NPE Series Condensing Tankless Water Heaters

Navien makes it easy to go tankless in residential and commercial applications.
**NPE-Advanced**

High-efficiency condensing tankless water heaters with built-in recirculation system

- Endless hot water with our dual stainless steel heat exchangers
- Up to 80% smaller than tank water heaters
- Simpler retrofit with 2" PVC venting
- Simpler retrofit with 1/2" gas lines (subject to local code)
- One of the industry’s strongest warranties
- Cascading up to 16 units and common venting up to 8 units
- NaviLink™ compatible

**HotButton.**

Optional on-demand NPE-A recirculation accessory

At the push of a button, the Navien HotButton hot water system 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.

**H₂Air.**

For combination space heating and domestic hot water

An innovative use for the NPE-A’s integrated circulator, 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.

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

**ComfortFlow.**

NPE-A internal recirculation system*

Navien ComfortFlow is the first system that incorporates a built-in insulated buffer tank and recirculation pump. The buffer tank eliminates the “cold water sandwich” effect commonly found in other tankless water heaters. The recirculation pump saves on your water bills by reducing time to get hot water.

*When activated, the ComfortFlow mode results in higher energy usage.
When it comes to water heater performance, it’s all about the output.

The NPE-S condensing tankless water heaters are so efficient that they outperform much larger capacity non-condensing competitors. More output for the money, lower installation costs and lower operating costs for customers makes it a smart choice.

- High-efficiency, up to 0.99 EF/0.97 UEF
- Endless hot water with our dual stainless steel heat exchangers
- Up to 80% smaller than tank water heaters
- Simpler retrofit with 2" PVC venting
- Simpler retrofit with 1/2" gas lines (subject to local code)
- One of the industry’s strongest warranties
- Cascading up to 16 units and common venting up to 8 units
- NaviLink compatible

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

<table>
<thead>
<tr>
<th>UNIT SPEC</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>0.97</td>
</tr>
<tr>
<td>Output</td>
<td>~163,000</td>
<td>~178,000</td>
</tr>
<tr>
<td>Max GPM</td>
<td>9.8</td>
<td>10.1</td>
</tr>
<tr>
<td>List Price</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Installation Time</td>
<td>~4-8 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>
Ready-Link®
Commercial DHW wall or rack modular manifold mounting systems

30 possible configurations

Simply build your manifold installation from our easy to install modular kits. Designed to simply save contractors time.

• Simply no waiting for factory racks
• Simply easy to install...same day
• Simply more profitable
• Simply visit your local Navien wholesaler and pick up everything you need

As simple as 1-2-3-4

1. Pick your Navien Unit, NPE-A or NPE-S
2. Pick your location, wall or rack
3. Pick your matching manifold kit(s)
4. Pick your venting configuration

Wall
Side-by-side in 2, 3 or 4 unit modules

Rack
Side-by-side in 2, 3 or 4 unit modules

Rack
Back-to-back in 2 or 4 unit modules

The Leader in Condensing Technology
Innovation makes Navien the professional’s choice for residential and commercial applications

- Building owners and managers appreciate the efficiency, reliability and durability of Navien condensing tankless water heaters over outdated tank systems
- Architects and designers appreciate the space saving design and the flexibility in configurations

- Commercial and residential builders add customer pleasing technology that sets them apart from older, more traditional water heating systems
- Contractors can save hours of installation by using economical PVC venting and Navien’s Ready-Link commercial domestic hot water manifold system for wall or free standing rack mounted units
- Having one of the industry’s strongest commercial warranties and customer support gives everyone more peace of mind
**NPE Series**

Cascade up to 16 units and common vent up to 8 units

With Navien cascading technology, when a unit gets up to 80% capacity the next unit will turn on to help meet requirements and continue until all 16 units are activated. Navien cascading system also balances the workflow of each unit for long life. Wall penetrations are reduced with Navien’s common venting feature.

