





WAREWASH DISPENSERS



SOLID DETERGENT



SINK DISPENSERS



GREASE TRAPS, DRAINS, AND ODOR CONTROL



STORAGE RACKS



Welcome to KNIGHT

Knight LLC, a unit of IDEX Corporation, is renowned for its expertise in highly engineered fluidics systems, and components. We strive for Innovation, Diversity, and Excellence.

Founded in 1972 by William Knight Russell, Knight has built a long-standing history as a pioneer in chemical dispensing systems. Our company takes pride in its reputation for dependable products, and superior service among customers worldwide. As a manufacturer with in-house engineering, stainless steel fabrication, and assembly capabilities, we can custom build our products to fit the customer's precise needs.

What's the "Knight Advantage"? We attribute that success to our knowledgeable people, 1st Class Customer Service and Quality Products that enable our customers to achieve an extremely low Total Cost of Ownership with our equipment. Come experience the "Knight Advantage" for yourself - we look forward to serving you!

Kitchen / Warewash Chemical Dispensing Systems

Knight's warewash dispensing systems offers the highest level of flexibility and control for meeting a variety of customer requirements in places such as hospitality, institutional facilities, restaurants, supermarkets, and other environments.

Warewash Dispenser

UMP Digital with Inductive Probe UMP Hospitality UMP Analog Micro-Pro II Mini-Pro

Solid Detergent

Power Bowl Ultra Solid Rinse Bowl

Sink / Pre-Soak Dispenser

Sink Mate Hospitality Sink Mate Sink Bowl Faucent Sink Adapter

Grease Traps, Drains, and Odor Control

Pro-Watch Pro-Watch Misting

Other Knight Product Lines

Laundry Chemical Dispensing Systems Chemical Proportioning Systems Dishwashing Machines Food and Beverage Chemical Application Dairy Farm Cleaning & Sanitation Systems

UMP DIGITAL ** with Inductive Probe capability

The UMP Digital is a state of the art warewash chemical feed and control system for commercial dishwashing machines that has a well proven history of durability and reliability. This next generation of UMP Digital offers Inductive Probe capability, allowing the UMP Digital to operate in probe mode with increased reliability and accuracy without issues due to hard water or corrosive chemicals. You can dramatically reduce service time and offer accurate control for bottom line cost savings.



- Easy to program digital menu with precise and accurate digital settings
- Numeric variable speed, rinse limit, rinse delay, and alarm delay
- Durable compact case design for two and three products
- Probeless or Probe mode
- · Conductive probe or optional inductive probe
- Proven, long life pump motors and squeeze tubes
- · Option of plastic or brass solenoids for dry detergent
- · Multi-lingual menu: English, Spanish, French, German, Dutch, or Italian







UMP Digital

The UMP Digital is built to save you money, while offering a complete array of easy to use features and options to fit every commercial dishmachine. With comprehensive set of programming features and multiple options for probes, solenoids, and warewash dispenser configurations, the UMP Digital is equipped to handle your warewash needs, whether it is probe or probeless, door or conveyor, dry or liquid detergent, and hi-temp or low temperature dishmachines. The digital programming menus and push button calibration offer quick set-up for chemical, timer, and other controlled functions and features. The intuitive user interface and the large, glowing digital text allows for simple and fast programming. The UMP Digital is designed to reduce service time and offer accurate control for bottom line cost savings.

Programming Features

1	UMP Digital					
Mode	Probe	Mode	Probeless Mode			
Dishmachine Type	Door	Conveyor	Door	Conveyor		
Rinse Speed	0 -100%	0 -100%	0 -100%	0 -100%		
Sanitizer Speed	0 -100%	0 -100%	0 -100%	0 -100%		
Rinse Limit	0 - 30s		0 - 30s			
Rinse Delay	0 - 14s		0 - 14s			
Initial Charge			0 - 150s	0 - 128s		
Recharge			0 - 30s	0 - 20s		
Recharge After N Racks			1 - 20	1 - 20		
Concentration	0 - 199K	0 - 199K				
Alarm Delay	0 - 512s	0 - 512s	0 - 512s	0 - 512s		
Password	4 Digit	4 Digit	4 Digit	4 Digit		
Languages	•	•	•	•		
Reset Rack Count	•	•	•	•		
Low Level Alarm	•	•	•	•		
Concentration Alarm	•	•				
Rack Time		0-30s		0-30s		
Initial Charge Repeat			•			
Water Change Count	0-999	0-999	0-999	0-999		
Detergent Pulse %	10-90%	10-90%				
Detergent Pulse Rate	3-15	3-15				
Conductive Probe	•	•				
Inductive Probe	•	•				
Rack Count	•	•	•	•		
Delime Mode (Descale)	•	•	•	•		
Initial Charge Count			•	•		
Reset Initial Charge Count			•			

What's New

The UMP Digital has made some programming additions to make it easier for the installer to accurately dial into the correct setting and achieve optimal titration and concentration. These new additions and factory default settings are designed to reduce the chance of over dispensing chemical and consistently keep proper chemical concentrations.

- The addition of inductive probe capability allows the opportunity at accounts that have tough conditions to achieve consistent and accurate readings
 - Inductive or conductive probe menu option
- Liquid and dry detergent units will have different factory default settings to give the installer a good general pre-set starting point
 - Liquid detergent dispensers—Pulse per cent 85 and detergent pulse rate 3
 - Dry detergent dispensers—Pulse percent
 50 and detergent pulse rate
- Increased detergent concentration range making it easier to dial into the correct titration/concentration
 - Detergent concentration select range from 0-199
- Shorter burst of chemical to reduce opportunity for over shooting desired titration/concentration
 - Detergent on time in pulse mode from 3 seconds to 1 second

Specifications







UMP Digital 300L 3 Product

4	UMP 2 Product	UMP 3 Product
Size	W 8.75" x H 7.5"x D 5" (W 22 cm x H 19 cm x D 13 cm)	W 9" x H 8" x D 5" (W 23 cm x H 20 cm x D 13 cm)
Power	120, 208, 240 VAC, 50/60 Hz	120, 208, 240 VAC, 50/60 Hz
Rinse Flow Rate	.1 oz/min - 1.5 oz/min (3-45 ml/min)	.1 oz/min - 1.5 oz/min (3-45 ml/min)
Detergent Flow Rates	8 oz/min (230 ml/min)	8 oz/min (230 ml/min)
Sanitizer Flow Rates		.2 oz/min - 3.0 oz/min (6-90 ml/min)



Inductive Probe





Inductive Probe

Conductive Probe

Inductive Probe Advantages

- · Accurate detergent concentration readings
- Built in temperature compensation for accurate and consistent conductivity readings
- Unaffected by soiled water conditions
- Unaffected by hard water scaling
- No worries of corrosion
- · Does not need to be cleaned
- · Less maintenance and servicing

Inductive Probes read chemical concentration levels by casting a magnetic field from two charged coils that is encapsulated in PVC. This allows Inductive Probes to provide consistently accurate and reliable chemical concentration without the worries of failure or undue service calls due to hard water scaling or galvanic corrosion. Inductive Probes also have a built in temperature sensor that allows the probe to always have consistent conductivity readings even if the wash tank temperature fluctuates, ensuring there is no over or underfeeding of chemical.

