

Navien Home Energy Saving Solutions



Solutions for more energy efficient homes

NPE-Advanced series (NPE-A)



The most advanced condensing tankless water heaters in the industry with exclusive ComfortFlow® technology (built-in buffer tank and recirculating pump) for continuous hot water; 1/2" gas pipe capabilities up to 24'; 2" PVC venting for easier and more economical installation plus dual durable stainless steel heat exchangers.

Model	Natural Gas or Liquid Propane Gas
NPE-A 180 series	15,000 – 150,000 BTU/H
NPE-A 210 series	19,900 – 180,000 BTU/H
NPE-A 240 series	19,900 – 199,900 BTU/H



NPE-A and NPE-S Temperature Rise				
Temp rise (°F)	NEW 150S GPM	180 A/S GPM	210 A/S GPM	240 A/S GPM
35	6.8	8.4	10.1	11.2
40	5.9	7.4	8.8	9.8
45	5.3	6.5	7.8	8.7
50	4.8	5.9	7.1	7.8
55	4.3	5.3	6.4	7.1
60	4.0	4.9	5.9	6.5
65	3.7	4.5	5.4	6.0
70	3.4	4.2	5.0	5.6
75	3.2	3.9	4.7	5.2
80	3.0	3.7	4.4	4.9
85	2.8	3.5	4.2	4.6
90	2.6	3.3	3.9	4.4
100	2.4	2.9	3.5	3.9
110	2.2	2.7	3.2	3.6
120	2.0	2.5	2.9	3.3
130	1.8	2.3	2.7	3.0
140	1.7	2.1	2.5	2.8

NPE-Standard series (NPE-S)



The highest rated energy efficient tankless water heaters (0.97 UEF) on the market*. Standard Navien advantages include dual durable stainless steel heat exchangers, 1/2" gas pipe capabilities and 2" PVC venting.

Model	Natural Gas or Liquid Propane Gas
NEW NPE-150S	18,000 – 120,000 BTU/H
NPE-S 180 series	15,000 – 150,000 BTU/H
NPE-S 210 series	19,900 – 180,000 BTU/H
NPE-S 240 series	19,900 – 199,900 BTU/H



*EPA Energy Star Directory.



New Wi-Fi remote control system

This add-on accessory will enable customers with smartphones and tablets to control temperatures remotely, access usage data and receive diagnostic notifications on all Navien products (NPE-A, NPE-S, NCB-E, NHB). Existing installations/stock may require the purchase of a new main PCB and front control panel.



NCB-E Combi-boiler series



The first residential combi-boiler strong enough to support whole house heating and DHW supply. The compact design occupies 80% less space than a traditional floor standing boiler and tank water heater. Supplies enough hydronic heat for a large house and still provides hot water to run two showers and a dishwasher at the same time.

Model	Heating BTU/H	DHW BTU/H
NCB-150E	12,000–60,000	12,000–120,000
NCB-180 / NCB-180E	14,000–80,000	14,000–150,000
NCB-210 / NCB-210E	18,000–100,000	18,000–180,000
NCB-240 / NCB-240E	18,000–120,000	18,000–199,900

HTG & DHW
120k BTU/h 199k BTU/h



Heating up to 120K BTU/H and DHW up to 199K BTU/H.

NHB Condensing boiler series



The new NHB boiler series is the next in line of innovations from Navien. All NHB boilers have Navien's advanced burner system, an industry-leading AFUE of 95% and turn down ratios up to 15:1.

Model	Range	TDR
NHB-55	8,000 – 55,000 BTU/H	7:1
NHB-80	8,000 – 80,000 BTU/H	10:1
NHB-110	10,000 – 110,000 BTU/H	11:1
NHB-150	10,000 – 150,000 BTU/H	15:1

TDR UP TO 15:1



Industry's largest turn down ratio providing ease of installation with multiple zones while maintaining high operational efficiencies.



KD navien®

T H E L E A D E R I N C O N D E N S I N G T E C H N O L O G Y

Are you using recirculation in your homes?



NPE-A

Navien Premium Efficiency-Advanced condensing tankless has it built in

- Exclusive ComfortFlow internal recirculation
- Reduced material and labor cost
- Earn up to 3 LEED points with recirculation
- Lower the HERS home index score
- On-demand control kit optional add-on
- 2013 AHR Innovation Award Winner



Dual stainless steel heat exchangers deliver unmatched durability while resisting corrosion better than copper.



The Navien NPE series tankless water heaters occupy 80% less space than traditional 50 gallon tank-type heaters.



