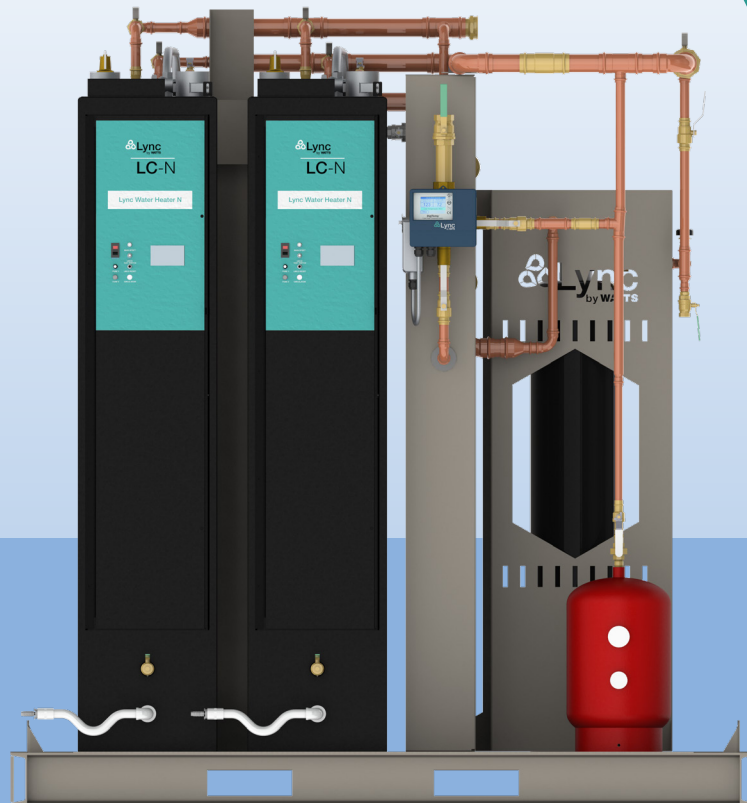


LC-N

Complete Domestic Hot Water Solutions



400-1000 MBH

Lyncbywatts.com

 **Lync**[®]
by **WATTS**

Compact, Reliable Systems with Built-in Redundancy

LC-N is a complete domestic hot water system solution fully engineered, designed and assembled by the manufacturer to deliver safe, reliable hot water through a compact, high-performing, energy-efficient system.

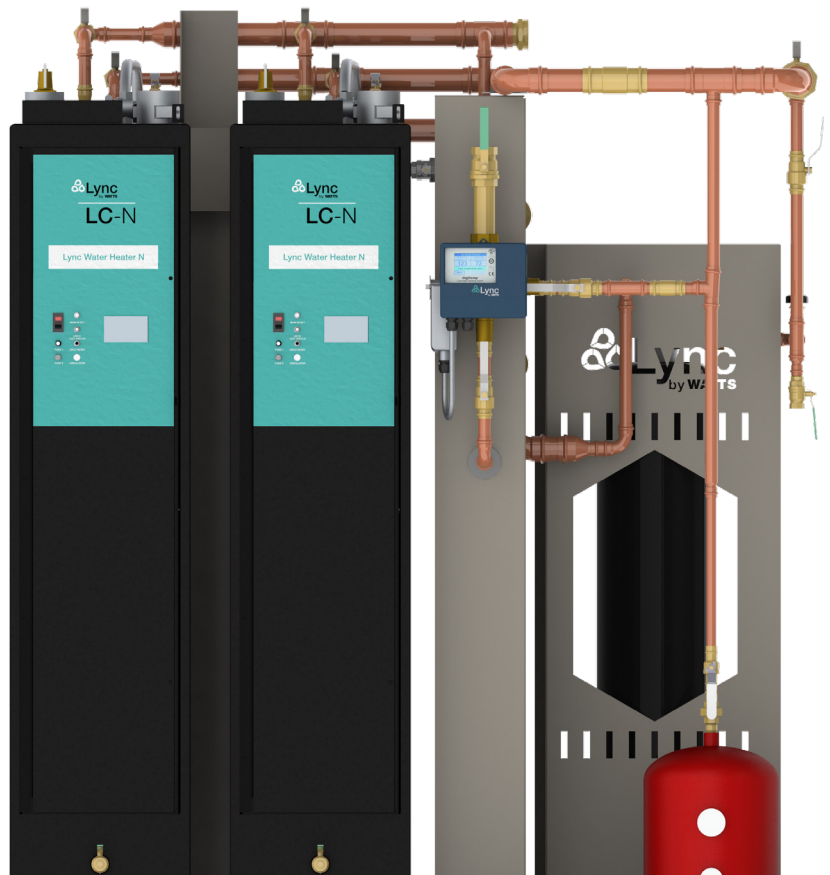
Featuring built-in redundancy, the LC Series incorporates high-efficiency water heaters, precise digital tempering valves, and MAC anti-scale technology. Available in a wide range of capacities, the LC Series offers several configurable options to meet a variety of site conditions. The system also features component uniformity and simplifies complex system designs so they can be easily integrated into plans - minimizing planning, design and installation time and costs.

