMICALS REQUIRES TWO POB'S)

Part Number	Description
7146010	POB-6010, For 10 Pumps, w/ Flush
7146007	POB-6006, For 6 Pumps, w/ Flush

FABRICATED STAINLESS STEEL CASES/COVERS

(PLEASE REFER TO PRICE LIST FOR A COMPLETE SELECTION OF CASES, COVERS AND SHIELDS)

Part Number	Description
7649803	MPL-500/800 Series 3 Pump Case & Cover Assembly w/Lock
7649804	MPL-500/800 Series 4 Pump Case & Cover Assembly w/Lock
7649805	MPL-500/800 Series 5 Pump Case & Cover Assembly w/Lock
7649806	MPL-500/800 Series 6 Pump Case & Cover Assembly w/Lock
7649808	MPL-500/800 Series 8 Pump Case & Cover Assembly w/Lock
1900745	MPL-500/800 Stainless Steel Cover Plate for Case

KNIGHT LIMITED WARRANTY

Knight controls and pump systems are warranted against defects in material and workmanship for a period of ONE YEAR. All Electronic Control Boards have a TWO YEAR warranty. Warranty applies only to the replacement or repair of such parts when returned to the factory with a KRA number, freight prepaid and found to be defective upon factory inspection. Rubber and synthetic rubber parts such as "O" rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. Warranty does not cover liability resulting from performance of this equipment nor the labor to replace this equipment. Product abuse or misuse voids warranty. Knight products are not for use in potentially explosive environments. Any use of our equipment in such an environment is at the risk of the user. Knight does not accept any liability in such circumstances.

KNIGHT DISCLAIMER

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