

# 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/HAACP 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.

### Connect Remotely Via the Internet



### Fast, Simple Reporting

**Sanitation Cost Analysis**

Product	Price/Cat	Inventory	Discharge	Inventory	Discharge	Inventory	Discharge	Inventory	Discharge	Inventory	Discharge	Inventory	Discharge	Inventory	Discharge	Inventory	Discharge
11	1.2	100	15	110	100	100	100	100	100	100	100	100	100	100	100	100	100
12	1.5	225	1.25	10	100	100	100	100	100	100	100	100	100	100	100	100	100
13	1.5	25	25	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14	1.5	150	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100
15	1.2	60	30	30	90	90	90	90	90	90	90	90	90	90	90	90	90
16	1.0	25	25	100	100	100	100	100	100	100	100	100	100	100	100	100	100
17	1.0	100	60	10	100	100	100	100	100	100	100	100	100	100	100	100	100
18	1.5	150	50	35	100	100	100	100	100	100	100	100	100	100	100	100	100

**System Setup**

Unit of Measure:  US  Metric  Imperial

Operating Zone: Start Time: 00:00, Stop Time: 00:00

Flush Settings: Flush Error Delay(sec): 0

Shift Start Times: Shift 1: 06:00, Shift 2: 11:00, Shift 3: 17:00

Report Name: Sanitation Cost Analysis

Number of Users: 10

**Pump List**

#	Pump Name
1	PUMP-01
2	PUMP-02
3	PUMP-03
4	PUMP-04
5	PUMP-05
6	PUMP-06
7	PUMP-07
8	PUMP-08
9	PUMP-09
10	PUMP-10
11	WATER
12	WATER

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!**

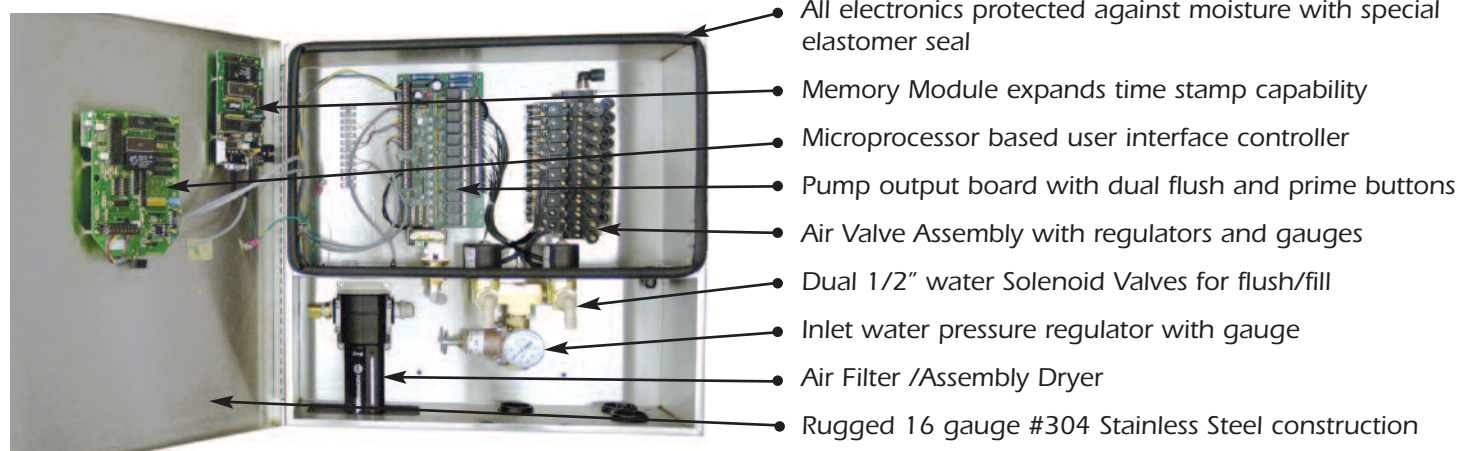
## EDGE Safely Automates and Controls Chemical Dispensing

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.

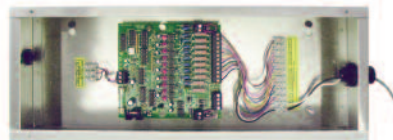


## EDGE Components



## Features

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



Power Supply



Controller



Pump Case

## EDGE JR. Components



• All electronics protected against moisture in a separate compartment

• CleanGuard electric diaphragm pumps  
1.5 GPM (5.6 LPM) or 3.2 GPM (12.1 LPM)

Fluorescent red display

Compact control panel  
W 14.4" x H 15.5" x D 3"

Excellent tactile membrane switch with large friendly buttons

Optional proximity card reader

• Rugged 16 gauge #304 Stainless Steel

• "Split" chemical injection/mixing manifold



## Features

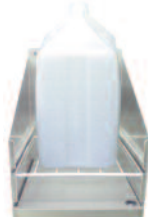
50 Programmable User IDs.	Windows PC Compatible Software	Integrated Water Injection	Easy to Service / Install
50 User Formulas	Split Manifold	Highly Reliable Pumps	Chemical Usage Reports

## 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.



### Mobile Foamer

FoamClean 25-95  
25 Gal / 95 Liter

FoamGuard  
15 Gal / 57 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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