



MULTI-WASHER CHEMICAL ALLOCATION  
SYSTEM FOR COMMERCIAL LAUNDRY



**KNIGHT**  
**IDEX**



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 and Back Views

*simplicity is what you  
reliability*



Wall-Mount Chem-Trak Control Center

Stand-Mount Dimensions:  
Stand-Mount Total Width:  
Wall-Mount Dimensions:  
Wall-Mount Total Width:

Power Supply:  
Water Supply:

Air Supply:

# 6-WASHER, 12-PRODUCT CAPABLE LAUNDRY CHEMICAL ALLOCATION SYSTEM



**SEE,**  
**is what you GET**

## 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



## RELIABLE KNIGHT PERISTALTIC PUMPS

- DELIVER UNINTERRUPTED CHEMICAL INJECTIONS
- SUPERIOR CHEMICAL DRAW ACCURACY
- 4 PUMP FLOW RATES TO CHOOSE: 23, 40, 130, 270 OZ/MIN (681 mL/MIN, 1184 mL/MIN, 4588 mL/MIN, 6690 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		
Pump#	Product	1st Am out
1	BREAK	10.1
2	SUDS	0.0

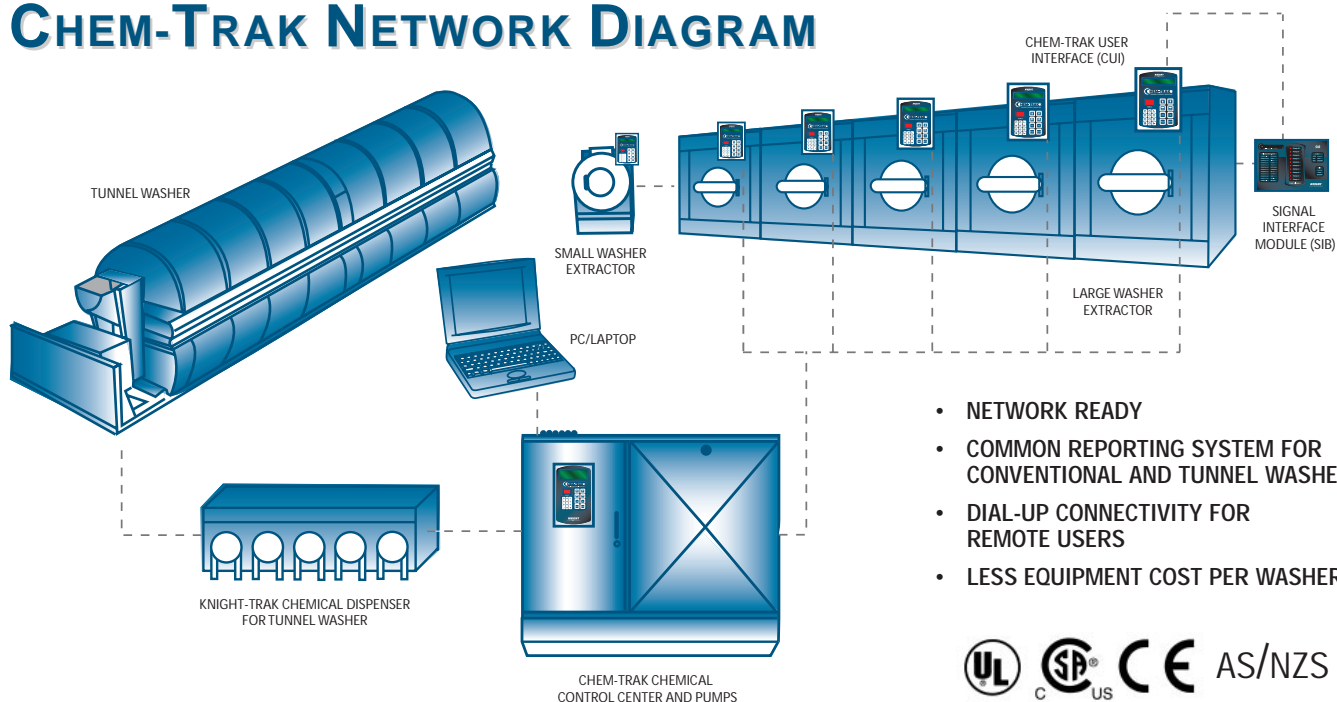
## SIZE AND WEIGHT

Dimensions:	L60" x W42" x H72" / 1.52M x 1.1M x 1.83M
Weight:	~ 500 lbs / 226.8 kg
Dimensions:	W48" x H40" / 1.2M x 1.0M
Weight:	~ 115 lbs / 52.2 kg

## UTILITIES REQUIREMENT

115 VAC, 1A, 230V 0.5A 50/60 Hz
Ambient water temperature 32°-120° F. Do not exceed 120°F/40°C. Normal operating pressure 30-70 PSI.
Normal operating pressure 70-100 PSI

# 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

Knights 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.

### DISTRIBUTOR



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