

INTERNATIONAL THERMAL RESEARCH

Advanced Diesel Heating & Hot Water Solutions

Simply better.



OASIS[®] NE[™]

Hydronic Heating System by ITR



OASIS NE

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There IS an alternative.

The OASIS NE is an all-in-one, “drop-in-place” hydronic heating system designed as a replacement for the Aqua-Hot 450D and other similar heaters. The OASIS NE is easy to install, provides superior performance, and offers more features and options to choose from. The OASIS NE is simply a better heater.

FEATURES & BENEFITS

Easy Replacement: The OASIS NE is designed for easy installation in new coaches, and as a better performing “drop in place” replacement for the Aqua-Hot 450D. Ease of installation is further enhanced with “plug and play” electrical connections.

More Powerful: The OASIS NE provides 50,000 TRUE OUTPUT BTUs in a two-loop, multi-zone configuration.

Superior Performance: The OASIS NE uses an efficient, built-in flat plate heat exchanger with easily adjustable potable water temperature control, and can provide a continuous 120°F temperature at a faucet flow rate of 1.5 gpm – performance that is significantly better than the competition.

Larger Heating Capacity: The OASIS NE uses a proprietary heat transfer design that provides more efficient heating of heat transfer fluid. The 7.5 gallon coolant tank has a 39% greater heat capacity than the Aqua-Hot 450D. This feature reduces heater cycling and provides more heat while using less fuel.

Easier, Simpler Serviceability: The interchangeable component design of the OASIS NE makes it easier and less expensive to replace components. Unlike the competition, there is no need to replace the entire system due to accidental freezing of fresh-water, or to purchase unnecessary component bundles.

Auxiliary Electric Heat: When hooked to shore power, the dual 1500W (3000W total) electric heating elements provide enough heat to keep a coach warm and the heating system up to temperature, which reduces the need for diesel burner use at night, making for a quieter environment and reduced fuel consumption.

Multi Zone Climate Control: The OASIS NE features a five-zone temperature control system that allows independent control settings in five different areas of the coach. Heating is achieved via controlled warming of ambient air, maintaining desired humidity and comfort.

User Friendly Touch Screen Remote: The OASIS NE features the option of a unique and proprietary touch screen remote interface with an on-screen help menu and diagnostic information.

Low emissions - No Smoke - No Smell: The OASIS NE, like all OASIS models, incorporates ITR’s patented low pressure burner technology. This design produces a clean, efficient, and safe combustion, resulting in the lowest possible emissions. This design significantly reduces wear on the fuel nozzle and associated parts. Efficient combustion is maintained for a longer service period than the high-pressure systems used by the competition.

Engine Waste Heat Management: The OASIS NE uses heat produced by the coach engine to provide space heating and hot water. When the coach is parked, the heating system is up to temperature and ready for immediate use.

Optional Engine Preheat: This OASIS NE feature will maintain engine oil and coolant warmth

using electric heating elements and/or the diesel burner. Cold diesel engine start-ups are eliminated, significantly reducing wear and fuel consumption.

Never-Run-Dry Pump Protection: This unique system prevents the possibility of coolant circulation pumps running dry during installation, or in the event of an inadvertent coolant loss.

Added value: The NADA RV guide estimates an OASIS Diesel Hydronic System will increase the resale and trade-in value of a motor home by several thousand dollars.

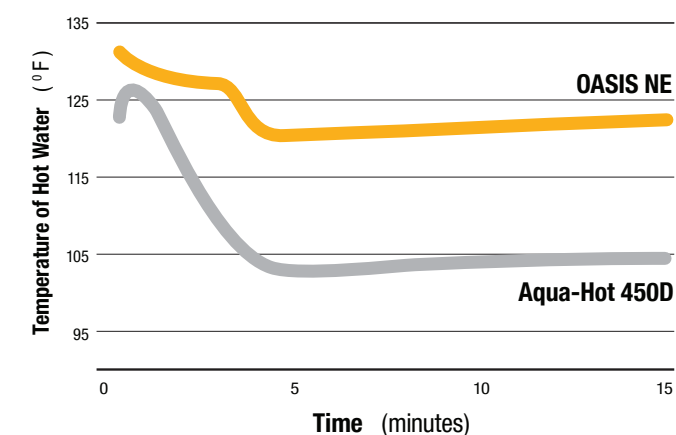
Service centers: OASIS Heating Systems are supported by ITR’s US and Canadian service and factory locations, as well as a network of over 160 dealer/service locations throughout North America and the UK. ITR service is personal and unequalled.

