



Our Know-How. Your Peace of Mind.  
Steam Solutions

**Rawson**  
an **ERIKS** company

**ERIKS**

# Steam Solution Know-How

Our team of specialists have years of experience in planning and engineering. This knowledge, combined with our valuable manufacturer partnerships, allows us to provide you with the **full steam system solution** by offering:

- A complete and quality product and component offering
- Steam surveys, steam management, in-field reparability and ongoing consultation of your steam systems
- The latest and most innovative state-of-the-art product technologies to:
  - Collect data about your steam and plant air systems
  - Identify inefficiencies
  - Offer suggestions to improve production capabilities

The image displays a variety of industrial steam components. At the center is the **Rawson** logo, with the tagline "an ERIKS company". Surrounding the logo are several product categories:

- TLV Thermostatic Steam Traps**: A cylindrical metal trap with a hexagonal top and bottom.
- TLV Thermodynamic Steam Traps**: A trap with a distinctive T-shaped body and a top cap.
- TLV Steam and Condensate Manifolds with Integral Sealed Valves**: A vertical manifold assembly with multiple ports and valves.
- TLV Mechanical Free Float® Steam Traps**: A trap with a complex, multi-part mechanical design.
- Ball, Gate, Globe & Check Valves**: A valve with a prominent blue handwheel.
- Copes-Vulcan Steam Desuperheaters**: A long, thin metal component with a red flange at one end.
- Pre-Insulated Tubing**: Several tubes with different insulation layers and colors.
- Copper & Stainless Instrument Tubing**: A close-up view of various metal tubes.

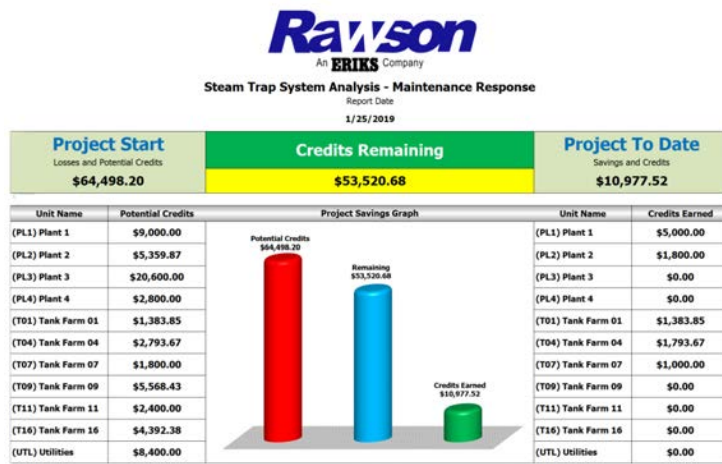
Our specialists are equipped to solve a variety of common and complex steam issues to help you determine areas of waste, reliability, and safety.

# Surveys & Services

Rawson, an ERIKS company, provides a detailed and comprehensive analysis of all steam, condensate and other areas needing service or replacement. Our Energy Management & Technology (EMT) steam solution offering yielded the following results for our customers:

## Our steam trap surveys and testing provide:

1. Detailed TLV TrapMan® testing of every trap on site (steam trap database management)
2. Engineering assistance
3. An accurate reading on how much steam you're losing through our factory-trained technicians that use state-of-the-art software
4. Recommendations through comprehensive reporting with suggestions for steam trap replacement, repairs or modifications
  - Steam Trap replacement suggestions are primarily based upon TLV's Steam Trap Application Review or "STAR" agreed upon by the site standard engineering specifications and included for each condensate discharge location regardless of test result
5. Post-survey training and auditing
6. Ongoing maintenance response management



## Instrument and Equipment Protection prevents accidents and maintenance disasters from occurring. We provide:

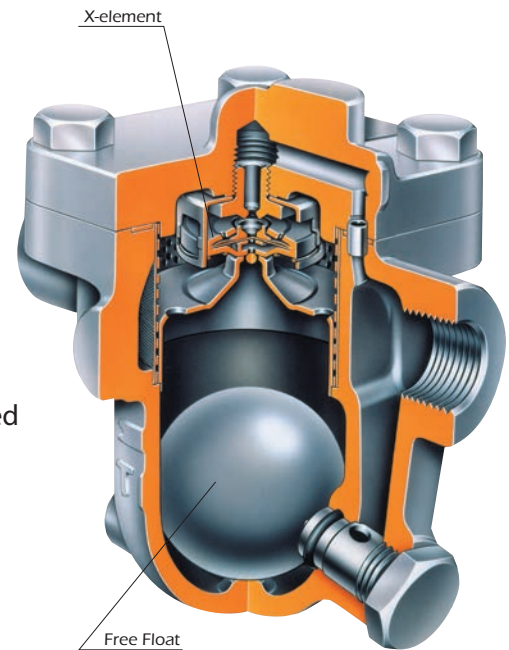
- Pre-insulated tubing
- Copper and stainless instrument tubing