LC-N is an ideal solution for both new construction and retrofit projects across a variety of applications, including hospitality, restaurants, fitness centers, healthcare, industrial, multifamily and education facilities.

LC-N

Ideal for applications with occasional high load demands and in places very tight on space.

- Gas condensing water heaters
- Configurable with 2 to 5 water heaters
- 398-995 MBH
- Up to 96% thermal efficiency
- 7:1 turndown
- 50-125-gallon internal buffer storage
- N+1 redundancy without oversizing
- Separate recirculation connection



Designed and Pre-assembled for Optimal Performance

Because Lync's LC-N is a complete, fully engineered and pre-assembled domestic hot water system, it simplifies planning and installation while saving valuable time and money - all with one convenient source for service support and technical documentation.



Simplify Planning

- **Expertly Engineered and Fully Assembled**
Easily drops into design plans and reduces project timelines
- **Standardized Solution**
Features a known footprint as well as components designed to work seamlessly together and optimized for high performance
- **Error-Free Application**
Eliminates the risks of incorrect application that typically occur when installing components and individual products from multiple manufacturers



Save Time, Increase ROI

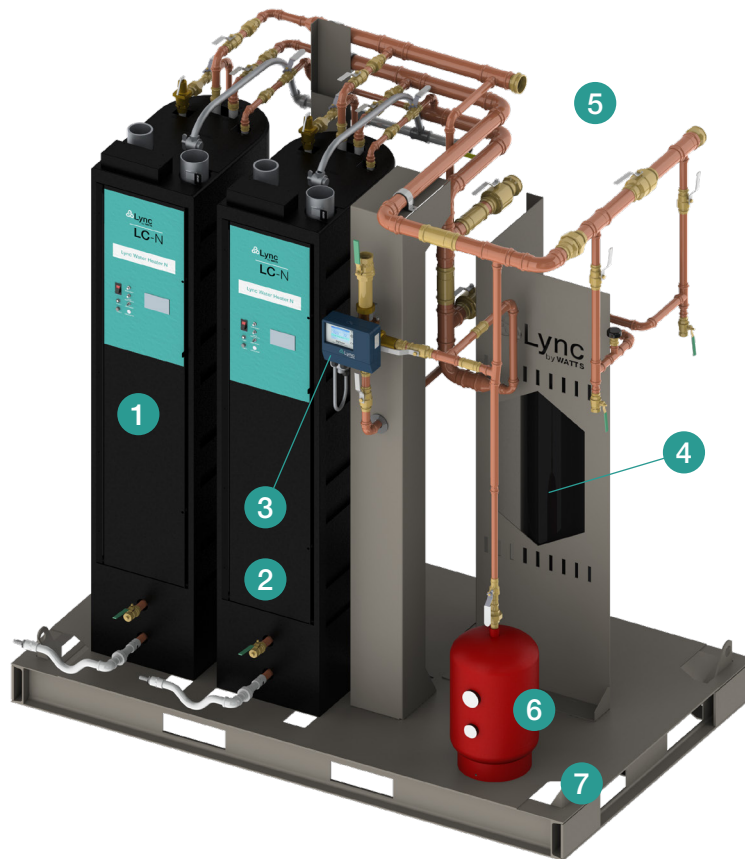
- **Reduced Downtime**
Quickly and easily installs in any space reducing downtime and associated costs or revenue losses
- **Increased ROI**
Provides superior energy efficiency and increased life expectancy of the equipment reducing maintenance needs and operational costs
- **Compact Design and Footprint**
Frees up more space in the building for value-adding or revenue-driving purposes



Reduce Installation and Maintenance Costs

- **Easy and Quick Installation**
Quickly installs without delays due to missing parts and requires less skilled labor
- **One Point of Contact**
Provides one, convenient point of contact for support and troubleshooting to quickly address and resolve operational and maintenance matters
- **Service Warranty**
Includes a factory-guaranteed assembly and a 1st year labor service warranty

Ideal for Occasional High Load Demands and Small Spaces



1. Condensing water heaters operate with a submerged, single-pass, down-fired design for higher efficiency.

2. 25-gallon duplex stainless-steel tanks increase lifespan due to its corrosion-resistant materials. No anode rods needed.

3. Digital mixing valve enables accurate control of temperatures within $\pm 2^{\circ}\text{F}$ control for optimal operation.