For homes with an extra high demand, NPE units can be cascaded together without a separate controller.

15 YEARS	Heat Exchanger
5 YEARS	Parts
1 YEAR	Labor

Navien NPE series models come with world-class quality and one of the best warranties in the industry.



Navien's NPE-A with the H₂Air Kit and an AHU creates an affordable and efficient whole home heating solution.

Only NPE-A has ComfortFlow recirculation

ComfortFlow[®]



Exclusive internal recirculation system*

Navien ComfortFlow[®] is the first and only system that incorporates a built-in insulated buffer tank and recirculation pump. The buffer tank eliminates the "cold water sandwich" effect and issues of minimum flow rates commonly found in other tankless water heaters. The recirculation pump saves on water bills by reducing the time to get hot water.

*When activated, the optional ComfortFlow mode results in additional energy usage.

SummerHill Homes, CA

Navien NPE-A optional home comfort systems

HotButton™

On-demand recirculation

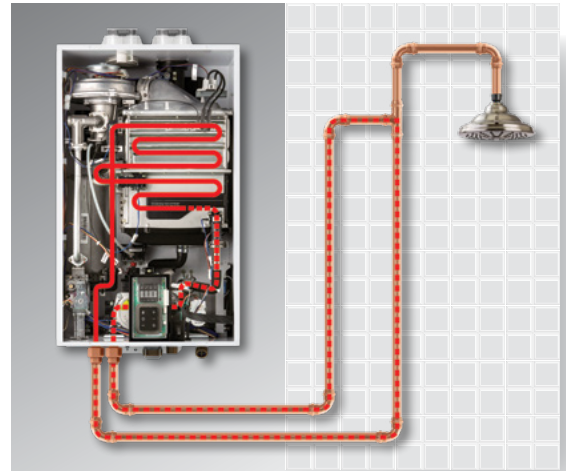


At the push of a button, the HotButton activates the internal recirculation pump and gas fired burner to heat up the water in the supply lines. This gives your customers hot water when they need it, saving water and money. California Title 24 compliant.



"We just love the Navien HotButton system. Now I know I'm not being wasteful every time I need hot water. Since we retrofitted our Shea home, we have seen a water bill savings of up to 30%."

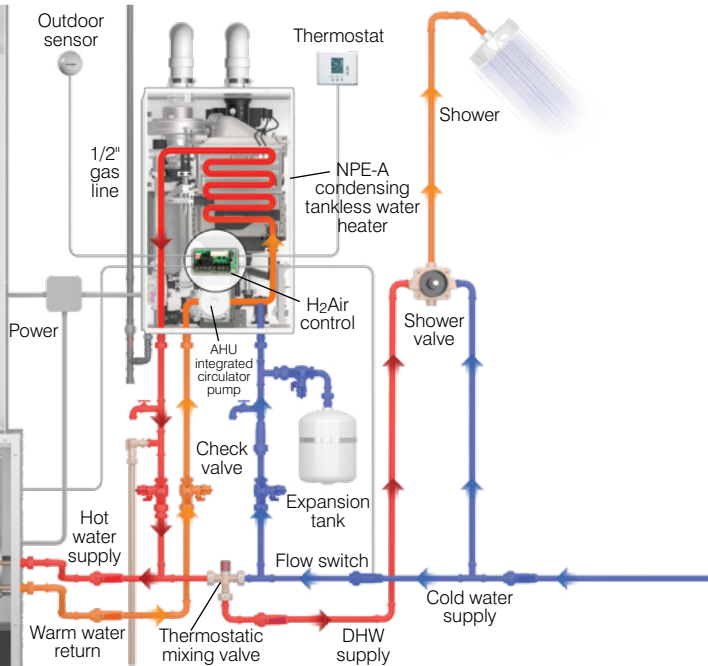
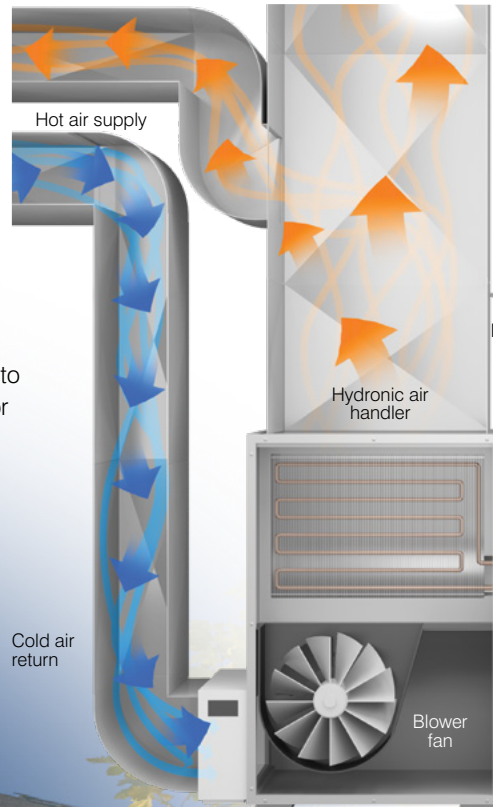
Mrs. Ashley, homeowner.



