

# HYDRI-VISION



## Inline Titration of Chemicals and Sanitizer Concentrations

### OVERVIEW

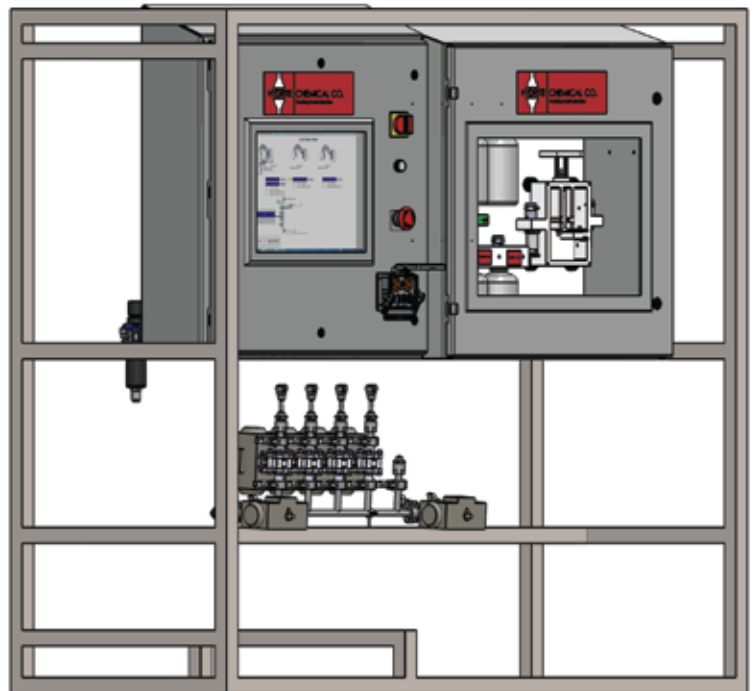
Hydri-Vision is patent pending technology for collecting, analyzing and documenting concentrations of cleaning, sanitation and intervention chemistries. Food safety, verification and validation as well as quality of an applicable finished product are foundational to this creative solution.

### PLANT APPLICATIONS

- CIP or COP
- High Heat
- Filtration
- Circulation, Reuse or Reclaim System
- Chillers or Soak and Dip Tanks

### REQUIRED UTILITIES

- 120 VAC power
- ½" minimum potable water supply (with backflow prevention) for titration post rinses and 100 PSI sanitary air (with filter and regulator)



### SPECIFICATIONS

- Additional information available upon request

Providing Creative Solutions



# Providing Creative Solutions

## FEATURES

- Allen Bradley or Circuitry Platforms
- UL Approved
- Automated or Manual Sample Collection
- Concentrations available in “Oz per Gallon” and “PPM”
- Operational Alarms and Safeguards
- Detailed Reporting Structure

## BENEFITS

- Performance Check Tool
- Eliminate manual titrations and record keeping
- Regulatory compliant documentation
- Robust and flexible technology

Below is an overview of results from a recent third-party accredited study, comparing the accuracy and precision of Hydrite’s automated titration system (Hydri-Vision) to manual operator titration.\* These results show how the benefits of Hydri-Vision can be realized throughout multiple applications of cleaning, sanitation and intervention chemistries.

Please contact us for additional study details.\*\*

Product	Units	Expected Value	Average Observed Concentration		Actual Observed Concentration Range	
Chelated Caustic	oz/gal	1.5	1.7	1.68	1.4-2.1	1.61-1.75
Ultra 1030	oz/gal	1.0	1.2	0.99	1.0-1.5	0.95-1.03
Chloroclean #269	oz/gal	0.5	0.6	0.52	0.5-0.8	0.39-0.81
Cir Kleen #265	oz/gal	0.5	0.6	0.62	0.5-0.7	0.51-0.72
San-I-King #451	ppm	200	185	200.54	150-250	192.20-203.97
Dictate #465	ppm	100	89	91.72	75-110	77.11-98.18
Image #186	oz/gal	1.0	1.1	0.84	0.7-1.6	0.80-0.91
Ultra LFA #176	oz/gal	1.0	1.2	0.87	0.9-1.6	0.81-0.95
Hydroxysan Plus #490	ppm	120	134	116.42	104-195	103.69-130.74
Sustain #464	ppm	120	137	119.44	104-169	107.34-139.46

\* The study protocol outlined the receipt, chain of custody, handling, sample preparation and testing details for analysis of up to 10 cleaning products.

\*\* Test data and test results contained in this document are for general information only and shall not be relied upon for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Hydrite for further information.

 Manual  Auto