4. TAC anti-scale technology effectively reduces scale and microorganism build-up. Safe and easy to maintain, requiring no salt or chemicals.

5. Optimized piping minimizes footprint, simplifies planning and installation, and allows for better service access.

6. Expansion tank comes in a floor mount design.

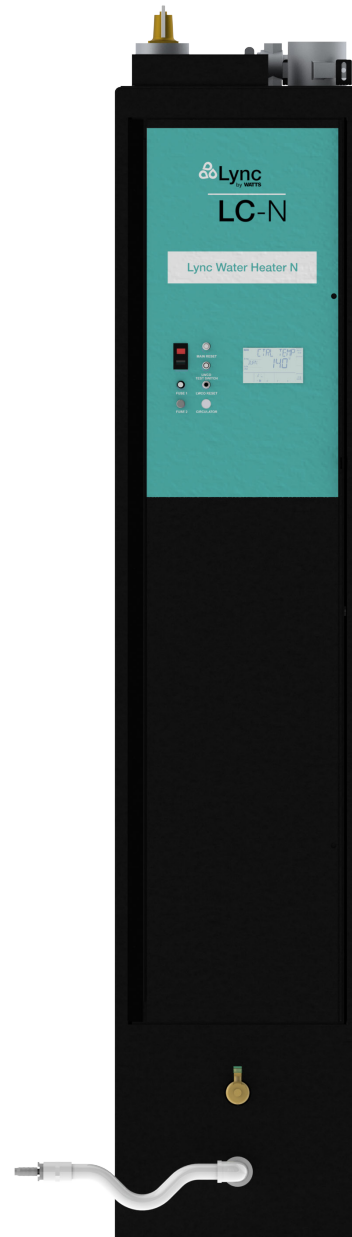
7. Compact footprint to make it fit through a double door and it can be pushed up against the wall while remaining easy to service.

*Width dependent on selected configuration.

Dynamic Water Heater with Minimal Footprint

At the heart of LC-N is a powerful single-pass instantaneous water heater with a 25-gallon internal buffer tank that delivers reliable hot water for demanding applications in an ultra-compact design.

- A dedicated **recirculation fitting** re-introduces hot return water to the hot zone of the water heater, leaving the cold zone at the bottom of the tank unaffected for higher efficiency and the elimination of a 'cold water sandwich'.
- **Fire tube heater** with a large surface area to heat for maximum efficiency. Made of duplex stainless steel to make it less prone to scale formation which reduces maintenance time and replacement costs.
- A **25-gallon internal buffer tank** per heater provides the ability to respond to occasions when demand outpaces the production of hot water. This eliminates the need for additional water heaters to factor in redundancy requirements.
- **Corrosion-resistant storage tank** made of duplex stainless steel extends lifespan and eliminates the need for anode rods or tank lining.
- High thermal efficiency is maintained by a **cold-water zone** at the bottom of the heater where flue product is "super-cooled" to extract the maximum energy via the condensing process.



Easily accessible with all plumbing, combustion, gas connections located at the top, and no connections on the back or sides allowing for minimal side clearance

Safe, Reliable Hot Water with LC-N

AquaSolve with MAC Technology

LC-N integrates AquaSolve using scientifically proven Media Assisted Crystallization (MAC) to reduce scale formation, a common habitat for biofilm and microorganisms. This helps mitigate the risks of Legionella and other water-borne pathogens while retaining beneficial minerals like calcium and magnesium for higher-quality water.

Improved Efficiency and Longevity

MAC technology reduces scale buildup by over 95%, protecting water heaters and piping from corrosion. This preserves performance, energy efficiency, and system lifespan – without extra electricity.

Virtually Maintenance-Free

Media replacement is required only every three years on average. Unlike traditional water softeners, there's no backwashing, chemical additives, or ongoing valve maintenance.

Extremely Hard Water?

For applications with exceptionally hard water or challenging water chemistry, optional traditional salt-based water softeners are available to provide enhanced scale protection.

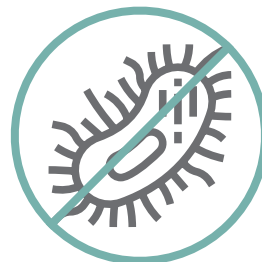


DigiTemp Digital Mixing Valve

The Lync DigiTemp valve ensures safe, precise, and consistent water temperatures to protect building occupants from scalding. The ASSE 1017-listed valve also includes a thermal sanitization mode for an additional pathogen barrier.