H₂Air™

Combination space heating and DHW

The H₂Air Kit utilizes the NPE-A pump to circulate the hot water for the hydronic air handler. This removes the need to purchase an additional circulator for the heating system.



Designed for both retrofit and new construction residential applications, Navien's H₂Air Kit* consists of an add-on controller that allows for space heating and DHW system integration between NPE-A series tankless water heater models and a hydronic air handler.

H₂Air is compatible with hydronic air handlers that require W1/W2/R terminals along with single or dual-stage thermostats.**

*Compatible with NPE-A series units produced on or after May 31, 2014.

**Self-powered thermostats only.

KD NAVIEN®

THE LEADER IN CONDENSING TECHNOLOGY

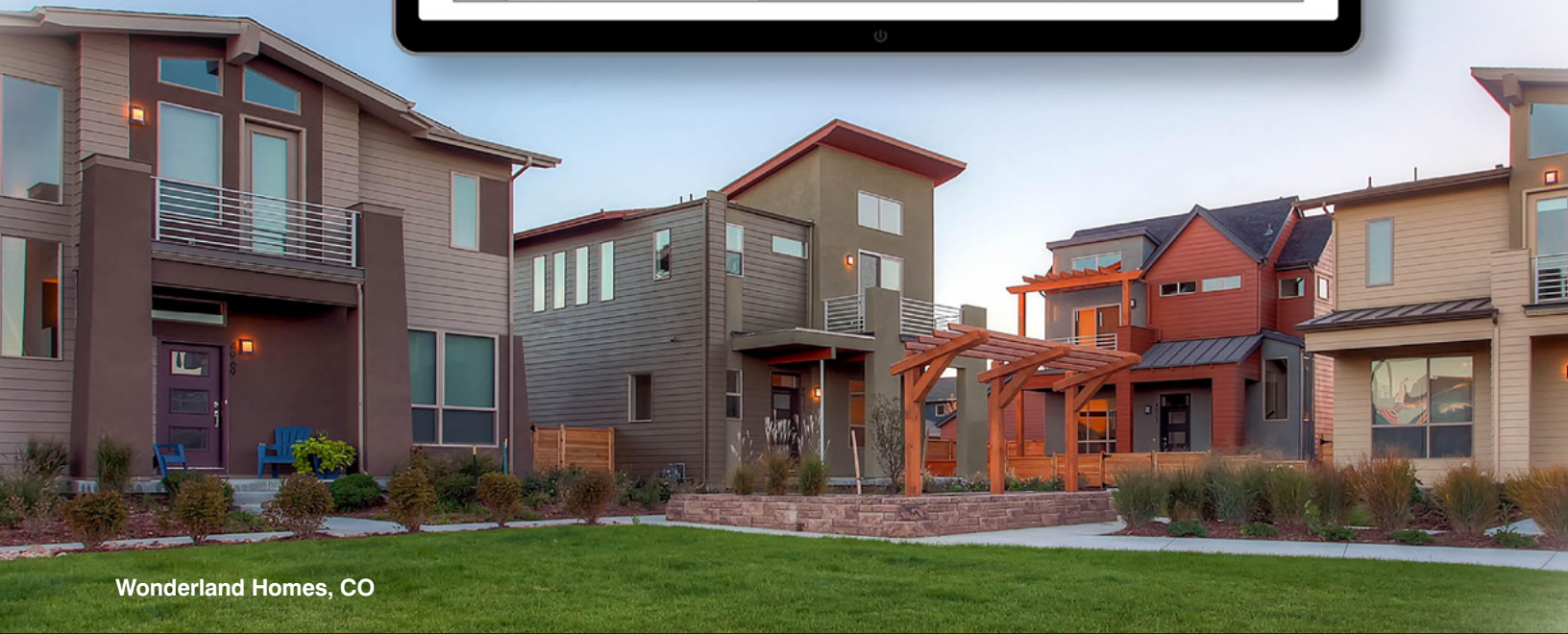
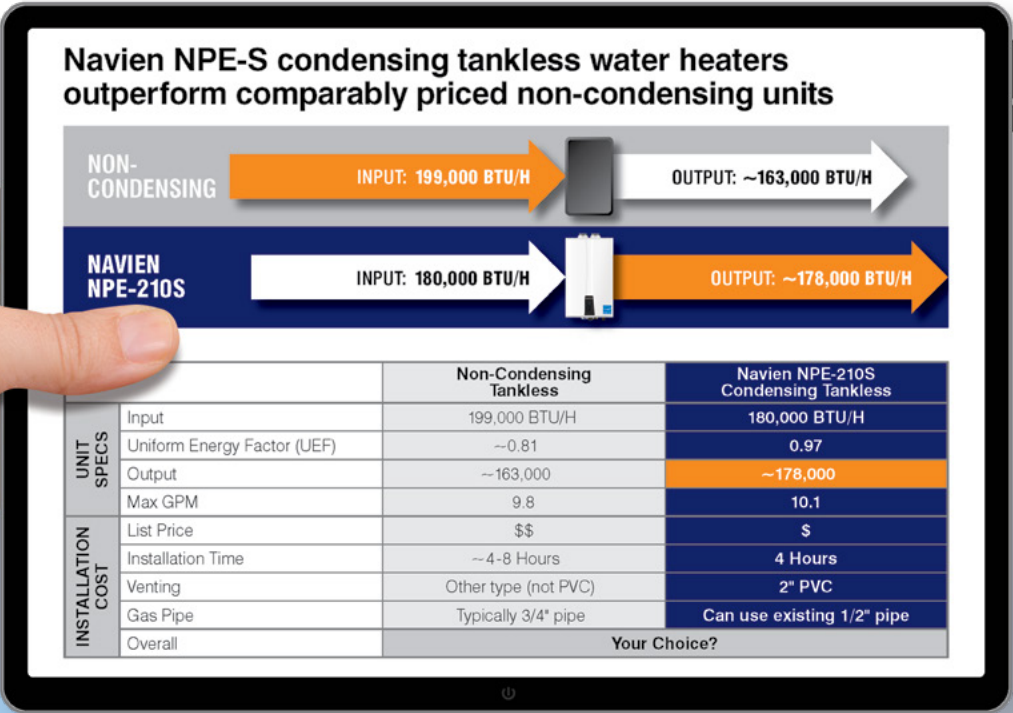
Are you pricing the best value in water heaters?



