

# EDGE & EDGE JR.

## CHEMICAL ALLOCATIONS SYSTEMS

Edge and Edge Jr. are intelligent liquid control systems designed to optimize in-plant cleaning chemical control. These systems completely automate the dispensing of chemicals and record critical usage data.

**Secure**

**Accurate**

**Affordable**



**Edge Chemical Allocation Systems are used by more sanitation/quality managers than any other system!**

- Reliable, fast concentrate or "ready to use" dispensing
- New split chemical injection/mixing manifold to separate incompatible chemicals
- Safe and simple multilingual user interface
- Chemical usage / operator activity reports
- Password or proximity card protected user access
- Edge: 10 chemicals and 2 water dilution valves
- Edge Jr.: 8 Chemicals with dual water injection
- Edge: AODD or Electric diaphragm pumps     ▪ Edge Jr.: Electric diaphragm pumps
- Windows compatible PC software with new internet connectivity package.
- Watertight control cabinet with new service friendly component layout.

**INDUSTRIAL SYSTEMS**

**KNIGHT**

**IDEX**  
FLUID & METERING

### Edge & Edge Jr. Systems

At the push of a button, the Edge and Edge Jr. dispense concentrated cleaners in precise measured amounts into jeri cans or other portable containers. These systems can be used to simply transfer each product to a container or to blend any combination of up to ten products for the Edge or up to eight products for Edge Jr. with water, and dispense it to jugs, foamers, and other vessels. The Edge systems can also dispense chemicals direct to specific equipment in the plant such as CIP tanks or satellite drop stations.

ILCS Edge and Edge Jr. can be programmed to deliver exact chemical formulations tailored to the specific requirement of each cleaning task. Programmable user ID codes prevent unauthorized use of the system.

The Edge systems will reduce workplace accidents, while accurately controlling chemical consumption. The Edge systems are essential in your chemical room as part of a comprehensive food/beverage sanitation program to prevent common misuse and abuses that can lead to runaway costs and substandard sanitation. Comprehensive allocation reports support your plants compliance with FDA/HACCP regulations, and other private audit firm requirements.



### Worker Safety / Food Safety

The Edge systems promote worker safety by limiting the users' exposure to corrosive cleaners. The Edge systems are designed to dispense chemicals on request from the sanitation operator. A range of pumping options transfer cleaning products safely and efficiently. The simplicity of the systems allow even unskilled employees to use it with minimal training; saving valuable labor dollars, reducing opportunities for accidents and preventing misapplication of products. Dual Chemical Manifolds isolate incompatible chemicals and improve workplace safety.



### Data Management

All chemical usage is recorded instantly as chemicals are dispensed. Usage reports include product cost, chemical consumption, batch tracking and user activity. This critical information will help management gain control of overall cleaning costs while reducing the risk of hazardous, neglectful chemical usage.

### Fast, Simple Reporting

Formulo Name	Pump 1 ALKALI Volume	Pump 2 FOAMER Volume	Pump 3 FOAM 2 Volume	Pump 4 QUAT 42 Volume	Pump 5 ACID/SA Volume
1. SCRUBBER	128.0	0.0	0.0	0.0	0.0
2. MOP BUCKET	0.0	128.0	0.0	0.0	0.0
3. CONVEYER	0.0	0.0	0.0	0.0	0.0
4. FILTER BASE	256.0	0.0	0.0	0.0	0.0
5. INTERNAL IA	640.0	0.0	0.0	0.0	0.0
6. INTERNAL BOTTLE	640.0	0.0	0.0	0.0	0.0
7. WATER/TREAT FLOOR	0.0	0.0	0.0	0.0	0.0
8. CIP IA	772.8	0.0	0.0	0.0	0.0
9. CIP BOTTLE LINE	0.0	0.0	0.0	0.0	0.0
10. INTERNAL TO	0.0	0.0	0.0	0.0	0.0

### Connect Remotely Via the Internet



Windows compatible software connects the Sanitation Manager directly to the system.