Key Features

- ASSE 1017 compliance
- $\pm 2^{\circ}\text{F}$ temperature control
- Thermal sanitization mode
- Automatic fail-cold during power outage
- Lowers temperature when building is unoccupied
- Prevents overnight temperature creep
- Programmable high-temperature alarm
- Connects to BAS for remote read/write



MITIGATES PATHOGEN GROWTH

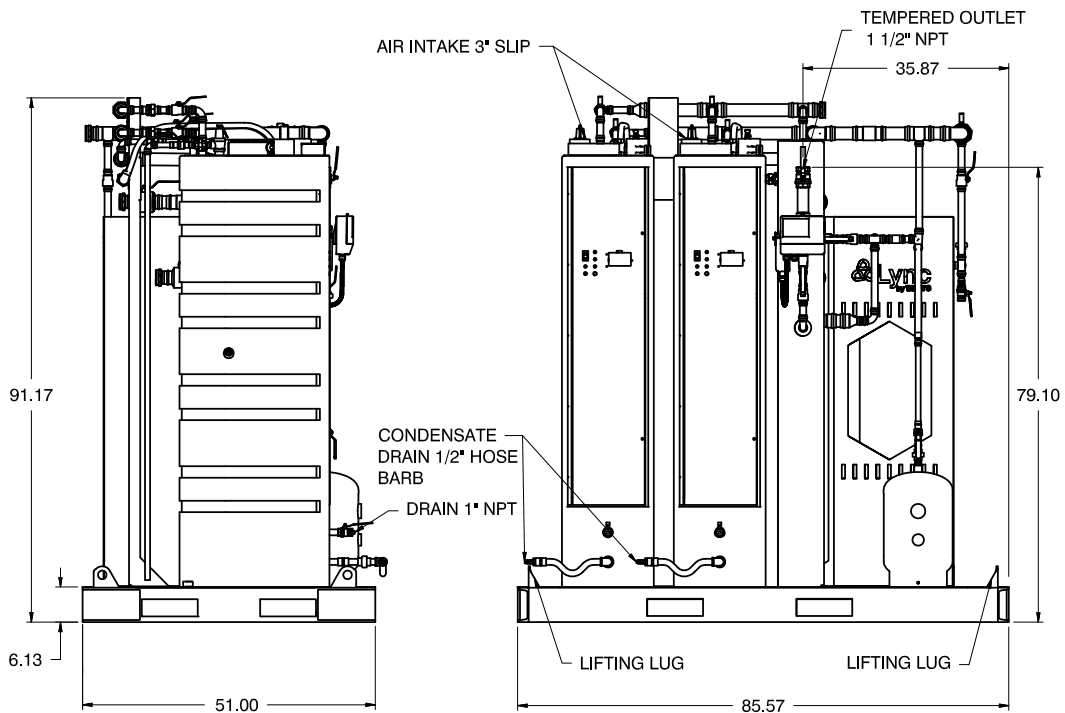


MITIGATES SCALDING RISK

Specifications

	Unit	LC-N-400	LC-N-600	LC-N-800	LC-N-1000
Performance and Specs	Number of Heaters	2	3	4	5
	Design Flow ¹ [GPM]	13	19	26	32
	BTU Input [BTU]	398,000	597,000	796,000	995,000
	Recovery at $\Delta 70^{\circ}\text{F}$ [GPM]	10.6	15.9	21.2	26.4
	Recovery at $\Delta 100^{\circ}\text{F}$ [GPM]	7.4	11.1	14.8	18.5
	Total Internal Volume [Gal]	50	75	100	125
	Max Gas Flow [ft ³ /hr]	398	597	796	995
Inlet Gas Pressure Requirements	Natural gas: 3.5 - 14" w.c.				
Electrical Data ^{2,3}	Voltage [V], Phase, Frequency [Hz]	120, 1Ø, 60			
	Amps [A]	5 / unit			
Dimensions	Width [in]	85 ½	105	124 ¾	143 ¾
	Depth [in]	51	51	51	51
	Height [in]	91	91	91	91
	Shipping Weight [lbs]	2000	2550	3500	4100
	Wet Weight [lbs]	2460	3240	4420	5250

1. Design Flow calculated 60°F to 140°F and blended to 125°F. For other conditions, contact your Lync rep.
2. Electrical Data specific to each individual heater
3. Digital mixing system electrical data: Power: 115 – 230 V(AC) ± 10%, 50/60 Hz, 20 VA / Actuator Load: 24 V(DC), 0.55 A, 13 W



For dimensions on all models, please refer to dimensional drawings.

Complete Engineered System Solutions

Superior Safety. Maximum Efficiency. Improved Water Quality.



Lync combines advanced technologies and innovative design with industry-leading manufacturing expertise to deliver complete, cost-effective commercial water technology system solutions from a single source.

Our fully assembled, integrated solutions provide your building with maximum efficiency, superior safety and improved water quality while minimizing planning, design and installation time to reduce costs and increase your return on investment.

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Engineered Solutions

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