NPE-S

**Navien Premium Efficiency-Standard condensing tankless...
a best buy & industry’s top-rated unit for energy efficiency**

- More output for the money
- Lower installation costs
- Lower operating cost for the homeowner
- Earn up to 3 LEED points
- Lower HERS score
- 2015 AHR Innovation Award Winner



Wonderland Homes, CO

Are you using “whole house” heating technology?



NCB-E

Navien Combi-Boiler series is the first true all-in-one condensing tankless water heater and boiler system

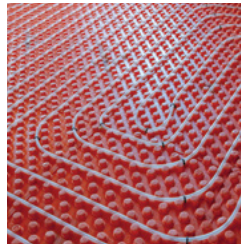
- Space saving design
- Strong enough to support heating and DHW for larger homes
- MEET 2014 Canadian Institute of Plumbing & Heating Innovation Award winner
- ComfortTech 2014 Innovation Award winner



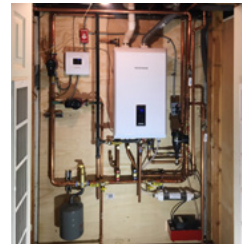
Separate heat exchanger for domestic hot water creates highest flow rate in the industry.



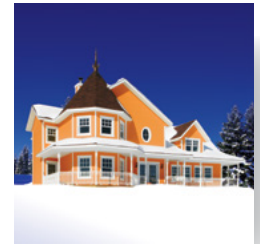
NCB-E works well with baseboard radiator heating systems.



NCB-E can also handle the latest hydronic radiant floor heating technology.

