NPE-2 Series Tankless Water Heaters

**Specification Sheet**

**Premium Condensing Tankless Gas Water Heater**

- Certified design according to ANSI Z21.10.3 - CSA 4.3 latest standards for both indoor or outdoor installations (with optional Outdoor Vent Kit)
- Compatible with 1/2” gas pipe up to a length of 24 ft* (*see Installation Manual for additional information)
- Compatible with 2” PVC vent up to 75 ft** and 150 ft** using 3” PVC vent (**with no elbows)
- Designed for use in Residential and Commercial applications (see below for available models and warranty terms)
- Gas Input Ranges:
  - NPE-180A2/S2 - 150,000 to 10,000 BTU/h
  - NPE-210A2/S2 - 180,000 to 12,000 BTU/h
  - NPE-240A2/S2 - 199,900 to 13,300 BTU/h
  - NPE-150S2 - 120,000 to 18,000 BTU/h
- Hot Water Flow Rate Capacity (based on 35°C temperature rise)
  - NPE-180A2/S2 - 8.4 GPM
  - NPE-210A2/S2 - 10.1 GPM
  - NPE-240A2/S2 - 11.2 GPM
  - NPE-150S2 - 6.8 GPM
- TDR (Turn Down Ratio) up to 15:1
- Dual Primary and Secondary Stainless Steel Heat Exchangers for optimum efficiency and durability
- Built-In - Advanced Multi-Lines Control Panel with setup wizard allows adjustment of temperature settings and displays of operating status and error codes
- **CombusFlow** Technology - "A2" models come included with built-in 0.5 gallon Buffer Tank and Recirculation Pump to provide maximum comfort
- **INTELLIGENT Preheating** - recognizes hot water usage patterns to intelligently provide hot water when needed (optional for "S" models)
- **Temperature Options** - available temperature settings for Residential applications range from 97°F up to 140°F with high temperature Commercial mode capable of up to 185°F
- **Ready-Link Cascade Compatible** for up to 32 units for increased hot water production
- **Common Vent Compatible** - allows for cascade systems to use a single exhaust and/or intake pipe for up to 12 units with the use of the Common Vent Backflow Damper Collar Kit (#30014367A)
- Compatible with Navin Link Wi-Fi Control (#PRCM-AS-001)
- **Freeze Protection** - maintains normal operation during freezing ambient temperatures down to -5°F (standard on all models)
- **Uniform Energy Factor Ratings** for NG and LP units:
  - NPE-180A2/210A2/240A2 - 0.95 UEF
  - NPE-180S2/210S2/240S2 - 0.96 UEF
  - NPE-150S2 - 0.93 UEF
- Compatible with Natural Gas (NG) and Propane (LPG)***
  (** requires installation of included Field Conversion Kit by a qualified gas servicer)
- Approved for Installations on Manufactured Homes
- Optional NaviCirc Crossover Valve Compatible
- Certified by CSA, NSF 5, AHRI, AB1953 CA Low Lead, SCAQMD (Rule 1164.2 Type 1 - Complies with 14 ng/J or 20 ppm NOx @ 3% O2)
- 15-Year Heat Exchanger and 5-Year Parts Warranty (Residential)****
- 8-Year Heat Exchanger and 5-Year Parts Warranty (Commercial)****
  (** see Navien Limited Warranty)
- Optional accessories are available (see below)

---

**NPE-180A2/S2**
- 150,000 to 10,000 BTU/h
- 8.4 GPM

**NPE-210A2/S2**
- 180,000 to 12,000 BTU/h
- 10.1 GPM

**NPE-240A2/S2**
- 199,900 to 13,300 BTU/h
- 11.2 GPM

**NPE-150S2**
- 120,000 to 18,000 BTU/h
- 6.8 GPM

---

**Optional Accessories**

- Remote Controller (30027217B)
- Plumb Easy Valve Set (3/4") (30000122A - Lead Free, 30025812A - for Pipe Cover)
- Condensate Neutralizer (GXXX001323 - Single Unit, GXXX001324 - Up to 6 Units, GXXX001325 - Up to 16 Units)
- ReadyLink Communication Cable (GXXX000546)
- Outdoor Vent Kit (30025801A)
- External Pump Wire (GXXX001319)
- 3" Vent Termination Caps and Wall Flanges (GXXX08738)

