



Introduced conductivity probe technology to the Boiler Industry in 1959

Industry Leader with Drum Level instrumentation specified by major contractors, OEM's and users

Complete line of products to 3000 PSI

Over 100 years of manufacturing experience

Knowledge, Corporate Stability, Quality Service

Active Members of 

RELIANCE BOILER INSTRUMENTATION

Designing & Manufacturing Boiler Level Control Systems since 1884, Clark-Reliance has become the most recognized and trusted name in boiler-trim controls and operation. That position has been accomplished by the continued commitment to excellence in quality product performance and customer service. These values are core competencies at Clark-Reliance.

From introducing the first alarm water column to the new microprocessor based Electro-Eye-Hye® 2000, Clark-Reliance continues to lead the industry in boiler control safety, performance, and new product development. These innovations are also available to modernize your existing level control systems, and improve reliability.



Reliance®
A PRODUCT OF CLARK-RELIANCE

leading the industry with the most complete line of innovative products and solutions

Agency Approvals



Clark-Reliance® designs and develops product specifications consistent with the customer's use for that product, and ensures that all products and services conform to their established quality specifications.

For the latest product and application solutions, visit clark-reliance.com



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BOILER INSTRUMENTATION

WATER COLUMNS



Water Column
High Pressure with Probes
and Simpliport®



ElectroLev Probe Column



Retropak
Conversion Kit

- Water Columns to 3000 PSI
 - High & Low Level Alarms
 - Low Water Cutouts
 - Conductivity Probes
 - Retropak Conversion Kits (Float to Probe – up to 900 PSI)
- Direct-to-Drum Assemblies

WATER GAGE GLASSES

See video at www.simpliport180.com



Prismatic (Reflex)
Water Gage



Simpliport® 180
Water Gage System
with LED Illuminator

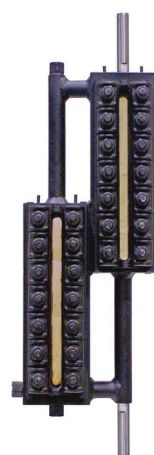
- New Simpliport® 180 Water Gage System with LED Illuminator and Wide Angle Viewing Hood



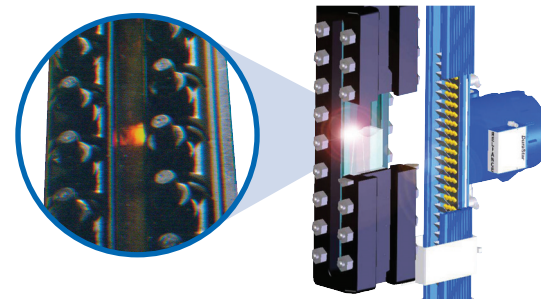
"I've never seen a gage that you can see so well from extreme angles. With this sight glass, I'm standing anywhere within 180° of it, the level is visible."

– Bob Martin,
Maintenance, Municipal Power Plant

- Water Gage Glasses
 - Prismatic (Reflex Type) to 350 PSI
 - Flat Glass (Transparent) to 2000 PSI
 - Simpliport (Bi-Color) to 3000 PSI
- Isolation Valves (Bronze or Steel)
- Illuminators
 - High Contrast Superior Visibility Day or Night
 - Maintenance FREE
 - Field Upgradable
 - Long Life – 100,000 hours
 - No Heat Generation
 - Continuous or "On-Demand" Level Indication
 - Amber LEDs for high intensity "star-like" image of the water line
 - Longest Field-of-View



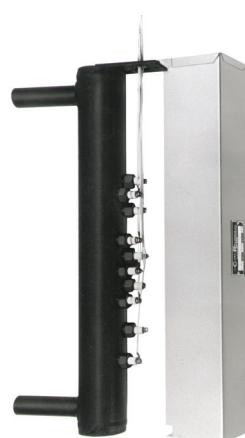
Flat Glass Water Gage



Flat Glass Water Gage with DuraStar Illuminator Illustration

ELECTRO EYE-HYE SYSTEMS®

COLUMNS AND PROBES



Electrolev Columns



New Brazed Probe Option

- Electrolev Columns with Conductivity Probes
 - Pressures to 3000 PSI
 - Teflon, Zirconium, Repairable, Compression or Brazed Probes
- Options
 - Vessel Connection Flexibility
 - Integral Prewired Junction Boxes
 - Insulation Jackets

