NPE Navien Premium Condensing Gas Tankless Water Heater

Tankless so advanced...
It’s amazing what technology can do for you.

• Utilizes existing 1/2" gas line up to 24'
• 2" PVC venting up to 60'
• Field gas convertible
  • ComfortFlow™ Technology
    Buffer tank included
    Recirculation pump included
• Ultra condensing efficiency
• Dual stainless steel heat exchangers
• Cascading capable
• Built-in control

Learn more at TanklessMadeSimple.com
...it’s simple.

Navien’s next-generation condensing tankless technology is designed to simplify every installation and offer the best hot water experience. It eliminates the tankless obstacles of the past, making it an ideal solution for tank replacements. Simple retrofit, exclusive ComfortFlow™ technology, ultra high condensing efficiency and now field gas convertibility all combine to make the new NPE series easily the best choice in tankless.
High performance features make it easy.

**Utilizes Existing 1/2" Gas Line**
The NPE is the first tankless system that can utilize a home’s existing 1/2" gas line, for lengths up to 24'.

**Ultra Condensing Efficiency**
Navien's condensing technology delivers cooled exhaust gas and high-performance.

**2" PVC Venting**
Low exhaust gas temperature allows for use of PVC, CPVC and Polypropylene vent systems, significantly reducing installation cost and hassle. The system can use 2" venting for up to 60', often letting the installer run a flue through the existing chase vent without requiring additional holes.

**Dual Stainless Steel Heat Exchangers**
Two stainless steel heat exchangers provide longer life expectancy, as they are highly resistant to corrosion compared to copper heat exchangers.

**Field Gas Convertibility**
The NPE's negative pressure gas valve and Dual Venturi system allows for easy field convertibility from Natural Gas (NG) to Propane (LP) operation.

**Front Panel Command Center**
A user-friendly interface on the front of the unit makes it easy to set up the NPE, run diagnostics and view essential system information.

**ComfortFlow™ Technology**
Eliminates “cold-water sandwiches” and issues of minimum flow rate. An insolated buffer tank and recirculation pump accelerates hot water delivery.

**High Altitude Operation**
The NPE is designed to operate up to 10,000 feet, ensuring maximum performance in any region.

**Intelligent Preheating Technology**
Recognizes hot water usage patterns to intelligently provide hot water when needed.

**Outdoor Vent Cap**
NPE is designed for outdoor installation.
It’s everything you need.

So much advanced technology in such a compact unit.
The NPE is a fully integrated system, designed to provide a high-performance hot water experience.

Simpler inside and out.
In comparison to other units the Navien NPE is designed with simplicity in mind.

1. Fan
2. Premix Burner
3. Dual Venturi System
4. Primary Stainless Steel Heat Exchanger
5. Secondary (Condensing) Stainless Steel Heat Exchanger
6. Buffer Tank
7. Flow Sensor
8. Condensate Collector
9. Air Pressure Sensor
10. Negative Pressure Gas Valve
11. Main PCB
12. Recirculation Pump
13. Water Adjustment Valve
14. Integrated Display and Control

### NPE Navien Premium Condensing

<table>
<thead>
<tr>
<th></th>
<th>Labor</th>
<th>Parts</th>
<th>Heat Exchanger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>1 Year</td>
<td>5 Year</td>
<td>15 Year</td>
</tr>
<tr>
<td>Commercial</td>
<td>1 Year</td>
<td>3 Year</td>
<td>5 Year</td>
</tr>
</tbody>
</table>

Leading Warranty Package
You can count on the NPE to reliably perform for years, confidence we back with extensive warranty programs for both residential and commercial installations.
### Dimensions

#### Installation Type
Indoor or Outdoor Wall-Hung

#### Venting Type
Forced Draft Direct Vent

#### Water Pressure
15-150 PSI

#### Natural Gas Supply Pressure (from source)
3.5"-10.5" WC

#### Propane Gas Supply Pressure (from source)
8"-13" WC

#### Natural Gas Manifold Pressure (min to max)
-0.04" WC to -0.84" WC

#### Propane Gas Manifold Pressure (min to max)
-0.02" WC to -0.78" WC

#### Minimum Flow Rate
0 GPM (0 L/m)

#### Connection Sizes
- **Cold Water Inlet**: 3/4" NPT
- **Hot Water Outlet**: 3/4" NPT
- **Recirculation Inlet**: 3/4" NPT
- **Gas Inlet**: 3/4" NPT

#### Power Supply
120V AC, 60Hz

#### Maximum Power Consumption
200W (up to 2 amperes)

#### Materials
- **Casing**: Cold Rolled Carbon Steel
- **Heat Exchangers**: Primary Heat Exchanger: Stainless Steel, Secondary Heat Exchanger: Stainless Steel

#### Venting
- **Exhaust**: 2" or 3" PVC, CPVC, Polypropylene
- **Intake**: 2" or 3" PVC, CPVC, Polypropylene
- **Vent Clearances**: 0" to Combustibles

#### Safety Devices
- APS, Ignition Operation Detector, Water Temperature High Limit Switch, Exhaust Temperature High Limit Sensor, Power Surge Fuse

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### Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Model</th>
<th>NPE-180A</th>
<th>NPE-210A</th>
<th>NPE-240A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Heat Capacity (Input)</strong></td>
<td>Natural Gas</td>
<td>15,000-150,000 BTU/H</td>
<td>19,900-180,000 BTU/H</td>
<td>19,900-199,900 BTU/H</td>
</tr>
<tr>
<td></td>
<td>Propane Gas</td>
<td>15,000-150,000 BTU/H</td>
<td>19,900-180,000 BTU/H</td>
<td>19,900-199,900 BTU/H</td>
</tr>
<tr>
<td><strong>Flow Rate (DHW)</strong></td>
<td>Φ 35°F(95°C) Temp Rise</td>
<td>8.4 GPM (12 L/m)</td>
<td>10.1 GPM (18 L/m)</td>
<td>11.2 GPM (19 L/m)</td>
</tr>
<tr>
<td></td>
<td>Φ 45°F(25°C) Temp Rise</td>
<td>6.5 GPM (25 L/m)</td>
<td>7.8 GPM (30 L/m)</td>
<td>8.7 GPM (33 L/m)</td>
</tr>
<tr>
<td></td>
<td>Φ 77°F(25°C) Temp Rise</td>
<td>3.8 GPM (41 L/m)</td>
<td>4.6 GPM (71 L/m)</td>
<td>5.1 GPM (91 L/m)</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>W x H x D (inches)</td>
<td>17.3&quot; x 27.4&quot; x 11.4&quot;</td>
<td>17.3&quot; x 27.4&quot; x 11.4&quot;</td>
<td>17.3&quot; x 27.4&quot; x 11.4&quot;</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>lbs (kg)</td>
<td>75 (34)</td>
<td>82 (37)</td>
<td>82 (37)</td>
</tr>
</tbody>
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### Accessories

- **Remote Controller** (Available Q4, 2012)
- **Plumb Easy Valve Set (3/4")** (UA0900002A)
- **Condensate Neutralizer** (UA1300001A)
- **Ready-Link Communication Cable** (BCRA1129)
- **Outdoor Vent Kit** (NPE-180, 210, 240 Only) (Available Q4, 2012)

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*Navien America reserves the right to change specifications at anytime without prior notice.*

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For more information visit [www.TanklessMadeSimple.com](http://www.TanklessMadeSimple.com)