# Advanced Steam Trap Technology Offering

TLV's Patented Free-Float® Technology - provides a continuous flow which provides a variable orifice

- Reliable and durable cast iron, cast steel or stainless steel steam trap with tight shut-off for use on process equipment and distribution headers
- Self-modulating free float design provides continuous, smooth, low velocity condensate discharge as process loads vary
- Precision-ground float, constant water seal and three-point seating design ensure a steam-tight seal, even under no-load conditions
- Only one moving part, the free float, prevents concentrated wear and provides long maintenance-free service life
- Automatic air venting removes air and non-condensables during start up. Vent closes at steam temperature
- Built-in strainer screen with large surface area ensures extended trouble-free operation
- Easy, inline access to internal parts simplifies cleaning and reduces maintenance costs



## TLV's Steam and Condensate Manifolds with Integral Sealed Valves – M & MP Series

Utilize the rugged, compact and versatile design of TLV's all-in-one packages for steam distribution and condensate collection to simplify and rationalize the control of your steam system. The compact size reduces installation space and organizes different steam and condensate lines, steam traps and isolation valves into one manageable package.

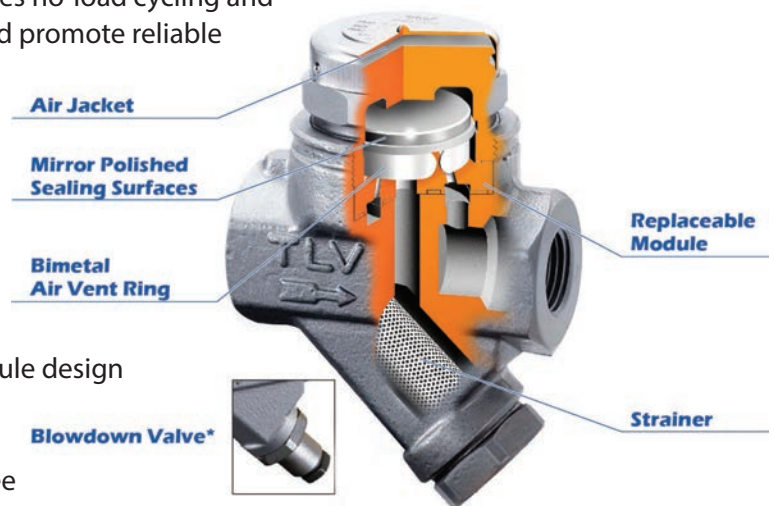
- Compact and versatile design minimizes installation area and easily adapts to plant requirements
- Choice of bellows sealed or piston sealed valves
- Durable, forged steel body means high endurance and long service life, which leads to minimized maintenance and replacement costs
- Stellite hardened surfaces on valve plugs and valve seats provide a reliable seal
- Built-in blowdown and drain connections
- Manifolds with various numbers of branches, including 4, 8, 12, 16 and 20 branch models available incorporating shutoff valves and steam traps
- Custom designs are available

**“Our steam trap technology and quality products are the preference of some of the largest refineries and petro-chemical plants in the world!”**



## TLV's PowerDyne® Disc Trap Redefines the Disc Trap Concept – reduces cycles to help reduce wear on the disc and leads to longer service life

- Longer service life - Air-jacketing reduces no-load cycling and hardened valve trim to reduce wear and promote reliable operation
- Energy conservation - Mirror polished, lapped disc provides steam-tight seal without air binding
- Increased productivity - Quick thermostatic air venting with bimetal ring for fast start-up
- Easy maintenance – Replacement module design enables quick inline steam trap repair, reducing maintenance costs and built-in screen for extended trouble-free service



## TLV's QuickTrap® Universal 2-bolt Connector and Steam Traps – provide convenient trap replacement for multiple pipe configurations

- Trap installation and replacement in minutes
- Inline replaceable trap with a 2-bolt universal connection offers high air venting capability for steam mains, tracers and coils
- Two-bolt universal connection allows replacement of trap body with valve seat in minutes without disturbing piping reducing maintenance costs
- Universal connector permits trap installation in the correct orientation with optimum positioning regardless of existing piping configuration
- Screen located in the built-in wye-strainer helps prevent rust, scale and debris from entering and clogging the trap
- Debris is easily removed via the optional blowdown valve, further reducing maintenance costs associated with cold or blocked trap replacement



## Full line of Wye-Strainers – we will also weld the blow down valve (which we can also provide) to the wye-strainer to provide a full system solution

- Sizes – 1/2" thru 24"
- Class – 125# thru 2500#
- Material – Cast Steel, Cast Iron Stainless, or Alloy Steel
- Connection – Threaded, Flanged, Socket or Butt welded
- Provided with blow out valves if needed, threaded or welded