Conditions where an Inductive Probe is recommended

- · Extreme hard water conditions
- Inconsistent temperature in the wash tank
- · Heavily soiled conditions
- Heavily oiled or greasy conditions
- Kitchens where the wash tank is not drained as often as often as they should

Solenoid options for Dry Detergent





Plastic Solenoid

Brass Solenoid

Knight offers either a plastic or brass solenoid to work with dry detergents. The new rugged and economical plastic solenoid is resistant to chemical corrosion and offers toolless screen filter servicing.



The Power Bowl Ultra can be used in conjunction with the UMP Digital to dispense dry detergents. The Power Bowl Ultra feature a screen center spay jet that evenly and efficiently dissolves solid chemicals to minimize product waste and provide more efficient chemical consumption. This bowl feeder is well suited for warewash applications where reliability and cost efficiency is a must.

Power Bowl Features

- Integral anti-clog screen
- Efficient spray nozzle design
- Rugged plastic design
- Reliable, safe water inlet valve
- · Plastic or brass vacuum breaker



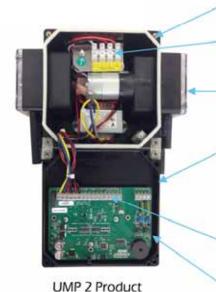
Low Level Sensor Probe

In a cost sensitive kitchen environment, the economically priced low level sensor probe allows you to alert the kitchen when the chemical product is running low, ensuring that a consistent supply of chemical is dispensed to the dishmachine. This is extremely helpful with sanitizers to avoid violations of health codes or when you operate with liquid products in probeless mode. The professional and clean probe acts as both a sensor and a suction probe, reducing the number items you have to install into the chemical container.

- 20" (500 mm) probe length,
- Suitable for 5 gal, 10L, 25L containers



Internal Components



Compact, water resistant case design

Simplified power inputs (120, 208, or 240 VAC 50/60 Hz)

Proven standard Knight pump/tubes/ motors/face plates

Fold down front pump panel for ease of service

Removable barrier strips for quick and easy service of circuit board

Inputs for inductive probe or conductive probe, alarm, and low level sensor

2 year warranty on electronic control board



UMP 3 Product

ORDERING INFORMATION

UMP Digital

Notes: UMP Digital includes water resistant plastic case with transformer (120, 208, 240 VAC, 50/60 Hz) and accessory kit (conductive probe, check valve, bulkhead ell, jumper, poly suction line, and pick-up tube). Option of .1-1.5 oz/min (3-45 ml/min) rinse pump, 8 oz/min (230 ml/min) detergent pump, .2-3.0 oz/min (6-90 ml/min) sanitizer pump, brass solenoid, or plastic solenoid.

Model	Part Number	Description
UMP Digital-100L	7162900-07	UMP Digital with liquid detergent system w/ KP-500 peristaltic pump
UMP Digital-100D	7162905-07	UMP Digital with dry detergent system w/ brass solenoid
UMP Digital-100D	7162905-P	UMP Digital with dry detergent system w/ plastic solenoid
UMP Digital-200L	7162910-07	UMP Digital with liquid detergent and rinse system w/ KP-500 peristaltic pump
UMP Digital-200D	7162915-07	UMP Digital with dry detergent system w/ brass solenoid
UMP Digital-200D	7162915-P	UMP Digital with dry detergent system w/ plastic solenoid
UMP Digital-200L	7162300-07	UMP Digital with liquid detergent and rinse system w/ KP-500 peristaltic pump in larger 3 pump cabinet
5137 114 (1		with capability to add on sanitizer pump
UMP Digital-200D	7162305-07	UMP Digital with dry detergent and liquid rinse system w/ brass solenoid in larger 3 pump cabinet
**		with capability to add on sanitizer pump
UMP Digital-200D	7162305-P	UMP Digital with dry detergent and liquid rinse system w/ plastic solenoid in larger 3 pump cabinet
88		with capability to add on sanitizer pump
UMP Digital-300L	7162310-07	UMP Digital with liquid detergent, rinse, and sanitize system w/ KP-500 peristaltic pump
UMP Digital-300D	7162315-07	UMP Digital with dry detergent, liquid rinse and sanitize system w/ brass solenoid
UMP Digital-300D	7162315-P	UMP Digital with dry detergent, liquid rinse and sanitize system w/ plastic solenoid
UMP Accessories		
	1600709	Inductive Probe with 25' cable length (20mS)
	7110225	20" Low Level Alarm probe with sensor and suction tube, suitable for 1 gal, 5 gal, 10L, or 25L containers

KNIGHT LIMITED WARRANTY

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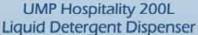
UMP Hospitality

Economical Warewash Control System

The UMP Hospitality is designed for the cost sensitive warewash account where value is needed, and reliability and performance is required. The warewash dispenser is designed with new long lasting planetary gear pumps and a new service friendly design. The modular pump module has a toolless snap off roller block for quick tube replacement. The UMP Hospitality offers liquid or dry detergent, probe or probeless, door or conveyor to cater to most warewash applications. The UMP Hospitality will simply deliver more, for less.

"Simply Delivering More, for Less"







UMP Hospitality 200D Dry Detergent Dispenser

- Easy to program digital menu
- Password protected
- Rack count functionality
- Numeric variable speed, rinse limit, rinse delay, and alarm delay
- Precise and accurate digital settings
- Multi-voltage 115/208/230 VAC

- Long lasting, rotary pump module
- EPDM Plus peristaltic tube
- Toolless snap off roller block
- Probe or Probeless mode
- Door or Conveyor Dishwashers
- Liquid or Dry Detergent
- Detergent and rinse pumps
- Durable plastic case





UMP Hospitality Features and Benefits



The UMP Hospitality offers precise and accurate digital programming at the main control housing.



The pump wire channel allows for quick pump changes and easy routing of the pump wires to the control board in the main housing.



The roller block snaps off from the pump module to allow for quick, toolless tube replacement.

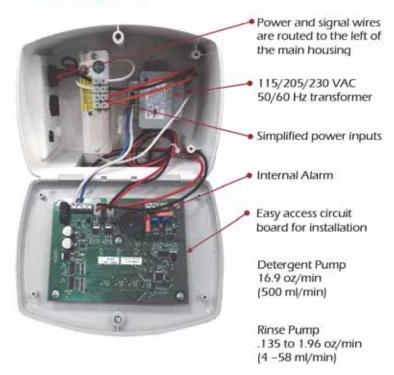


Enhanced, long lasting Super EPDM tube is snapped into the roller block housing.