- \* Track chemical usage by each sanitation worker
- \* Verify chemical usage in all areas of the plant
- \* Remote connection via ethernet to LAN
- \* Export sanitation reports to Excel

**Simple, Fast Windows based Programming Saves Time!**



**EDGE Safely Automates and Controls Chemical Dispensing**

English / Spanish user interface allows sanitation workers to operate the Edge system with a minimum of training and effort. The operator simply enters a user ID code, selects the appropriate formula number and presses the start button. It s that easy!

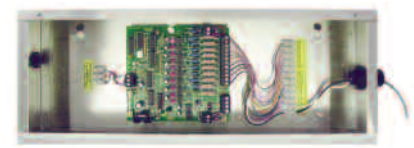
Note: Other languages available on request.

- New Fluorescent Blue Display** easier to see in poorly lit areas
- Proximity Card Reader** optional password entry device improves security and increases speed of the filling operation
- Large, Alpha Numeric Key Pad** designed for use with gloves on and will withstand chemical exposure
- Watertight Stainless Steel Control Cabinet and Membrane** keeps direct spray from attacking components
- New Membrane Switch** provides excellent tactile feel and uniform surface.
- Security Lock**
- Bold, easy access buttons** for starting and stopping the dispensing cycle

**EDGE Components**

- All electronics protected against moisture with special elastomer seal
- Memory Module expands time stamp capability
- Microprocessor based user interface controller
- Pump output board with dual flush and prime buttons
- Air Valve Assembly with regulators and gauges
- Dual 1/2" water Solenoid Valves for flush/fill
- Inlet water pressure regulator with gauge
- Air Filter /Assembly Dryer
- Rugged 16 gauge #304 Stainless Steel construction


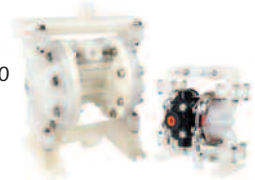
<b>Features</b>		
300 Programmable User IDs.	Remote Feed Functions	Remote Connectivity
99 Product Formulas	High Capacity / High Speed	6000 Time Stamps
User Access Control	Password Protection	Air Operated Pumps



Required for dispensing chemicals to remote locations and equipment

**EDGE Pump Options**

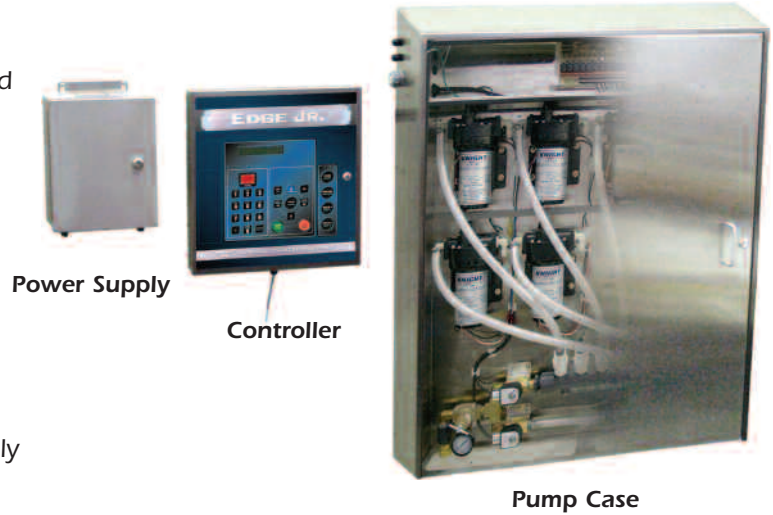
Whether you choose electric diaphragm or air operated pumps for your Edge system, rest assured, Knight pumps are "time tested" with all common industry cleaners and sanitizers.