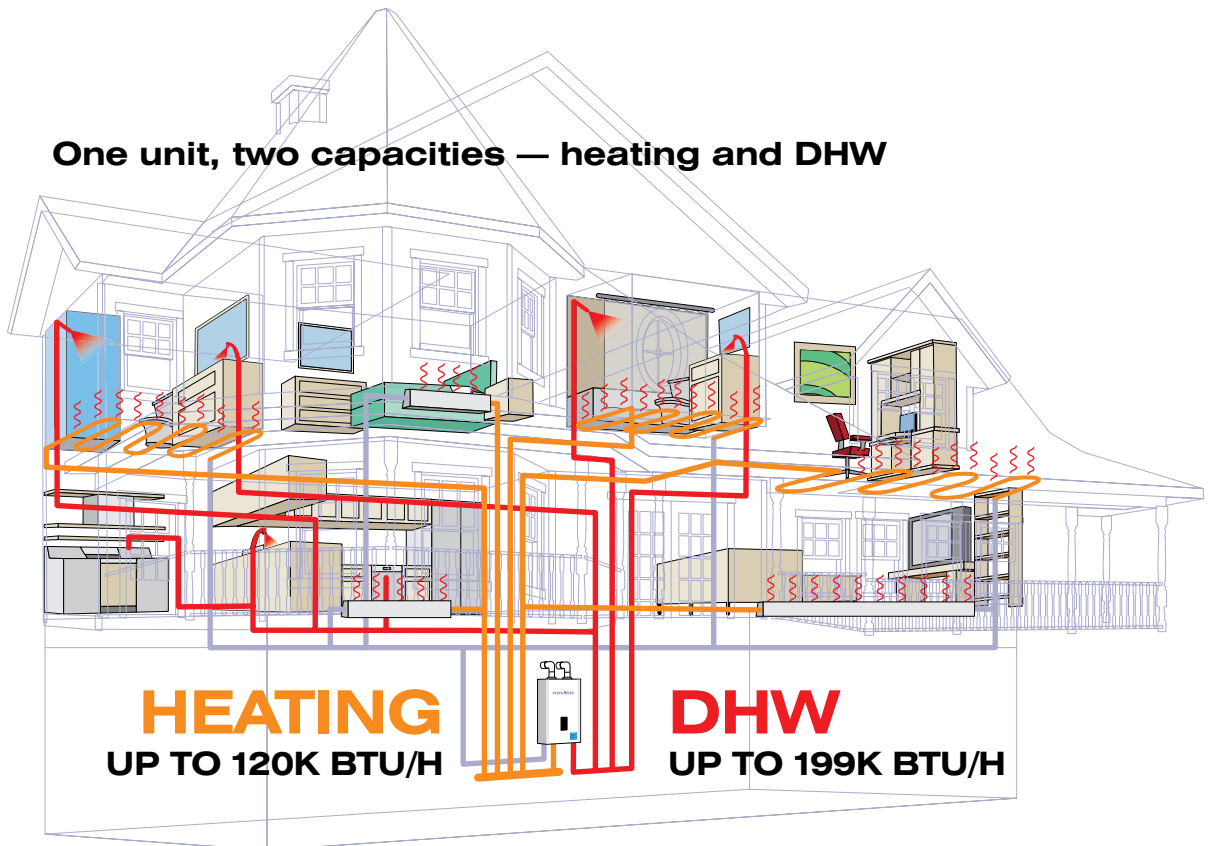


Compact NCB-E design fits well in tight spaces unlike a bulky, traditional boiler and tank hot water heater.

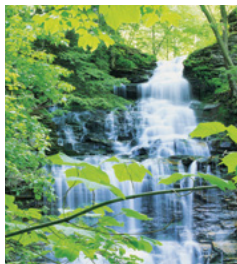


Heat the entire house, plus hot water for two showers and a dishwasher at the same time.

One unit, two capacities — heating and DHW




Solutions for a greener world



As an energy conscious builder, your success depends on offering the most energy efficient HVAC and DHW systems. Incorporating Navien technology into your designs, will provide the highest level of comfort and efficiency for your customers.

Navien is the leading producer of condensing technology for tankless water heaters and combi-boilers. These advanced systems use unused heat emitted from flue gasses to reduce energy consumption and greenhouse gas emissions.

U.S. Green Building Council LEED Points

	Water heater	1
	Location	2
	Recirculation	3

Lower HERS home index score

Supporting your green building reputation

Navien is the perfect hot water and heating solution for energy efficient homes. Besides supplying the most energy efficient systems, Navien provides extensive field support, webinars and training events for builders, architects and contractors.



Discover why energy conscious builders are switching to Navien.
Call 800-519-8794 or visit www.NavienInc.com

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T H E L E A D E R I N C O N D E N S I N G T E C H N O L O G Y