Programming Features

	UMP Hospitality					
Mode	Probe	Mode	Probeless Mode			
Dishmachine Type	Door	Conveyor	Door	Conveyor		
Rinse Speed	0 -100%	0 -100%	0 -100%	0 -100%		
Rinse Limit	0 - 30s		0 - 30s			
Rinse Delay	0 - 14s		0 - 14s			
Initial Charge			0 - 150s	0 - 128s		
Recharge			0 - 30s	0 - 20s		
Recharge After N Racks			1 - 20	1 - 20		
Concentration	0 - 199K	0 - 199K	6	3		
Alarm Delay	0 - 512s	0 - 512s	0 - 512s	0 - 512s		
Password	4 Digit	4 Digit	4 Digit	4 Digit		
Languages		•	•			
Reset Rack Count		•	•			
Concentration Alarm	•					
Rack Time		0-30s		0-30s		
Initial Charge Repeat			•	•		
Water Change Count	0-999	0-999	0-999	0-999		
Detergent Pulse %	10-90%	10-90%				
Detergent Pulse Rate	3-15	3-15				
Conductive Probe		•				
Rack Count	•	•				
Delime Mode (Descale)		•				
Initial Charge Count			•	•		
Reset Initial Charge Count			•	•		

Internal Components



ORDERING INFORMATION

UMP Hospitality

Notes: UMP Hospitality includes water resistant plastic case with transformer (115, 205, 230 VAC, 50/60 Hz) and accessory kit (conductive probe, check valve, bulkhead ell, poly suction line, and pick-up tube). Option of .135-1.96 oz/min (4-58 ml/min) rinse pump, 16.9 oz/min (500 ml/min) detergent pump, or plastic solenoid.

 Model
 Part Number
 Description

 UMP Hospitality-200L
 6543001
 UMP Hospitality with liquid detergent and liquid rinse system

 UMP Hospitality-200D
 6543002
 UMP Hospitality with dry detergent and liquid rinse system

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UMP Ultra Micro-Pro Warewash Control System

Ultra Micro-Pro UMP-Series warewash systems provide the versatility of probe or probeless detergent control through advanced microprocessor design. With the capability of controlling up to two products, and the choice of liquid or dry detergent, virtually any warewash application can be accommodated. The UMP Series warewash control features simplicity and versatility at an "Ultra" low price.



- Value Priced System
- Compact, Watertight Plastic Case
- Easy To Set Concentration
- Dual Range
- Long Life Detergent and Rinse Motors
 - Up To 3000 Hours
- Probe Or Probeless Operation
- For Liquid and Solid Chemicals
- For Door and Conveyor Dishwashers

- Rinse Saving Operation
- Built In Transformer
- 115,208,or 230 VAC mains input
- Proven, Long Life Squeeze Tubes
- Custom Labeling Available
- Rinse Prime Button
- Alarm Volume Control
- Detergent Depletion Alarm
- On/Off Switch on Unit

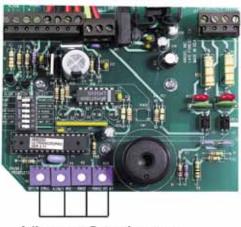


Slide Switch Settings

- Probe/Probeless Switch: Allows you to select operation with or without a probe.
- Door/Conveyor Switch: Used if operating in probeless mode.
- Low/High Range Switch: Used if operating in probe mode. Selects concentration ranges.
- Low/High Audio Switch: Sets the alarm volume.
- On/Off Rinse Limit Switch: When on, the circuitry stops the rinse pump after 30 seconds.

Potentiometer Settings

- Concentration or Recharge Pot: In "probe mode" sets detergent concentration level. In "probless mode" sets the pump time necessary to recharge the detergent concentration after each wash-cycle.
- Alarm Delay or Initial Charge Pot: In "probe mode" sets the time before the alarm sound if the probe senses low detergent concentration. In "probeless mode" sets the pump time for detergent initial charge.
- Rinse Speed Pot: Adjusts the rinse speed.
- Rinse Delay Pot: Delays the rinse pump from 0 to 14 seconds.

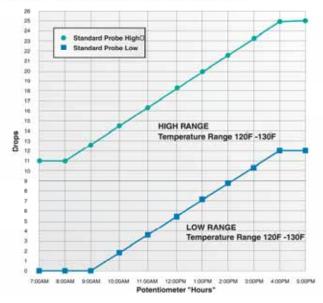


Adjustment Potentiometers

Probe Life Enhancement Circuitry

Knight's unique probe life enhancement circuitry, first introduced in 1994, samples the wash tank solution in short bursts, 1/100 th of a second long. This rapid, short sampling greatly enhances probe life while holding the chemical concentration level steady. The Dual Range Concentration setting provides broad, linear adjustment ranges for easy setup in all types of water conditions. Knight's PWM (Pulse Width Modulation) variable speed circuitry ensures linear rinse motor speed adjustment and maximum brush life.

UMP Concentration Curve



Ultra Micro-Pro



ORDERING INFORMATION				
Ultra Micro-Pro				
Model	Part Number	Description		
UMP-100 L	7162800-07	Ultra Micro Pro With KP-500 Pump for Liquid Detergent		
UMP-100 D	UMP-100 D 7162805-07 Ultra Micro Pro With Water Solenoid for Dry Detergent			
UMP-200 L	7162810-07	Ultra Micro Pro With KP-500 Pumps for Liquid Detergent and Rinse		
UMP-200 D	7162815-07	Ultra Micro Pro With KP-500 Pump for rinse and a Water Solenoid for Dry Detergent		

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KNIGHT Micro Pro II The Next Generation

The One Dispenser Designed to Meet All Your Warewash Needs

SPECIAL FEATURES

- Economy Priced System
- Compact, Stainless Steel Case with Splash Guard Plastic Cover
- Tilt-Up Circuit Board Adjustment
- Fold Down Front Pump Panel
- . Built In Transformer
 - 115, 208 or 230 VAC 50/60 HZ to 24 VAC
- Cover Mounted Rinse & Sani Prime switches
- Easy to Set Dual Concentration Range
- Probe or Probeless Operation
- . Long Life Rinse Motors
 - Up to 3,000 Hours
- Long Life Probe Circuit
- Rinse Saver Operations
- Proven Long Life Squeeze Tubes
- Louder Alarm with Volume Control
- . Custom Labeling Available









The Micro Pro II warewash systems provide the ultimate in versatility and convenience. The tilt front and cover makes setting and servicing the unit quick and easy. Having choices of probe/probeless operation, high and low range concentration settings, rinse delay, rinse limit, dry detergent, liquid detergent, and sanitizer pumps makes the Micro Pro II the universal dispenser. Mount it on the wall or on top of the machine by rotating the pumps and adding the two suction cup feet provided.

SLIDE SWITCH SETTINGS

- · Probe/Probeless Switch: Allows you to select operation with or without a probe.
- . Door/Conveyor Switch: Used if operating in probeless mode
- . Low/High Range Switch: Used if operating in probe mode. Selects concentration ranges.
- . Low/High Audio Switch: Sets the alarm volume.
- . Sani w/detergent / Sani w/rinse: used to activate the Sani Pump with the detergent or rinse pump.
- . On/Off Rinse Limit Switch: When on, stops the rinse pump after 30 seconds.
- Delay Off/3 Sec.; Selects rinse delay of 3 seconds
- . Delay Off/6 Sec .: Selects rinse delay of 6 seconds when on.



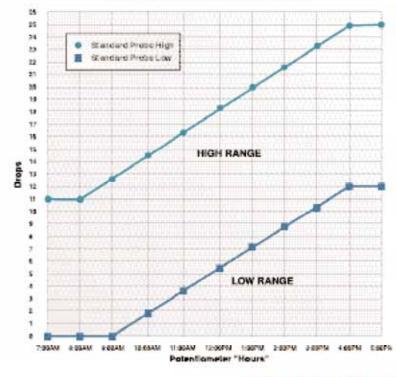
POTENTIOMETER SETTINGS

- . Rinse Control: Adjusts the rinse pump speed.
- . Sani Control: Adjusts the sanitizer pump speed.
- . Concentration or Recharge Pot; In "probe mode" sets detergent concentration strength. In "probeless mode" sets the pump time necessary to recharge the detergent concentration.
- · Alarm Delay or Initial Charge Pot: In "probe mode" sets the time before the alarm sounds if the probe senses low detergent concentration. In "probeless mode" sets the pump time for detergent initial charge.

