

LT-SERIES

Reliable, Precise Temperature Stability
4kW and 8kW Capacities



1. Two compressors in cascading configuration
2. Two independent, standard refrigerants for easy service
3. Microprocessor-based control with onboard diagnostics and alarms
4. Full ability for communication to the process
5. Pressurized fluid circuit with nitrogen overlay to eliminate humid air that could yield ice crystals in the system
6. Expansion tank pressurized to 15 psi

-70°F Low Temp Production Unit

This water-cooled platform is comprised of dual-compressors in a cascading configuration with two independent refrigerant loops for maximum cooling. It is ideal for those specialty applications with extremely low temperature requirements.

PRODUCT SUMMARY

- Efficient water-cooled condenser
- Closed-loop system
- Offered in 4kW and 8kW capacities
- Pressurized loop for silicone-based fluids
- Refrigerants used include:
Stage 1 - 404A
Stage 2 - 508B
- Fluid setpoint from -20 to -70°F
- Rated at 65°F condenser water temperature with maximum 85°F
- Temperature stability $\pm 3^\circ\text{F}$
- 18-month parts and labor warranty
- Built to UL 508A and UL60335
(optional cUL certification)
- 18-month parts and labor warranty
- 24/7 service and support

BASE CONFIGURATION

- Microprocessor-based control
- Cascaded dual compressors
- Brazed plate evaporator
- Manual fluid bypass valve
- Pressurized system w/ expansion tank
- Refrigerant and tank sight glasses
- Circuit breaker disconnect
- 3" Armaflex insulation
- Tri-clamp fluid connections
- Flow meter

OPTIONS

- Air-cooled configuration
- Pressure and flow pump upgrades
- Inlet condenser water filter
- Remote controller
- Communication protocols
- cUL certification