---

**Technical Specifications**

- **Combustion/ERROR Menu**
  - Up Button
  - OK Button
  - Down Button

- **Recirculation/Space Heating Menu**
  - Up Button
  - OK Button
  - Down Button

- **Built-In Control Panel**

---

**Venting Options**

- **Direct Vent** (Indoor)
- **Non-Direct Vent** (Indoor, Outdoor)

---

**Certifications**

- ENERGY STAR®
- NSF
- UL
- CSA
- AB1953
- SCAQMD

---

**Warranty**

- **15-Year**
- **5-Year**

---

**NPE-2 Series**

- Sleek Design
- Compatible with 2” PVC and 1/2” Gas Pipe

---

**Supplied with**

- Advanced Multi-Lines Control Panel with setup wizard
- Buffer Tank
- Recirculation Pump
- Built-in 0.5 gallon Buffer Tank
- Up button
- Down button
- OK button
- OK button
- OK button

---

**Contact Information**

- Job Name: _________________________________
- Location: ________________________________
- Engineer: ________________________________
- Wholesaler: ______________________________
- Contractor: _______________________________
- Model No.: ________________________________
- Submitted to: _____________________________
**NPE-2 Series Tankless Water Heaters**  
**Specification Sheet**

### Gas-fired, tankless, condensing, wall-mounted water heater(s) shall be direct vent NPE-2 Series models as manufactured by Navien, Inc. and are certified by CSA International to the latest edition of ANSI standard Z21.10.3/CSA 4.3. Water heater(s) shall have a 15(S)-year limited Heat Exchanger warranty and 5(S)-year limited Parts warranty (8(S)-year Heat Exchanger and 5(S)-year Parts for Commercial use) per Navien Limited Warranty. Unit(s) shall be designed to burn natural gas and can be for use with propane when a Field Conversion Kit is installed. Unit(s) shall include electronic ignition, a high limit sensor, an overheat prevention device, a water temperature sensor, and a condensate collector.

#### Venting
- **Type:** Forced Draft Direct Vent

#### Ignition
- **Type:** Electronic

#### Water Pressure
- **Supply:** 15-150 PSI
- **Test:** 300 PSI

#### Heat Exchangers
- **Materials:** Stainless steel
- **Type:** Eco premixed burner, condensing, wall-mounted

#### Power Supply
- **Type:** 20/240 VAC, 60 Hz
- **Flow Rate:** 0.5 GPM (1.9 L/m), < 0.01 GPM (0.04 L/m) option for "A2" models*

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

#### Size
- **Main Supply:** 2 in or 3 in Special Gas Vent Type BH (Class II, A/B/C)
- **Type:** BH (Class II, A/B/C)

#### Venting
- **Flame Rod:** APS, Ignition Operation Detector
- **Water Temperature High Limit Switch:**
- **Exhaust Temperature High Limit Sensor:**
- **Power Surge Fuse:**
- **Burner High Limit Fuse:**
- **Vent Installation Detector (VID):**

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

#### Weight
- **NPE-150S2:** 62 lbs (28 kg)
- **NPE-180A2:** 73 lbs (33 kg)
- **NPE-180S2:** 56 lbs (25 kg)
- **NPE-210A2:** 77 lbs (35 kg)
- **NPE-210S2:** 73 lbs (33 kg)
- **NPE-240A2:** 73 lbs (33 kg)
- **NPE-240S2:** 77 lbs (35 kg)

#### Venting Type
- **NPE-150S2:** Indicate Direct Vent
- **NPE-180A2:** Direct Vent
- **NPE-180S2:** Direct Vent
- **NPE-210A2:** Direct Vent
- **NPE-210S2:** Direct Vent
- **NPE-240A2:** Direct Vent
- **NPE-240S2:** Direct Vent

#### Connection Sizes
- **Hot Water Outlet:** 1/2 in NPT
- **Gas Inlet:** 1/2 in NPT

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

---

*Navien reserves the right to change specifications at any time without prior notice*