	 <b>CleanGuard</b>	 <b>AODD Pumps</b>
<b>Pump Name</b>	<b>CleanGuard</b>	<b>AODD Pumps</b>
Pump Type	Electric Diaphragm Pump (EDP)	Air Operated Diaphragm Pump
Flow Rate	5.6 LPM (1.5 GPM) or 12.1 LPM (3.2 GPM) at 4.8 bar (70 PSI)	KAP-25: 15 LPM (4 GPM) or Uniflow KAP-50: 45.4 LPM (12 GPM)
Power Source	230 or 110 VAC	Air at minimum of 8 SCFM
Chemical Compatibility	All Known F & B Products	All Known F & B Products

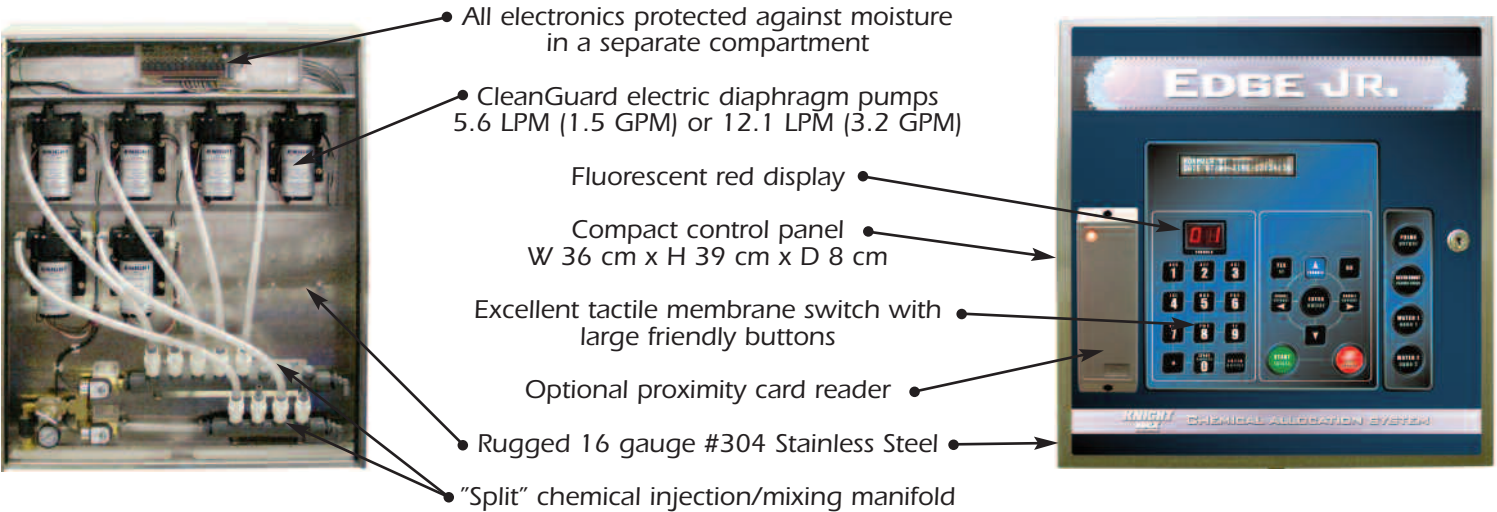
## EDGE JR.

The Edge Jr. is a full featured automatic chemical allocation and data logging system designed for small food & beverage plants where chemicals are dispensed from drums.

- Reliable fast concentrate or "ready to use" dispensing
- Integrated "split" chemical injection/mixing manifold
- Reliable all electric high output diaphragm pumps
- Simple three component installation (Power supply, Pump case, Controller)
- Windows compatible PC software
- One to eight chemicals with dual water injection
- Water tight pump cabinet, user interface and power supply
- Preassembled - ready to install



## EDGE JR. Components



## Features

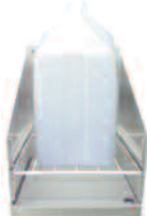
50 Programmable User IDs.	Windows PC Compatible Software	Integrated Water Injection	Easy to Service / Install
50 User Formulas	Split Manifold	Highly Reliable Pumps	Chemical Usage Reports

## EDGE AND EDGE JR. SYSTEM OPTIONS



### Air Operated Anti-siphon Valve

Prevents siphoning of chemicals from bulk tanks or other vessels



### Stainless Steel Shelf

Rugged container shelf with adjustable rack and drip tray. New drip tray design offers more effective chemical drainage.



FoamClean 57 Liter

### Mobile Foamer

FoamClean 25-95 95 Liter



## 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.

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