## Steam Desuperheaters & Critical Service Control Valves

- Steam pressure let-down
- Steam desuperheating





DOCUMENTED  
ENERGY COST  
REDUCTIONS



LONGER  
PRODUCT  
LIFESPANS



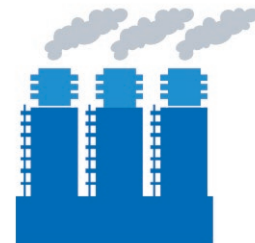
ENHANCED EFFICIENCY,  
PRODUCTIVITY AND  
RELIABILITY



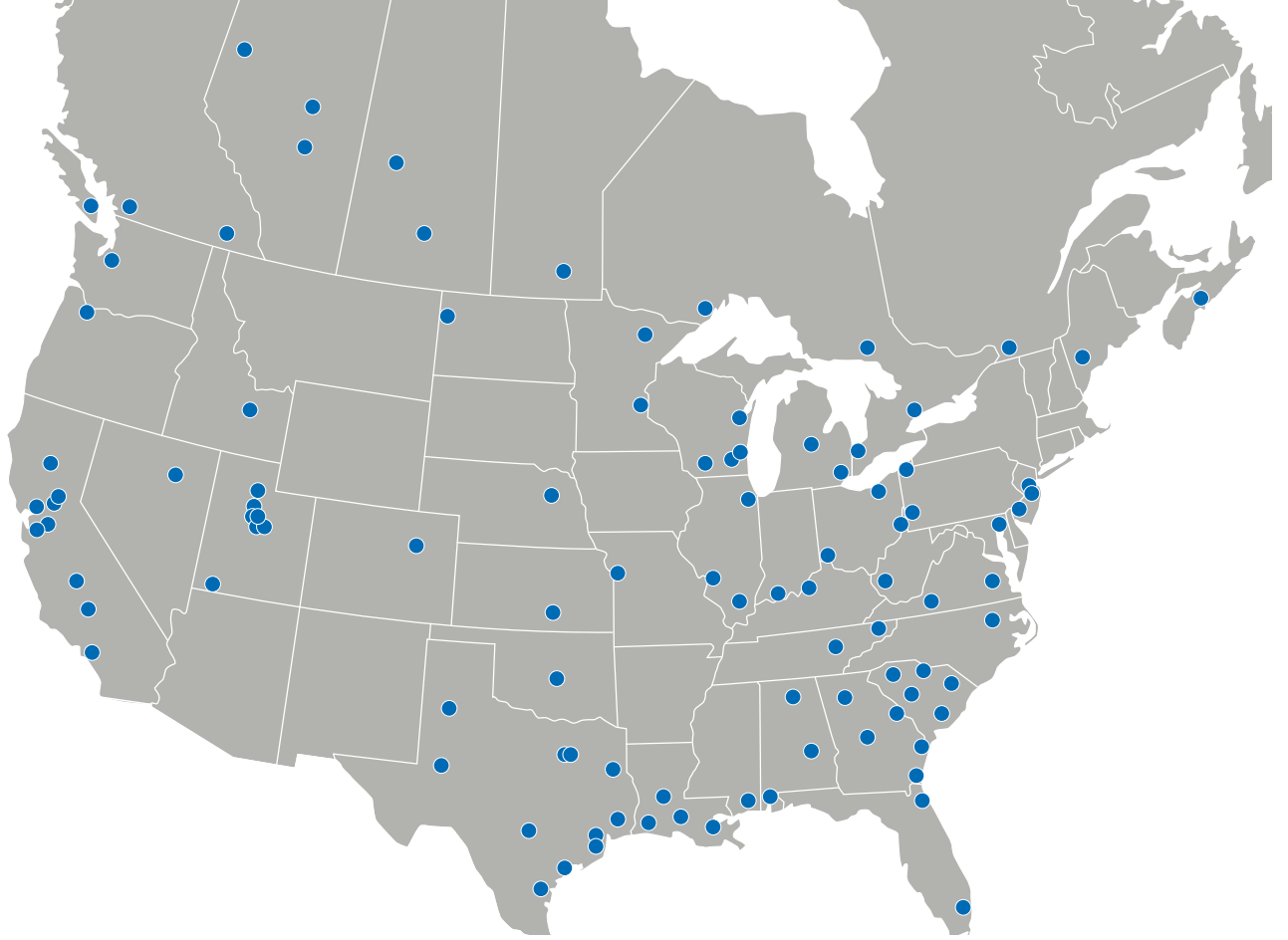
REDUCED DOWNTIME  
& UNSCHEDULED  
INTERRUPTIONS



UPGRADED  
SAFETY



REDUCED  
STEAM LOSS



We offer complementary products and services across multiple industries.

- Conveying Systems
- Engineered Plastics
- Filtration
- Gaskets
- HVAC Controls & Measurement
- Hydraulic Hose
- Industrial Hose
- Instrumentation
- Process Controls & Measurement
- Seals
- Valve Automation
- Valves

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