---

### Temperature rise

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

---

### DHW capacity

<table>
<thead>
<tr>
<th>Models</th>
<th>Natural gas (BTU/H)</th>
<th>Propane gas (BTU/H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPE-150S</td>
<td>18,000–120,000</td>
<td>18,000–120,000</td>
</tr>
<tr>
<td>NPE-180 A/S</td>
<td>15,000–150,000</td>
<td>15,000–150,000</td>
</tr>
<tr>
<td>NPE-210 A/S</td>
<td>19,900–180,000</td>
<td>19,900–180,000</td>
</tr>
</tbody>
</table>

---

### Warranty

<table>
<thead>
<tr>
<th>Application</th>
<th>Recirculation</th>
<th>Labor</th>
<th>Parts</th>
<th>Heat exchanger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>Standard or controlled</td>
<td>1 year</td>
<td>5 years</td>
<td>15 years</td>
</tr>
<tr>
<td>Uncontrolled</td>
<td></td>
<td>1 year</td>
<td>3 years</td>
<td>5 years</td>
</tr>
<tr>
<td>Commercial or Combi*</td>
<td>Standard or controlled**</td>
<td>1 year</td>
<td>5 years</td>
<td>8 years</td>
</tr>
<tr>
<td>Standard or controlled***</td>
<td></td>
<td>1 year</td>
<td>3 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Uncontrolled</td>
<td>Standard or controlled***</td>
<td>1 year</td>
<td>3 years</td>
<td>3 years</td>
</tr>
</tbody>
</table>

*Combi refers to a combination potable water and space heating application. Water heaters cannot be used in space heating only applications.

**For units produced on or after Jan. 1, 2016.

***For units produced before Jan. 1, 2016.

For complete details please refer to the full warranty at NavienInc.com.

---

### Operating cost

<table>
<thead>
<tr>
<th>Navien tankless</th>
<th>175 therms</th>
<th>$191*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other tankless</td>
<td>209 therms</td>
<td>$228*</td>
</tr>
<tr>
<td>50 gallon tank</td>
<td>269 therms</td>
<td>$293*</td>
</tr>
</tbody>
</table>

*Based on Energy Guide cost estimates using $1.09 per therm of natural gas. Cost is in US dollars.

---

### Lower HERS home index score

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

---

Optional Wi-Fi remote control system

NaviLink makes it easy to communicate with your Navien systems anywhere internet service is accessible. The NaviLink module attaches easily to any new or existing* Navien NPE Series tankless water heaters. Once installed, simply download the free app on your smartphone or tablet. Then you will be able to turn your unit on or off, change the water temperature, monitor system status and even activate the recirculation system on your NPE-A tankless water heater with an installed HotButton™ kit.

*Existing installations may require the purchase of a new main PCB and front control panel.

---

Optional Wi-Fi remote control system

NaviLink makes it easy to communicate with your Navien systems anywhere internet service is accessible. The NaviLink module attaches easily to any new or existing* Navien NPE Series tankless water heaters. Once installed, simply download the free app on your smartphone or tablet. Then you will be able to turn your unit on or off, change the water temperature, monitor system status and even activate the recirculation system on your NPE-A tankless water heater with an installed HotButton™ kit.

*Existing installations may require the purchase of a new main PCB and front control panel.

---

Operating cost

Navien tankless | 175 therms | $191* |
Other tankless  | 209 therms | $228* |
50 gallon tank | 269 therms | $293* |

*Based on Energy Guide cost estimates using $1.09 per therm of natural gas. Cost is in US dollars.

---

**U.S. Green Building Council LEED Points**

### Water heater Location Recirculation

<table>
<thead>
<tr>
<th>1 Point</th>
<th>2 Points</th>
<th>3 Points</th>
</tr>
</thead>
</table>

---

**The Leader in Condensing Technology**
The North American leader in condensing technology

Navien was an early leader in developing condensing technology for boilers and water heaters. Condensing technology maximizes energy by using unused heat emitted from flue gases. As a result, energy consumption and greenhouse gases are significantly reduced.

Committed to your success

Navien regularly holds product training events in locations across the nation. Navien also operates regional training academies in California, New Jersey and Ontario. Visit training.navieninc.com.

NavienRewards.

Hard work deserves extra perks

Sign up today and see how your loyalty and business are appreciated by all of us at Navien. Visit NavienRewards.com.

To learn more about Navien NPE Series condensing tankless water heaters, NCB-E combi-boilers and NHB boilers, visit NavienInc.com.