

LCM Liquid Level Solutions

Announcing Clark-Reliance® Liquid Level Control Products

Liquid Level Gages, Gage Valves,
Indicators, Monitors, and Transmitters
for Accurate Liquid Level Indication



Experience A Higher Level of Accuracy

With Crume Sales and Clark-Reliance® Liquid Level Products

Series 20 Reflex and Transparent Gages

The Series 20 is the most commonly specified gage and will cover 80-85% of all applications encountered. Features include recessed gasket surfaces & shrouded covers.

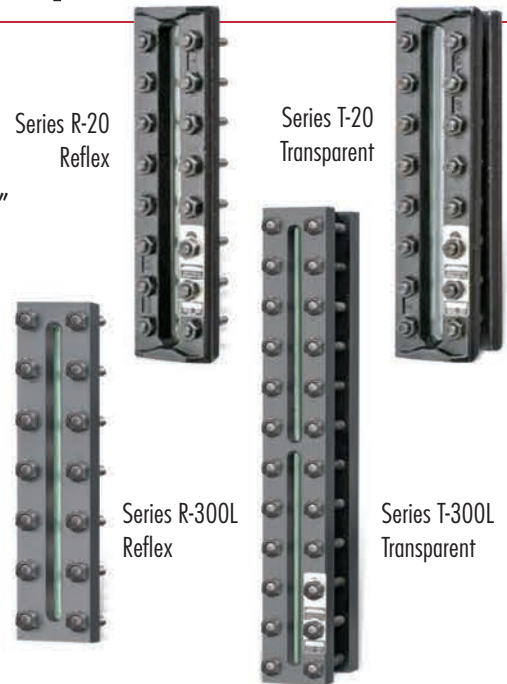
- Pressure: Up to 3270 psi
- Temperature: Up to 800°F
- Visible Length: 3 3/4" up to 125 1/2"
- Connections: 1/2" & 3/4" FNPT
- NACE MR0175 & MR0103

Series 300L Reflex & Transparent Gages

An economical gage with increased visible range. Features include Jerguson 25mm glass, recessed gaskets, non-shrouded covers and ASTM grade bolting.

- Pressure: Up to 300# ANSI
- Temperature: Up to 600°F
- Visible Length: 12" up to 126"
- Connections: 1/2" & 3/4" FNPT
- NACE MR0175 & MR0103
- ASTM or ASME B31.3 parts

NOTE: Series 20 & 300L not for high pressure.



JERGUSON®
A PRODUCT OF CLARK-RELANCE

Series 146 & 147 Integral Bonnet Gage Valves

Provides long trouble-free service at an economical cost and are perfect companions for Jerguson® liquid level gages.

- Stainless steel stem and ballcheck
- Ballcheck instantaneously shuts off flow in case of gage failure.
- Union connection provides easy removal of gage without draining.
- Gage connections are offset 7/8" for easy swabbing of the glass without draining.
- Connections: 1/2", 3/4" & 1"
- Valve Rating:
2400 PSI @ 100°F
1323 PSI @ 800°F

NOTE: Not for steam service.

Series 364 Safety Ballcheck Gage Valve

Patented innovative core design, locating an internal ballcheck within a metal seated valve which guarantees proper commissioning, eliminates operator error and improves safety and reliability.

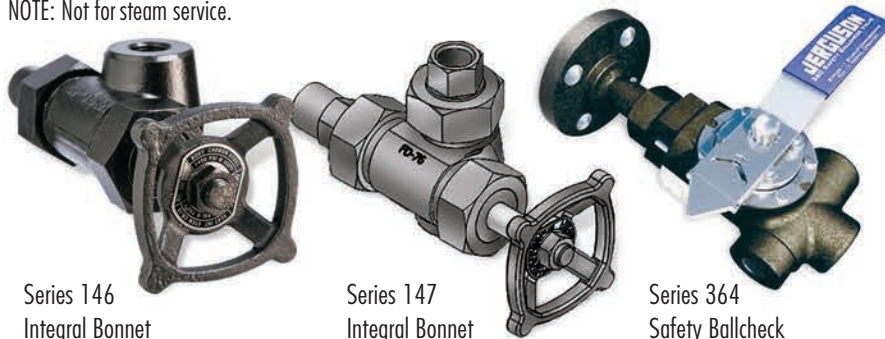
- Carbon steel & 316 stainless steel
- Connections: 1/2" FNPT & 2" MNPT
- Pressure: 900# ANSI
- Quarter turn position locking handle clearly indicates operation status.
- Meets API Class V shut-off requirements
- Low emission to API 641 & ISO 15848-1
- NACE MR0175 & MR0103

NOTE: Not for steam service.

Series JMSVT Vibrating Tuning Fork Level Switch

Using the principles of a tuning fork, Piezo-electric crystals force the forks to oscillate at fundamental frequency, natural resonance. If installed as a high alarm, forks are free to oscillate in air. As liquid level rises, the forks dampen and signal the JMSVT to switch.

- Resistant to bubbles & vibration
- Heartbeat Led, failsafe high, magnetic test point & hygienic fittings
- Small fork for minimal vessel intrusion
- Reverse polarity protected
- Material: Wetside: 316L S.S.
Dryside: 304 S.S.
- Connections: 3/4" & 1"
- Temperature:
Wetside: -40°F to 302°F
Ambient: -40°F to 176°F
(122°F if wetside is 302°F)
- Pressure: 1480 psig max.