Adjustment Potentiometers

Knight's unique probe life enhancement circuitry, first introduced in 1994, samples the washtank solution in short bursts of 1/100 th of a second long. This rapid, short sampling greatly enhances probe life while holding the tightest concentration levels possible. The Dual Range Concentration setting provides broad, linear adjustment ranges for easy setup in all types of water conditions. Knight's PWM (Pulse Width Modulation) variable speed circuitry ensures linear rinse motor speed adjustment and maximum brush life.

MPII CONCENTRATION CURVE



Model	Part No.	Description
MPII-200L	7162700	Liquid Detergent and Rinse Control
MPII-200D	7162705	Dry Detergent and Rinse Control System with (1) KP-500 Pump for Rinse and (1) S-24 Solenoid for Detergent
MPII-300L	7162710	Liquid Detergent, Rinse and Sanitizer Control with (3) KP-500 Pumps
MPII-300D	7162715	Dry Detergent, Rinse and Sanitizer Control with (2) KP-500 Pumps and (1) S-24 Solenoid

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KNIGHT INC.

MINI-PRO

Warewash Mini Pump

The Mini-Pro Series is Knight's newest line of small and reliable dosing pumps with adjustable flow rates for single tank dish washers and glass washers. This compact, sleek peristaltic pump is designed to dispense liquid detergent or rinse aid. At its price, the Mini-Pro is the low-cost solution to your warewash dispensing needs.

"Cost Saver, Space Saver, Reliable"



- Wide selection of models to fit your needs ranging from quick digital push button programming to analog simple potentiometer setup to conductivity controlled.
- Digital based control allows for fast no hassle installation and automated operation
- Attractive, space saving case is easily wall mounted
- Durable Polypropylene enclosure that is water resistant and chemical resistant
- Self priming, reliable peristaltic pump
- Quick disconnect for suction and discharge tube connections
- Digital Mini-Pro is password protected
- Adjustable flow rate and rinse limit





Mini-Pro Features

Easy to read digital screen

Digital push button controls

Easy tube replacement

Screw on pump cover plate .

Extra-strong and long life Santoprene squeeze tube

Slots to ensure non-slip tube

Polypropylene enclosure (Water resistant, shock proof, chemical resistant, IP65 protection)

6ft (1m 83cm) Power cord .





Plugs on the circuit board provide for quick electrical connection



Power switch is protected by a flexible, water resistant seal



Quick disconnect for suction and discharge tube connections



Durable, long life motor

Product Specification

	ADJUSTABLE MIN	II-PRO ANALOG	Mini-Pro	DIGITAL
	ANALOG DETERGENT	ANALOG RINSE	DIGITAL DETERGENT	DIGITAL RINSE
MODEL	KMP-AD	KMP-AR	KMP-DD	KMP-DR
FLOW RATE	.7 to 4.1 oz/min (21 to 121 ml/min)	.1 to .6 oz/min (4 to 18 ml/min)	.4 to 4.1 oz/min (.7 to 121 ml/min)	.1 to .6 oz/min (4 to 18 ml/min)
PRESSURE	1.5 PSI (.1 bar)	45 PSI (3 bar)	1.5 PSI (.1 bar)	45 PSI (3 bar)
POWER SUPPLY	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz	24-240 VAC 50/60Hz	24-240 VAC 50/60Hz

ORDERING INFORMATION Mini-Pro Note: All Mini-Pro pumps are supplied with injection connector, foot filter, suction and delivery tubes, bracket and wall mounting fixing screws. Mini-Pro (20-240 VAC, 50/60 Hz) Part Number Model Description 7865451-01 Detergent Pump, Analog Potentiometer Setting, Low Flow, 24-240 VAC, (W 3.23" x H 4.05" x D 3.62") KMP-AD KMP-AR 7865452-01 Rinse Pump, Analog Potentiometer Setting, Low Flow, 24-240 VAC, (W 3.23" x H 4.05" x D 3.62") KMP-DD 7865453-01 Detergent Pump, Digital Push Button Setting, Low Flow, 100-240 VAC VAC, (W 3.23" x H 4.05" x D 3.62") KMP-DR 7865454-01 Rinse Pump, Digital Push Button Setting, Low Flow, 100-240 VAC, (W 3.23" x H 4.05" x D 3.62" Mini-Pro (230 VAC, 3W) Detergent Pump, Analog Potentiometer Setting, Low Flow, 230 VAC, 3W, (W 3.23" x H 4.05" x D 3.62") KMP-AD 7865451 Rinse Pump, Analog Potentiometer Setting, Low Flow, 230 VAC, 3W (W 3.23" x H 4.05" x D 3.62") KMP-AR 7865452 Mini-Pro (90-265 VAC, 3W) models available, please request ordering information

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The Best Dry/Solid Chemical Feeder Value In The Warewashing Business



Power Bowl Ultra Series

The Power Bowl Ultra Series offers three economical models for dispensing solid and dry chemicals. The Power Bowl Ultra, Sink Bowl and Solid Rinse Bowl feature the new screen center spray jet that evenly and efficiently dissolves solid chemicals to minimize product waste and provide more efficient chemical consumption.

The Power Bowl Ultra works with all industry standard solid and powder capsules. These sturdy, yet easy to operate bowl feeders are designed for use under the most challenging conditions, resulting in fewer service calls and greater customer satisfaction.

Common Features:

- . New "Pilot" Water Valve Provides Positive On/Off Action
- . No Water Leakage At The Spray Jet
- 1/4" Jaco Water Inlet Fitting For Copper Or Poly Tubing Connections
- Valve Paddle Face And Position Prevents Bottle Wall Collapse
- All Plastic, One Piece Water Inlet/Screen Assembly
- Efficient Spray Nozzle Design
- Integral Anti-Clog Screen
- · Priced To Be The Market Leader







Power Bowl Ultra

The Power Bowl Ultra is designed to dissolve solid or containerized powder detergents evenly and efficiently. This improved bowl feeder is well suited for any laundry, warewashing or general purpose chemical cleaning application where reliability and cost efficiency is a must.

Key Features:

- Rugged Molded Plastic Construction
- · Reliable, Safe Water Inlet Valve
- Top or Wall Mount
- Efficient Spray Pattern for Solids or Screen Cap Powders
- · Plastic or Brass Vacuum Breaker

Sink Bowl

The Sink Bowl is a simple yet robust dispensing system that erodes containerized solid or powder detergents for filling sinks, bus pans or other receptacles. Because it's manually operated, there are no batteries to change, no electronics to service and it's incredibly easy to install.

Chemical concentration is controlled by adjusting the control valve that supplies pressurized water flow to the bowl spray yet. Water that is not used for dissolving chemical is diverted and mixed with the chemical ouput via a durable "Y" connector mounted on the bowl discharge.

