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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Natural Gas or Liquid Propane Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPE-A 180 series</td>
<td>15,000 – 150,000 BTU/H</td>
</tr>
<tr>
<td>NPE-A 210 series</td>
<td>19,900 – 180,000 BTU/H</td>
</tr>
<tr>
<td>NPE-A 240 series</td>
<td>19,900 – 199,900 BTU/H</td>
</tr>
</tbody>
</table>

**NPE-Standart 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Natural Gas or Liquid Propane Gas</th>
</tr>
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<tbody>
<tr>
<td>NEW NPE-150S</td>
<td>18,000 – 120,000 BTU/H</td>
</tr>
<tr>
<td>NPE-S 180 series</td>
<td>15,000 – 150,000 BTU/H</td>
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</table>

*EPA Energy Star Directory.

**NaviLink™**

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Heating BTU/H</th>
<th>DHW BTU/H</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCB-150E</td>
<td>12,000–60,000</td>
<td>12,000–120,000</td>
</tr>
<tr>
<td>NCB-180 / NCB-180E</td>
<td>14,000–80,000</td>
<td>14,000–150,000</td>
</tr>
<tr>
<td>NCB-210 / NCB-210E</td>
<td>18,000–100,000</td>
<td>18,000–180,000</td>
</tr>
<tr>
<td>NCB-240 / NCB-240E</td>
<td>18,000–120,000</td>
<td>18,000–199,000</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>TDR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHB-55</td>
<td>8,000 – 55,000 BTU/H</td>
<td>7:1</td>
</tr>
<tr>
<td>NHB-80</td>
<td>8,000 – 80,000 BTU/H</td>
<td>10:1</td>
</tr>
<tr>
<td>NHB-110</td>
<td>10,000 – 110,000 BTU/H</td>
<td>11:1</td>
</tr>
<tr>
<td>NHB-150</td>
<td>10,000 – 150,000 BTU/H</td>
<td>15:1</td>
</tr>
</tbody>
</table>

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

**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.

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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.

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.

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Only NPE-A has ComfortFlow recirculation

**Canadá P-9 RATED**

**Navien Premium Efficiency-Advanced condensing tankless has it built in**
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.
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

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Navien NPE-S condensing tankless water heaters outperform comparably priced non-condensing units

<table>
<thead>
<tr>
<th></th>
<th>Non-Condensing Tankless</th>
<th>Navien NPE-210S Condensing Tankless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>199,000 BTU/H</td>
<td>180,000 BTU/H</td>
</tr>
<tr>
<td>Uniform Energy Factor (UEF)</td>
<td>~0.81</td>
<td>0.07</td>
</tr>
<tr>
<td>Output</td>
<td>~163,000</td>
<td>~178,000</td>
</tr>
<tr>
<td>Max GPM</td>
<td>2.8</td>
<td>10.1</td>
</tr>
<tr>
<td>List Price</td>
<td>$$$</td>
<td>$</td>
</tr>
<tr>
<td>Installation Time</td>
<td>~4-6 Hours</td>
<td>4 Hours</td>
</tr>
<tr>
<td>Venting</td>
<td>Other type (not PVC)</td>
<td>2&quot; PVC</td>
</tr>
<tr>
<td>Gas Pipe</td>
<td>Typically 3/4&quot; pipe</td>
<td>Can use existing 1/2&quot; pipe</td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>Your Choice?</td>
</tr>
</tbody>
</table>

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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

HEATING
UP TO 120K BTU/H

DHW
UP TO 199K BTU/H
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.

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.

U.S. Green Building Council
LEED Points

<table>
<thead>
<tr>
<th>Water heater</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>2</td>
</tr>
<tr>
<td>Recirculation</td>
<td>3</td>
</tr>
</tbody>
</table>

Lower HERS home index score

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

Navien Inc.
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800-519-8794, NavienInc.com