OPERATION AND PERFORMANCE

- Electro Eye-Hye Systems are manufactured to meet ASME® boiler code (section 1) requirements
- Over 9000 in operation worldwide
- 50 years of unmatched safety

"We are very satisfied with Clark-Reliance products. They work well, last long and have great support."

– George Machuta,
Maintenance Supervisor

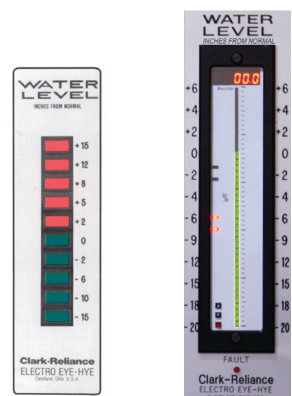
CONTROL UNITS



ECIL Series Control Unit

- ECIL Series
 - Traditional
 - Relay Module Based
 - Alarms & Trip Circuits
- Options
 - Weatherproof Enclosures
 - Indicators on door
 - 4-20 mA Output

LOCAL AND REMOTE INDICATORS



MTI- Bi-color Series TCB Tri-Color

- Miniature Series
- Tri-Color Series
- Options
 - Enclosures
 - Mounting Brackets



TWIP



TWIP Column

- TWIP® (Turbine Water Induction Protection) – Level Switches
 - Heater Applications
 - Drip Less
 - Deaerators
 - Condensate Tanks

LEVEL SWITCHES



(BC & XC Series)

- External Cage
 - The float operated external cage level switch features the unique tri-magnet design offering anti-vibration snap action without the use of springs, cams, or mercury.
- Features:
 - Tri-Magnet switching
 - 316-SST Trim
 - ANSI B31.1 & B31.3 Design
 - No exposed moving parts
 - NPT enclosure mounting connection

LEVEL TRANSMITTERS

Reliance Level Transmitter is one of the most advanced available, utilizing the proven buoyancy principle and incorporating state-of-the-art electronics.



Displacer
Transmitter

- 2 wire 24 VDC loop powered
- Hart Digital communication
- Simple local or remote calibration
- Operational flashing LED
- LVDT Technology



EA100 Series
Float Type



EA101 Series
Conductivity Probe

- Auxiliary Low Water Cutouts (Levalarms)
 - Conductivity Probe Models to 1800 PSI
 - Float Actuated Models to 800 PSI
 - EA100 Retropak



Retropak Assembly
(Float to Probe)

SureStart™ Operator Assurance Program

Clark-Reliance's **SureStart** Program ensures your boiler level indication and control instrumentation will provide years of safe and reliable service in compliance with Section I of the ASME Boiler Code.

A direct Clark-Reliance employee will spend the day at your facility. We will verify the equipment installation, and conduct operation, use and maintenance training sessions with your operators. **SureStart** gives you the education and training necessary to provide safe and reliable level indication and control.

Power Boilers contain one of the harshest environments on earth, with extreme temperatures and pressures seen nowhere else. These conditions demand robust and reliable equipment. The safe and reliable operation and maintenance of this equipment is **SureStart's** primary goal.

SureStart is an included service on qualified Boiler Control Systems manufactured by Clark-Reliance. In Clark-Reliance's 125 years of manufacturing boiler level controls, the importance of on-site training and education is second only to product quality. Clark-Reliance's **SureStart** provides that knowledge.

Our investment in the **SureStart** program greatly reduces warranty issues and disputed claims due to improper installation and/or operation. And the benefit to you – **Maximum Cycle Life, Increased Safety, and Years of Reliable Service.**