Key Features:

- · Pre-Assembled, Ready To Install
- Simple Installation
- · Secure Concentration Adjustment
- Rugged Actuator Handle
- · Brass Vacuum Breaker
- Reliable Operation
- · Low Cost

Solid Rinse Bowl

The Solid Rinse Bowl effectively converts solid rinse agent to liquid form and stores it in a self-contained reservoir. The automatic rinse injector from a warewash dispenser draws the content from the reservoir and feeds it to the dishmachine.

The Solid Rinse Bowl will function with any electronic warewash dispenser. This product is shipped fully assembled with a water solenoid and level controlled collection reservoir.

Key Features:

- Integrate With Any Knight Warewash Dispenser
- · Built-In Chemical Reservoir
- Built-In Float Maintains Diluted Rinsing Agent
- Simple Electrical and Plumbing Connections
- Positive Water Inlet Control

Note: Many regulatory agencies require a vacuum breaker to be mounted between the water source and the Power Bowl Ultra. The vacuum breaker is typically required to be mounted a minimum of 6" above the water inlet valve.

Power Bowl Ultra		Solid Ri	nse Bowl	Sink Bowl	
Part #	Description	Part #	Description	Part #	Description
7035270	PB Ultra w/Brass Vacuum Breaker, w/Accy Kit	7035279 7035277	Solid Rinse Dispenser w/o Breaker Solid Rinse Dispenser w/Plastic Vacuum	7035273	Sink Bowl w/Control Valve and Vacuum Breaker
7035275	PB Ultra w/Plastic Vacuum Breaker, w/Accy Kit	7035278	Breaker Solid Rinse Dispenser w/Brass Vacuum	l	
7035271	PB Ultra w/o Vacuum Breaker, w/Accy Kit	ı	Breaker		
7035280	PB Ultra w/o Vacuum Breaker, w/o Accy Kit				

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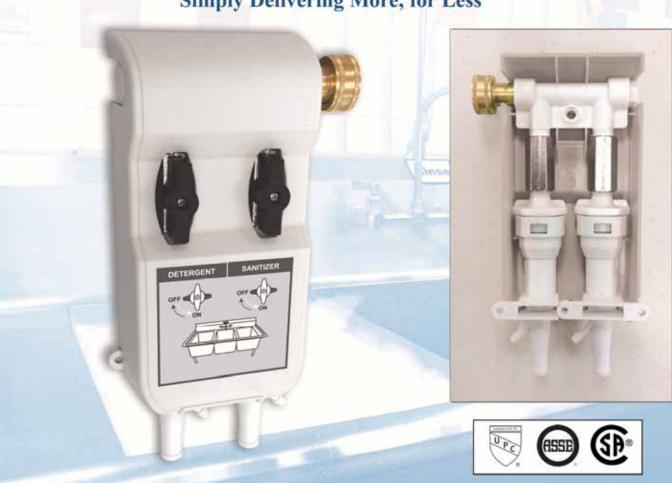


Sink Mate Hospitality

Economical Kitchen Sink Dispenser

The Sink Mate Hospitality is designed to economically, and accurately dilute detergent and sanitizer to fill kitchen sinks. The dispenser is made with minimal number of parts and a toolless cover design, making servicing and installation simple. The compact case fits nicely into small kitchen areas and the impact resistant cover design allows the unit to with stand the wear and tear in the kitchen environment. Both the 4 GPM Flex-Gap and 4 GPM Aire-Gap dilutes chemical at the same ratio allowing you to use the same metering tip or pre-metered cap for both Flex-Gap and Aire-Gap.





- Economical and cost effective
- Compact design takes up less valuable wall space in the kitchen (W 5" x H 9.75" x D 2.25)
- Durable ABS cover and Polypropylene chassis
- Capable of handling 100 PSI (6.9 bar) pressure and 140° F (60° C) temperature
- Simple, low maintenance design

- Toolless cover removal for ease of service
- 4 GPM (15.2 LPM) flow rates for both Aire-Gap and Flex-Gap
- 16 different dilutions rates available ranging from 1:4.3 to 1:511
- Flex-Gap and Aire-Gap dilutions match
- Common intercheageable components with the MX Hospitality line of products





Sink Mate Hospitality

Durable, high impact ABS cover needs no tools to remove

Heavy duty, long lasting ball valves

Easy to follow graphic label

Polypropylene internal components with EPDM seals

Mounting holes

6' discharge hose included



Water inlet connection can be connected on the left or right side

Compact design Dimensions w/o hosing W 5" x H 9.75" x D 2.25"

4 GPM (15,2 LPM) Flex-Gap or 4 GPM (15.2 LPM) Aire-Gap backflow preventer available

16 color coded metering tips included

8' suction line, ceramic weight, and umbrella foot valve included

Specification

Back flow preventer	Flex-gap or Aire-gap
Flex-Gap flow rate	4 GPM (15.2 LPM)
Aire-Gap flow rate	4 GPM (15.2 LPM)
Temperature	Max: 140° F (60° C)
Max. Pressure	100 PSI (6.9 bar)
Min. Pressure	20 PSI (1.4 bar)

Material Specification

Cover	ABS	
Flex-gap or Aire-gap	Polypropylene	
Seals	EPDM	
Manifold	Polypropylene	Ξ
Water Inlet	Brass	

UMP Hospitality Features and Benefits



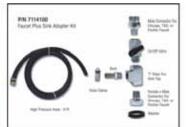
The flow rate for Flex-gap and aire-gap units are both 4 GPM (15.2 LPM). The dilution ratios match for both flex gap and aire-gap units.



Cover can be snapped from dispenser without the use of tools for easy servicing.



The compact, 5" width design saves valuable wall space in kitchen with limited wall area.



The Faucet Plus Sink Adapter Kit (7114100) is an effective and simple way to connect the Sink Mate Hospitality to a commercial kitchen sink.

ORDERING INFORMATION

SINK MATE HOSPITALITY

Accessories include: 16 ft. of 1/4" I.D. vinyl chemical suction line, umbrella type Viton umbrella foot valve strainer, ceramic weight, 12' of 3/4" O.D. vinyl discharge line, color coded metering tip kit, mounting kit, chemical alteration labels, manual

Model Part Number Description

SMH-200F 7850502 Sink Mate Hospitality dual product liquid sink dispesner w/ Flex-Gap (4 GPM)
SMH-200A 7850501 Sink Mate Hospitality dual product liquid sink dispesner w/ Aire-Gap (4 GPM)

7114100 Faucet plus sink adapter kit

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Kitchen Sink Dispenser

RUGGED • RELIABLE • FLEX-GAPTM/AIRE-GAPTM TECHNOLOGY



Part No.	Description
7116310 7116315 7116321 7116322	2 Product Sink Mate with Aire-Gap™ 2 Product Sink Mate with Flex-Gap™ 1 Product Sink Mate with Aire-Gap™ 1 Product Sink Mate with Flex-Gap™
10.700sak8e911116	t Sink Mate Dimension = 5"W x 1110"H x 210"D"

One Product Sink Mate Dimension = 3"W x 1110"H x 210"D"

Flex-Gap™ Aire-Gap™



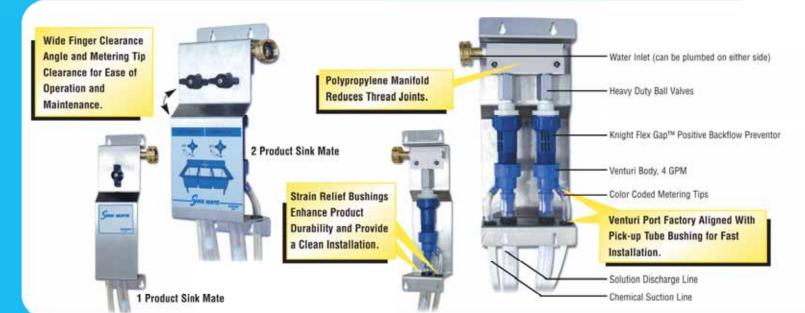
High hazard, A.S.S.E. listed Flex-Gap™ and Aire-Gap™ backflow preventor protects against cross-contamination of water supply and deters product foaming.

