

THE NEXT GENERATION OF REFRIGERATION EQUIPMENT FOR



Visit t-rp.com or call
1-800-463-9517
for more information



With over 80 years of experience as North America's leading manufacturer of commercial refrigeration products, we have brought our expertise in design, engineering, manufacturing, sales, and aftermarket support to create A2L-optimized systems across our entire product lineup.

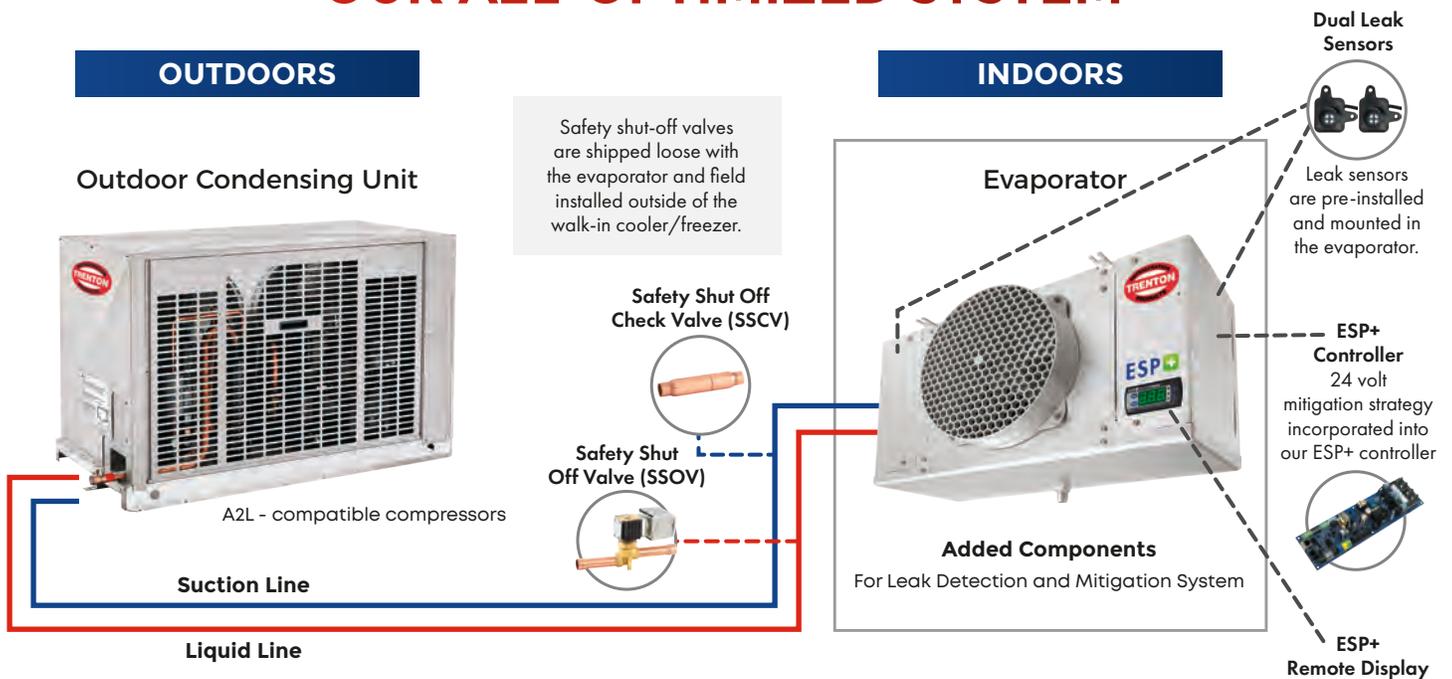
WHAT IS A2L?

A2L is the next generation of responsible refrigerants with lower GWP (Global Warming Potential), lower toxicity, increased efficiency (reducing energy consumption and emissions), and rated as mildly flammable.

REFRIGERANT USE

Our A2L-compatible evaporator and condensing unit systems utilize R-454A, R-454C, and R-455A.