Series 146
Integral Bonnet

Series 147
Integral Bonnet

Series 364
Safety Ballcheck

JERGUSON®
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Magnicator® II

Magnetic Liquid Level Indicator

This unique design uses two 360° annular Alnico 8 ring magnets with opposing north poles. The force deflection creates a field stronger than any other float magnet arrangement, greater than 90 gauss at the centerline of indicator flags. Physics has guaranteed that the Magnicator float has the strongest magnetic field which translates to the most reliable instrument.

- Pressure: Up to 3500 psig
- Temperature: -328°F to 1000°F
- Flash proof indicator eliminates float damage.
- Process Connections: 1/2" thru 6"
- 150# thru 2500# ASME flanges

- Optional chambers & flags available
- ASME B31.1 & B31.3 compliant
- Standard Sch 40 chamber construction, Sch 80 & 160 for high pressure
- NACE MR0175 & MR0103
- Optional materials of construction
- Replaces sight glasses
- Reduced maintenance
- No glass, no leak paths
- Optional visual indicators
- Cryogenic or high temperature service
- Optional NightStar® LED illuminators upgrade for 24 hour visibility.
- Guided wave radar for actual fluid level
- Measurement Range: 12" to 240", Up to 60' available.
- Optional magnetostrictive transmitter, Reed switch transmitter and low power Reed switch.



Magnicator® II
Magnetic Liquid
Level Indicator



MTII-4300
Magnetostrictive Transmitter

JERGUSON®
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Simpliport® 180 Water Gage System

View boiler water level at any angle or distance. Installed worldwide since 1962, Simpliport® boiler water level glass gages provide reliable direct-reading, bi-colored indication. Design improvements have made installation and maintenance much easier.

- 120 or 240 VAC powered
- High intensity 10 year red & green LEDs
- Pressure: Up to 3000 psi
- Ambient Temperature: -40°F to 170°F
- Easy to install, maintain and field retrofit.
- Indoor or outdoor use
- 304 stainless steel cage, illuminator and wide angle optic hood
- Meets ASME Boiler Code, Section One
- Commissioning kit included
- See steam & water levels easily within 180° viewing angle of the wide angle hood.
- No hot-torquing required
- Spiral wound sealing gaskets
- Lengths: 10 1/4" to 71 5/8"



Eye-Hye® smart level panel,
remote indicator enclosure,
control unit and probes
(450 psi & 1000 psi)



Simpliport® 180 boiler water level glass
gage LED illuminator &
viewing hood



Eye-Hye® SmartLevel™ Boiler Level Indication System

System intelligence can distinguish dirty probes from probes that need to be replaced, eliminating the need for frequent blowdowns. By notifying operators that the probes need to be cleaned, the system helps provide reliable, accurate boiler water level. Safety is enhanced and turbine and generation efficiency are optimized.

- Pinpoints any module or peripheral failure in the system to simplify repair.
- Multiple remote monitors for easy monitoring and increased safety.
- Standard compact control monitor panel
- Global Power: 85 to 264 VAC 50/60 Hz
- Indicator cycles with controller for continuous fail safe communication.
- NEMA 4X-IP66 rated enclosures
- Repairable one-piece conductivity probes

Clark-Reliance®

Jacoby Tarbox® Full-View Sight Flow Indicators

Series 100/200 Threaded and Series 600/900 Flanged

Threaded and flanged bulls-eye sight flow indicator models are engineered to meet ASME B31.1 & 31.3 Power and Chemical Piping Codes. ASTM standard materials of construction. Full rated ASME systems are available.

Out Of The Box Compliance

- ASME B31.1 & B31.3
- NACE MR0175/ISO15156-1 MR0103*
- API 614
- CRN — All Provinces
- PED (Specify for proper tagging)
- *All Wetted Metals
- Minimal pressure drop. Non-rotor models have unrestricted flow with internal openings no smaller than the pipe's inside diameter.
- Safely view process properties such as color, clarity, air enhancement & interface.
- Single or dual windows. Process view maximized to match or exceed inside pipe diameter.
- Economically view drain, lube, hydraulic, condensate, food and return lines.
- Flanged Sizes: 1/2" thru 16"
- Threaded Sizes: 1/4" thru 2"
- Threaded Press.: ASME Cl. 150 & 150 psig
- Flanged Press.: ASME Cl. 150
- Temperature Rating: -20°F to 500°F
- Flanged ratings up to 1500°F
- Optional sight flow indicators available. (Specify flow direction and orientation)



100/200 Threaded



600/900 Flanged

JACOBY-TARBOX®
A PRODUCT OF CLARK-RELIANCE



Plain



Flapper



Rotor



Drip



Gas



Farris pressure relief valves for gas, air, steam and liquid applications for safety and compliance



ABZ™ Valves lug and wafer style double & triple offset and resilient seated butterfly valves, and actuation



Oil States Piper Valve compact manifold ball and check valves, and system components



Graco® pneumatic, solar and electric chemical injection pumps, tanks and systems

Call Your LCM Valve Expert Today! (432) 332-5516

LCM's dedicated process valve specialists are waiting to help you specify the right product or service for your application. **CONSIDER IT DONE.**

West Texas • Corporate Office
1606 Viceroy • Odessa, TX 79763
Phone: (432) 332-5516
Fax: (432) 332-5519

East Texas
815 B Jamaica Road • Longview, TX 75604
Mobile: (903) 576-6644
www.lcmindustries.com