The Sink Mate Chemical Dispensing System is a heavy duty. water-driven dispenser that automatically and consistently mixes the precise amount of detergent and sanitizer with water at the turn of a knob. The system's field proven venturi can dispense your cleaning and sanitizing chemicals at 16 different mixing rates. At 3 or 4 gallons per minute, you can quickly and easily fill deep sinks and pre-soak pans. Sink Mate can be plumbed directly to the water supply or connected to the sink faucet with the Faucet Plus Sink Adapter Kit.

Knight's Flex-Gap™ (patent pending) backflow preventor protects against cross-contamination of the water supply and meets the industry's most stringent requirements for high hazard backflow prevention. Knight's Flex-Gap™ effectively prevents aeration of the chemical stream that produces excess foaming in the sink, often associated with other manufacturer's backflow preventors. The Aire-Gap™ backflow preventor is also available for certain states and municipalities.

KEY FEATURES

- One or Two Product Dispenser
- Rugged Stainless Steel Chassis
- Patent Pending Flex-Gap™ or Aire-Gap™
- Simple, Low Maintenance Design
- 3 and 4 GPM Fill Rate
- 16 Mixing Rates Per Valve (At 3 and 4 GPM)
- 16 Ft. Chemical Suction Tube and 12 Ft. Solution Discharge Tube Included (You Can Cut To Fit)
- Reversible Detergent/Sanitizer Label





PAUCET PLUS SINK ADAPTER KIT



The Faucet Plus Sink Adapter Kit is the most effective and simple way to connect your chemical mixing system to a commercial kitchen sink. The kit is easy to install and use.

To use the Faucet Sink Adapter, simply turn the control knob to feed fresh water to a chemical mixing system or turn the knob back to fill the sink.

KEY FEATURES

- Connects to Sink Mates and KP1H Chemical Proportioners
- Simply "Plumbs In" between the faucet head and water valves
- Adapts to Chicago, T&S and Fischer Faucet



High Pressure Hose - 6 Ft.



Male Connector For Chicago, T&S, or Fischer Faucet



On/Off Valve



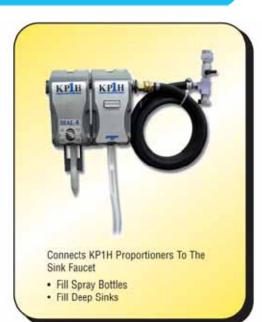
'T' Riser For Sink Top



Female x Male Connector For Chicago, T&S, or Fischer Faucet



Washer



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Pro-Watch Pump Systems

Pro-Watch is a microprocessor based chemical dispensing system for grease traps, drains, and odor control. This easy-to-use system stores up to 20 dispensing events per day, programmable by day, minutes or seconds. With an addition of the Misting Kit, Pro-Watch becomes an advanced chemical spray system designed to spray deodorizing or sanitizing mist in a variety of applications such as trash compactors, roll-a-way garbage bins and other trash depositories.

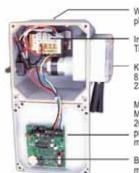


KEY FEATURES

- Microprocessor Based Controls
- High-impact Thermoplastic, Watertight Case
- LCD Display
- Self Priming
- Wall or Shelf Mounting
- Non-volatile Program Memory
- 115 Volt Transformer or
 6 Volt Batteries







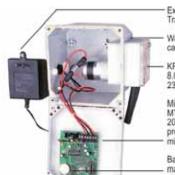
Watertight, rugged plastic case

Internal Prewired Transformer

KP5100 pump 8.0 oz./min. 237 mL/min.

Microprocessor MT 300 circuit board 20 events per pay programmable by day, minutes, seconds

Back-up battery to



External Plug in Transforme

Watertight, rugged plastic

KP5100 pump 8.0 oz./min. 237 mL/min.

Microprocessor MT 300 circuit board 20 events per pay programmable by day, minutes, seconds

Back-up battery to maintain timer



Two 6-Volt Alkaline lantem batteries (not included)

Back-up battery to

Pro-Watch 510T

Pro-Watch 510XT

Pro-Watch II 8600385-01

Pro-Watch Misting System

The Pro-Watch Misting System is engineered to dispense Odor Counteractants, Enzymes and other odor control chemicals through a misting nozzle. This system is perfect for roll away bins, trash compactors and other garbage and card board repositories that produce noxious odors that can offend customers and residential

Pro-Watch Misting System 115/208/230 VAC 50/60 Hz

P/N 8600395-M7

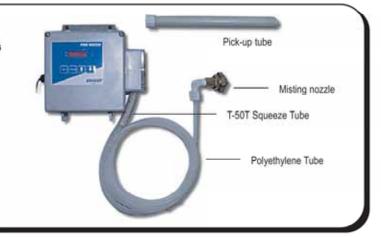
Pro-Watch Misting System w/External 115 VAC Transformer

P/N 8600391-M1

Misting Kit

P/N 8600643

Includes Misting Nozzle, 3/8" Polyethylene Tubing, T-50T Squeeze Tube, and 3/8" Pick-up Tube. Does not include the Pro-Watch System.



Pro-Watch Systems - 24 Hour Clock

MODEL	PART NO.	DESCRIPTION	SPECIFICATIONS	3 (2)
Pro-Watch 510T	8600395-07	Microprocessor 24 hour clock control system wireal time battery backup, 20 events per day programmable in minutes and seconds. Features a KP-5100	Housing	high impact thermoplastic, watertight concernation
		Pump, feed rate 237 mL/min, 3.7 gph, 30 PSI. With pre-wired built-in stepdown UL-Transformer. Voltages available: 115/230 VAC, 50/60 HZ.	Pump Drive	rugged gear motor w/AC or DC drive
Pro-Watch 510XT	8600391-01	Same system as the Pro-Watch 510T, but utilizes an external 115 Volt wall plug transformer, low voltage wires from wall transformer can be lengthened as	Squeeze Tubing	materials available for most chemical applications
		required.	Control Options	MT-300 microprocessor control with 20
Pro-Watch II	8600385-08	Same system as the Pro-Watch 510T, but housed in a larger watertight plastic case designed to hold two 6 Volt alkaline (Energizer #529 or equivalent) lantern batteries. No AC power required. Feed rate 100 mL/min, 3.4 oz/min.		event per day, programmable in minutes and seconds with digital display and external programming keys. Display "sleep mode" preserves battery life.
Pro-Watch II	8600385-01	Same system as the Pro-Watch 510T, but housed in a larger watertight plastic case designed to hold two 6-volt alkaline (Energizer #529 or equivalent) lantern	Power Supply	24/115VAC 60HZ, 230VAC 60HZ, 230 VAC 50HZ
		batteries. No AC power required. Feed rate 100 mL/min, 3.4 oz/min. Comes with xternal plug-in transformer to operate w/115 VAC power.	Dimensions	Pro-Watch 510T : 6'(H) x 5"(W) x 6"(D) Pro-Watch 510XT : 6'(H) x 5"(W) x 6"(D) Pro-Watch II : 81/2"(H) x 71/2"(W) x 81/2"(D