OUR A2L-OPTIMIZED SYSTEM

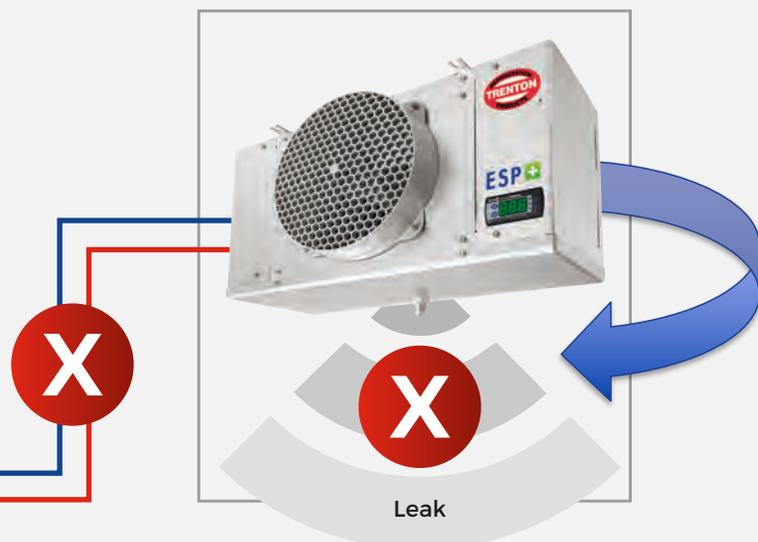


INDUSTRY LEADING MITIGATION STRATEGY

A2L is mildly flammable requiring additional components to be added to the system to ensure its safety. We have developed an RDS (Refrigerant Detection System) with dual leak sensors and a 24 volt mitigation system.

When a sensor detects a refrigerant leak, the safety shut-off valves will isolate the evaporator to limit the releasable charge leaked and keep the evaporator fans running to circulate the air and dissipate the gas.

Our dual leak detection and 24 volt mitigation system exceeds the required standards and incorporates high quality safety mechanisms required for A2L refrigerants.



EASY TO INSTALL A2L SYSTEMS

Our A2L-optimized systems are designed for convenient, straightforward field installations with both mechanical and our ESP+ intuitive control technology.

Our dual leak detection sensors and 24 volt A2L safety mitigation system are factory-installed to ensure optimal positioning and maximum safety.

Only two additional steps are added to your current installation process.

- 1** Install two safety shut-off valves on the line set outside of the walk-in cooler/freezer.
- 2** Connect two low-voltage wires from the SSOV (Safety Shut Off Valve) to the evaporator.

We use quality leak detection components that require no sensor calibration or re-zeroing over a 15+ year lifetime.



DISCOVER THE FULL CAPABILITIES OF YOUR A2L COMMERCIAL REFRIGERATION SYSTEM WITH OUR ESP+ INTUITIVE EVAPORATOR CONTROL TECHNOLOGY

- Updated controller for A2L refrigerants.
- Precise Temperature Control: Ensures improved product integrity and quality.
- Energy-efficient Operation: Achieve 15-20% energy savings for your system.
- Easy to Install and Operate: With only two pipes, two wires, and two safety shut-off valves installed in the field, setting up an A2L system becomes quick and easy.
- Mobile App for System Management: Manage system settings, perform diagnostics, troubleshoot, or service using the built-in display, laptop, remote monitoring, or mobile app.



All our A2L compatible “E-Generation” products are “Dual Rated” and support both A1 refrigerants and A2L refrigerants allowing for futureproofing against regulation changes.

FAQ'S

WHAT A2L REFRIGERANTS WORK IN TRENTON REFRIGERATION SYSTEMS?

Our A2L-optimized evaporator and condensing unit systems utilize R-454A, R-454C, and R-455A.

WHICH TRENTON REFRIGERATION SYSTEMS ARE A2L COMPATIBLE?

We offer A2L-optimized systems across our entire product lineup. This includes evaporators, condensing units, multi-compressor units, condensers, coils, air handlers, heat reclaim systems, and parallel compressor systems.

HOW FLAMMABLE IS A2L REFRIGERANT?

A2L refrigerants are mildly flammable with a slow burn velocity (under 10 cm/s), making them less risky than highly flammable types. They require higher concentrations to be combustible and are not a significant hazard during everyday use; however, they are more flammable than A1 refrigerants. Safety measures, such as equipment design, technician training, and leak detection, are necessary.

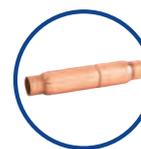
HOW DOES YOUR SYSTEM PROTECT AGAINST A2L REFRIGERANT LEAKS?

We developed an RDS (Refrigeration Detection System) with dual leak sensors and a 24 volt mitigation system. When a leak is detected, safety shut-off valves isolate the evaporator, limiting refrigerant leakage while fans continue to circulate air and dissipate gas. Our mitigation strategy exceeds industry standards and includes high-quality safety features for A2L refrigerants.



**DUAL LEAK
DETECTION
SENSORS**

OVER 80 YEARS EXPERIENCE



**SAFETY
SHUT
OFF
VALVES**



**EASY TO
INSTALL
A2L
SYSTEMS**



**INDUSTRY
LEADING
QUALITY**

**THE NEXT GENERATION OF
REFRIGERATION EQUIPMENT FOR**



**R-454A
R-454C
R-455A**

**24
VOLT
MITIGATION
SYSTEM**

**COMPLETE
PRODUCT LINE UP IS
A2L
OPTIMIZED**

**INDUSTRY LEADING
MITIGATION STRATEGY**



Available Exclusively from United Refrigeration Inc.



Brantford, Ontario – Longview, Texas
t-rp.com

We design and manufacture a complete line of commercial refrigeration products.
Find out more at t-rp.com or call us at (519) 751-0444 or 1-800-463-9517



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