“My conversion from Aqua-Hot to the OASIS NE was straightforward, and I can’t stress enough how great ITR’s support was through the process. The burner runs smoother and has fewer emissions than my old unit. I’m very pleased with the operation and servicing simplicity of the OASIS NE.

Dorn Becker
Coach Owner

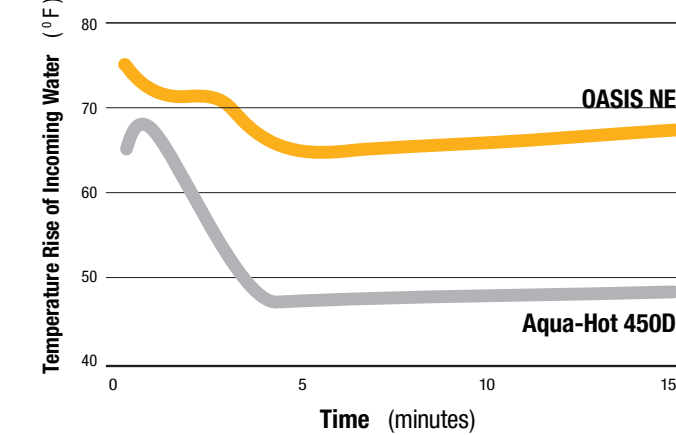
Direct comparison testing shows a significant performance difference between the Aqua-Hot 450D and the OASIS NE

15% Hotter Water



Hot water performance testing of the OASIS NE and Aqua-Hot 450D shows the hot water output temperature from the OASIS NE to be over 15% hotter than the Aqua-Hot 450D.

35% Higher Delta T



Performance testing for temperature rise (ΔT) of incoming water shows the OASIS NE has the TRUE OUTPUT BTU capacity to increase the temperature of incoming water by 35% more than the Aqua-Hot 450D.

(Testing performed on production OASIS NE and Aqua-Hot 450D units, using 12-foot exhaust)

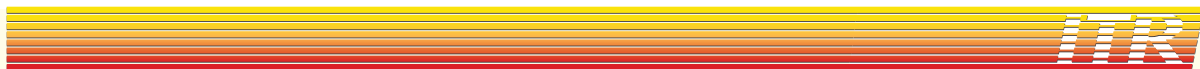
Not all BTU claims reflect **TRUE OUTPUT™** BTU

TRUE OUTPUT BTU measures the actual output of a heater. BTU output claims that add the output capacity of fans do not reflect the BTU output of the system and are misleading. The BTU output generated by a hydronic system is limited by the **TRUE OUTPUT BTU** of the burner. All ITR output claims reflect **TRUE OUTPUT BTU**.

Head-to-head testing shows that the OASIS NE is more powerful and more efficient than the Aqua-Hot 450D.

	OASIS NE	Aqua-Hot 450D
Diesel Burner TRUE OUTPUT	50,000 BTU	42,000 BTU
Auxiliary Electrical Heat	2 x 1500 watt elements 10,236 BTU output	1 x 1650 watt AC element 5,630 BTU output
Burner Design	Proprietary ITR low pressure system	High pressure system
Continuous Water Temperature & Flow Rate	120 F° @ 1.5 GPM	105 F° @ 1.5 GPM
Continuous Temperature Rise (ΔT) of Incoming Potable Water	65 F°	48 F°
Interior Heat Available While Using Hot Water	YES	NO
Coolant Tank Capacity	7.5 gallons	5.4 gallons
“Never-Run-Dry” Pump Protection	YES	NO
Fuel Consumption (continuous running)	0.44 gallons /hour	0.41 gallons /hour
Engine Preheat System	OPTIONAL	STANDARD
Amperage Draw (running)	9 A / hour	6.5 A / hour
Available Heating Zones	5	5
Heating Circulation Loops	2	2
Touch Screen Remote Interface	AVAILABLE	NOT AVAILABLE
Dimensions	12.3” H x 18.8” W x 29.7” D	12” H x 18.5” W x 29.5” D
Weight (empty/full):	112 lbs / 173.5 lbs	140 lbs / 185 lbs

The OASIS NE is fully certified to UL/CSA standards.



If you have any questions regarding the Oasis NE, or any other International Thermal Research products, please call or email, or visit our website at www.itrheat.com

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