LAARS®
NEOTHERM®

High Efficiency Modulating Volume Water Heaters

PACKED WITH FEATURES
• Large Color Touch Screen
• Less than 10ppm NOx
• 8 Models 150 to 850 MBH
• Vent up to 100 Feet, Horizontal or Vertical
• Meets Low Lead Requirements
NeoTherm is a direct vent, sealed combustion, condensing volume water heater with ultra-high thermal efficiency that modulates with a 5 to 1 turndown.

Low NOx emissions (<10ppm) and meets low lead installation requirements for a package that’s easy to use and easy on the environment.

Available in three models (150-285 MBH) for natural gas or propane, and five models (399-850 MBH) for propane. These models are offered with a selection of factory mounted options making them suitable for a broad variety of residential and commercial applications.

The heater features an ASME stainless steel heat exchanger, direct spark ignition system, optional heater pump and LAARS integrated control system.

**NeoTherm® Integrated Controls Features:**

- Large, easy to navigate color touch screen
- Easy to use menus for login, quick start, advanced setup, tests and diagnostics
- Integrated PID temperature and ignition control
- Accepts 4-20mA or 0-10VDC input for modulation
- Lead Lag with up to 8 other NeoTherm volume water heaters
- Quick start feature for easy one boiler setups
- Complete diagnostics for analog and digital inputs
- Test feature allows for forced min and max firing
- Display holds, alerts and errors in clear text form
- Password protected parameters for installer use
- Modbus capable
LAARS® NEOThERM® VOLUME WATER HEATER FEATURES

NeoTherm Features:
- All connections are on top of unit
- Easy to service
- Low NOx system
- LAARS Integrated Control System™
- Integrates with Building Automation Systems
- Meets NSF/ANSI-372 Low Lead Content Certification (MT2V)

Standard Equipment:
- High condensing efficiency
- Horizontal or vertical direct vent
- 5:1 turndown
- Vent and air pipe lengths of up to 100 equivalent feet (each)
- Built-in condensate trap
- Spark ignition system
- Sensor for domestic water tank
- 160 psi maximum working pressure
- Stainless steel heat exchanger with welded construction (no gaskets)
- Optional pumps (sized to model) available for field installation
- ASME “H” stamp

Water flow switch (399 & 850)
- 125 psi (861 kPa) ASME rated pressure relief valve
- Temperature & pressure gauge
- Drain valve
- Alarm output
- On/off toggle switch
- Manual reset high limit
- Burner sight glass
- Zero clearance to combustible surfaces for alcove and closet installations
- 8 year limited warranty

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Dimensional Data

Laars NeoTherm®

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View our entire product line at www.Laars.com