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Knight N. Asia Tel +82(2)3481.6683 Fax +82(2)3482.5742

Knight S. Asia Tel +65.9170.0984 Fax +65.6489.6723



Select the appropriate material that matches the flow rate of the pump and chemical to be pumped.
The chart below should be used as a reference tool only. Actual tube compatibility with chemical blends subject to environmental and "in situation" variables including:
1.héad pressure 2.temperature 3.viscosity 4.chemical concentration

Description*	The new BV tube is made of a new high grade Lexsis compound that is specifically designed to last with Peracetic Acid, Iron Sours, Sours, Neutralizers, Chlorine, and other Acids. Not suitable for Detergents, Oils, and Solvents	A resilient neoprene tube that is compatible with Alkalis, Builders, Breaks, Surfactants, and Detergent compounds. Not suitable for Solvents, Hydrocarbons, Caustic, and Acids	The EPDM tube is resilient with excellent memory and field proven mechanical reliability. Compatible with weak to strong corrosive solutions including: Alkalis, Builders, Breaks, Surfactants, Detergent compounds, Chlorine, Iron Sours, weak to medium Acids, and Rinse Agents. Not suitable for oils and hydrocarbons.	EP Plus is an enhanced EPDM tube that is designed to last longer with Alkalis, Builders, Breaks, Surfactants, Detergent compounds, Chlorine, Iron Sours, weak to medium Acids, and Rinse Agents.	EH tube is made with the new EPDM Plus material that is designed to last longer with Alkalis, Builders, Breaks, Surfactants, Detergent compounds, Chlorine, Iron Sours, weak to medium Acids, and Rinse Agents. Not suitable for oils and hydrocarbons
Roller Block	RB-550, RB-850 RB-550, RB-850 RB-550, RB-850 RB-550, RB-850 RB-550, RB-850	RB-550, RB-850 RB-550 RB-550	RB-550, RB-850 RB-550, RB-850 RB-551 RB-551 RB-553 RB-553 RB-550, RB-850 RB-550, RB-850 RB-550, RB-850	RB-550, RB-850 RB-550, RB-850 RB-550, RB-850 RB-550, RB-850	6326023 6326023 6543023 6543023
Length (mm)	BULK 279.4 mm 355.6 mm BULK 355.6 mm	BULK 279.4 mm 355.6 mm	BULK 279.4 mm 355.6 mm BULK 279.4 mm BULK 279.4 mm BULK 355.6 mm 508.0 mm	BULK 279.4 mm BULK 355.6 mm	BULK 145.0 mm BULK 143.5 mm
Length (inch)	BULK 11" 14" 14"	BULK 11" 14"	BULK 11" 14" BULK 11" BULK 14"	BULK 11" BULK 14"	BULK 5.71" BULK 5.65"
Dimensions (mm) ID X Wall x OD (ref)	6.4 × 3.4 × 13.2 6.4 × 3.4 × 13.2 6.4 × 3.4 × 13.2 8.9 × 3.4 × 15.7 8.9 × 3.4 × 15.7	6.4 × 3.4 × 13.2 6.4 × 3.4 × 13.2 6.4 × 3.4 × 13.2	6.4 x 3.4 x 13.2 6.4 x 3.4 x 13.2 6.4 x 3.4 x 13.2 2.4 x x 13.2 2.9 x 5.2 x 13.2 4.7 x 4.1 x 13.0 4.7 x 4.1 x 13.0 8.9 x 3.4 x 15.7 12.2 x 4.8 x 21.8	6.4 x 3.4 x 13.2 6.4 x 3.4 x 13.2 8.9 x 3.4 x 15.7 8.9 x 3.4 x 15.7	6.5 × 1.5 × 9.7 6.5 × 1.5 × 9.7 8.3 × 1.5 × 6.4 8.3 × 6.4
Dimensions (inch) ID X Wall x OD (ref)	.25 × .13 × .52 .25 × .13 × .52 .25 × .13 × .52 .35 × .13 × .62 .35 × .13 × .62	.25 x .13 x .52 .25 x .13 x .52 .25 x .13 x .52	.25 × .13 × .52 .25 × .13 × .52 .11 × .20 × .52 .11 × .20 × .52 .19 × .16 × .51 .35 × .13 × .62 .35 × .13 × .62 .35 × .13 × .62	.25 × .13 × .52 .25 × .13 × .52 .35 × .13 × .62 .35 × .13 × .62	.25 × .06 × .38 .25 × .06 × .38 .13 × .06 × .25 .13 × .06 × .25
Part Number	7018047 7018047-11 7018047-14 7018048	7018055 7018045 7018046	7018050 7018051 7019060 7018021 7018056 7018066 7018066 7018068	7018031 7018031-11 7018042 7018042-14	7018061 6326019 7117170 6543005
Model Number	T-50-BV T-50-BV T-66-BV T-66-BV	T-50-D T-50-D T-50-D	T-50E T-50E T-51E T-51E T-53E T-66E T-66E	T-50EP Plus T-50EP Plus T-66EP Plus T-66EP Plus	T-50EH Plus T-50EH Plus T-53EH Plus T-53EH Plus
	BV	Doug	EPDM	EP Plus PLUS	EPDM PLUS Hospitality Line

^{*} Knight only recommends potential solutions for tubing applications. All chemicals should be tested in their proposed applications and under proposed conditions.





Specification Sheet

The chart below should be used as a reference tool only. Actual tube compatibility with chemical blends subject to environmental and "in situation" variables including:

1.head pressure 2.temperature 3.viscosity 4.chemical concentration

	ত ০	**							
	N N	Model Number	Part Number	Dimensions (inch) ID X Wall x OD (ref)	Dimensions (mm) ID X Wall x OD (ref)	Length (inch)	Length (mm)	Roller Block	Description*
	ř	T-50F	7018186	.25 × .13 × .52	6.4 × 3.4 × 13.2	BULK	BULK	RB-550, RB-850	A Fluoro-Viton material designed to be compatible
Ш	ř	T-50F	7018086	.25 x .13 x .52	6.4 x 3.4 x 13.2	" 6	228.6 mm	RB-550, RB-850	with Acids, Caustics, Hydrocarbons, Oils, natural
FLUORO VITON	ř >	T-50F	7018089	.25 x .13 x .52	6.4 x 3.4 x 13.2	12.5"	317.5 mm	RB-550, RB-850	Solvents, and Di-Ilmonene.
	ř	T-66-F	7018087	.35 x .13 x .62	8.9 x 3.4 x 15.7	12.5"	317.5 mm	RB-550, RB-850	Viton is a harder durometer tubing
	ii I	T-75-F	7018188	.48 x .13 x .75	12.2 x 3.4 x 19.0	BULK	BULK	RB-975	
	ï	T-75-F	7018088	.48 x .13 x .75	12.2 x 3.4 x 19.0	18.5"	469.9 mm	RB-975	
2.4	ĭ	T-50-M	7018000	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	A commercial grade Silicone based tube good for
M	Ť	T-50-M	7018001	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	Detergents, Alkalies, Chlorine, and mild
MEDSIL	ř	T-50-M	7018002	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550, RB-850	Corrosives.
	ř	T-53-M	7018005	.19 x .16 x .51	4.7 x 4.1 x 13.0	BULK	BULK	RB-553	Not suitable for Solvents or Oils.
	ř	T-66-M	7018010	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	ř	T-66-M	7018011	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
	ř	T-86-M	7018015	.48 x .19 x .86	12.2 x 4.8 x 21.8	BULK	BULK	RB-986	
	ř	T-86-M	7018016	.48 x .19 x .86	12.2 x 4.8 x 21.8	20,,	508.0 mm	RB-986	
	1- 9-1	T-50-S	7018210	.25 × .13 × .52	6.4 × 3.4 × 13.2	BULK	BULK	RB-550, RB-850	A Silicone based tube good for Detergents.
n	T-6	T-50-S	7018211	x .13 ×	6.4 × 3.4 × 13.2	11"	279.4 mm	RB-550, RB-850	Alkalies, Chlorine, and mild Corrosives.
SILICONE	T-E	T-50-S	7018212	.25 x .13 x .52	6.4 × 3.4 × 13.2	14"	355.6 mm	RB-550, RB-850	Not suitable for Solvents or Oils.
	7-6	S-99-L	7018213	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	<u>+</u>	T-66-S	7018214	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
ŀ	Y C	T-50-T	7018100	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	The Santoprene based tube is generally resistant
	1	T-50-T	7018101	.25 x .13 x .52	6.4 x 3.4 x 13.2	11,	279.4 mm	RB-550, RB-850	to strong to medium corrosive solutions including:
THERMISTANT	T.	T-50-T	7018102	.25 x .13 x .52	6.4 x 3.4 x 13.2	.41	355.6 mm	RB-550, RB-850	Acids, Caustics, Chlorine, and Hinse agents.
	ř	T-53-T	7018097	.19 x .16 x .51	4.7 × 4.1 × 13.0	BULK	BULK	RB-553	Not suitable for Oils and Hydrocarbons
	⁷ ′ ⊢	T-53-T	7018096	.19 x .16 x .51	4.7 × 4.1 × 13.0	11"	279.4 mm	RB-553	
)-T	T-66-T	7018106	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	¥ -	T-66-T	7018105	.35 x .13 x .62	8.9 x 3.4 x 15.7	41	355.6 mm	RB-550, RB-850	
	ř	T-86-T	7018107	.48 x .19 x .86	12.2 x 4.8 x 21.8		508.0 mm	RB-986	



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Hospitality Line		40 PSI	a a a									
6543020 .135 - 1.96 4 to 58 T-53EH xx 40 PSI 9800002-BK .1 to 1.5 3 to 45 T-53 15 30 PSI			רואט 0.2	24	2A	5	10 ft. 3l	3M	3.8 lb	1.4kg	continuous	10.7 cm
9800002-BK .1 to 1.5 3 to 45 T-53 15 30 PSI		40 PSI	2.8 BAR	24	2A	<u>2</u>	10 ft.	3M	3.8 lb	1.4kg	continuous	\$200 C
UMP Digital		30 PSI	2 BAR	24	400mA	20	10 ft.	3M	3.8 lb	1.4 kg	continuous	Bem used
												Q 45 Q 49
KP-5100DCX 8080151 10 300 T-50 100 30 PSI 2 BAR		30 PSI	2 BAR	24	400mA	2	10 ft.	3M	3.8 lb	1.4 kg	continuous	1K 3.1°
KP-5200DCX 8080152 20 600 T-50 200 30 PSI 2 BAR		30 PSI	2 BAR	24	800mA	2	10 ft.	3M	3.8 lb	1.4 kg	continuous	145
												Scm dy.
OP Pro / OP Elite												
KP-5100DCX 8155262 10 300 T-50 100 30 PSI 2 BAR		30 PSI		24	400mA	DC	10 ft.	3M	3.8 lb	4. kg	continuous	3.1"
KP-5200DCX 8155362 20 600 T-50 200 30 PSI 2 BAR		30 PSI	2 BAR	24	800mA	DG	10 ft.	3M	3.8 lb	1.4 kg	continuous	S Bom
On-Premise Plus												Scm Cy.
KP-5100X 7108262-* 7.7 227 T-50 100 30 PSI 2 BAR		30 PSI	2 BAR	See Note*	1.5A A	AC	10 ft.	3M	7.2 lb 8	2.7 kg	5min - ON	47
8600120-* 7.7 227 T-50 100 30 PSI		30 PSI	2 BAR	See Note*	1.5A	AC	10 ft.	3M	7.2 lb	2.7 kg	30min - OFF 5min - ON	25 Jam
** quick change panel											30min - OFF	12cm



For liquid metering applications at low pressure a peristaltic pump is your best choice. Knight's range of variable (DC) and fixed speed (AC) pumps offers a wide range of flow rates and squeeze tubing for chemical and non-chemical applications. Choose the pump and squeeze tube from the tables below. Custom mounting brackets and special configurations are available upon request.

Dimensions	183cm	12cm 475	12cm loggy	18.3cm
Duty Cycle***	continuous	continuous	5min - ON 30min - OFF	5min - ON 30min - OFF
ght (kg)	2.9 kg	2.9 kg	3.2 kg	4.3 kg
Weight (lb.) (kg	7.8 lb	7.8 lb	9.8 9.8	11.510
in Lift (M)	W _E	₩ S	3M	NE S
Suction Lift (ft.) (M)	1	10 ft.	10 ft.	10 ft
I AC/DC	0	DC	AC	AC
Electrical Amps	800mA	800mA	1.5A	3.0 A
Volt	24	24	Note*	See Note*
	2 BAR	2 BAR	2 BAR	2 BAR
Max Back Press. (PSI) (BAR)	30 PS 20	30 PSI	30 PSI	30 PSI
Speed (RPM)	110	110	120	270
Tube Specify	T-66	- 1-66	99-1	98- -
iate** (ml/min)	1065	1065	650 650 1184 1184 2 z	4588 6690 2 z z
Flow Rate** (oz/min) (ml/m	98	98	23 40 40 for 115V 60H for 230V 60H	155 226 for 115V 60H for 230V 50H
Part Number	8080109	8155462	8507752-* 23 8600110-* 23 8507754-* 40 8600115-* 40 *Add (-01) to Part no. for 115V 60Hz *Add (-02) to part no. for 230V 60Hz *Add (-03) to part no. for 230V 60Hz	8600116-* 155 8600126-* 226 *Add (-01) to Part no. for 115V 60Hz *Add (-02) to part no. for 230V 60Hz *Add (-03) to part no. for 230V 50Hz
	KP-8110DCX	KP-8110DCX	KP-8120AXP w/ quick change panel KP-8120BX KP-8120BXP w/ quick change panel	KP-9130XP w/ quick change panel KP-9270XP w/ quick change panel

