

NPE-2 & NHW Series



# NPE-2 and NHW Series Tankless Water Heaters

Endless hot  
water comfort  
and savings for  
tomorrow's homes



# Navien's full line of industry leading gas tankless water heaters

**Navien is the best selling gas tankless water heater brand in North America. Our high-efficiency, high-performance condensing and non-condensing models give builders and homeowners more innovative choices, features and benefits than ever before**

## NPE-2 ultra high-efficiency condensing tankless water heaters



NPE-A2 Advanced condensing tankless units in the industry with ComfortFlow® built-in buffer tank and recirc pump for continuous hot water and durable dual stainless steel heat exchangers. Install easily with 1/2" gas and 2" PVC venting.



NPE-S2 Standard offers an incredibly high efficiency rating of up to 0.96 UEF. Standard Navien advantages include durable dual stainless steel heat exchangers, 1/2" gas capabilities and 2" PVC venting.

Model	Natural Gas or LP Gas
NPE-180A2 series	10,000–150,000 BTU/H
NPE-210A2 series	12,000–180,000 BTU/H
NPE-240A2 series	13,300–199,900 BTU/H

Model	Natural Gas or LP Gas
NPE-150S2 series	18,000–120,000 BTU/H
NPE-180S2 series	10,000–150,000 BTU/H
NPE-210S2 series	12,000–180,000 BTU/H
NPE-240S2 series	13,300–199,900 BTU/H

## NHW-A high-efficiency non-condensing tankless water heaters



NHW-AI Advanced interior units are the first and only non-condensing tankless with ComfortFlow® built-in recirculation pump and buffer tank. This innovation eliminates the need for an external pump and controls, saving time and money.



NHW-AE Advanced exterior non-condensing units also have the ComfortFlow® built-in recirculation pump and buffer tank, but are designed specifically for outdoor use. All NHW-A models also have NaviTech™ stainless steel burners and heat exchangers.

Model	Natural Gas or LP Gas
NHW-160AI series	10,700–160,000 (BTU/H)
NHW-180AI series	10,700–180,000 (BTU/H)
NHW-199AI series	10,700–199,900 (BTU/H)

Model	Natural Gas or LP Gas
NHW-160AE series	10,700–160,000 (BTU/H)
NHW-180AE series	10,700–180,000 (BTU/H)
NHW-199AE series	10,700–199,900 (BTU/H)

## NHW-S high-efficiency non-condensing tankless water heaters



NHW-SU Universal water heaters are the first non-condensing tankless with patented NaviTech™ stainless steel heat exchangers and burners. The NHW Universal is 0.81 UEF rated, installs inside or outside and is available in NG or LP.



NHW-SE exterior non-condensing water heaters have all the advantages of the NHW Universal but are designed specifically for outdoor use. These sleek, compact units can easily be installed anywhere outside the home.

Model	Natural Gas or LP Gas
NHW-160SU series	10,700–160,000 (BTU/H)
NHW-180SU series	10,700–180,000 (BTU/H)
NHW-199SU series	10,700–199,900 (BTU/H)

Model	Natural Gas or LP Gas
NHW-160SE series	10,700–160,000 (BTU/H)
NHW-180SE series	10,700–180,000 (BTU/H)
NHW-199SE series	10,700–199,900 (BTU/H)




ComfortFlow® built-in recirculation system available on NPE-A2 and NHW-A models



Endless hot water



U.S. Green Building Council LEED Points  
Lower HERS home index score

	NPE-2 series water heater	1
	NPE-2 series location	2
	NPE-2 series recirculation	3

Navien innovative eco-friendly energy and space-saving technology makes it easy for builders and homeowners to go tankless



Low NO<sub>x</sub> emissions



Stainless steel heat exchangers and burners



Options to install outside or inside



Up to 80% smaller than traditional tanks

Space saving and lightweight design



NaviLink® optional WiFi remote control



Cascading capability

# NPE-A2 Advanced

## Navien premium ultra high-efficiency condensing tankless water heaters

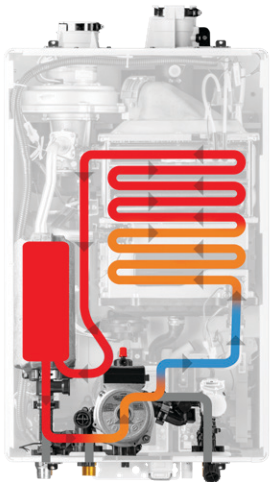


- Exclusive ComfortFlow® internal recirculation
- Field gas convertible
- Earn up to 3 LEED points with recirculation
- Lower HERS home index score
- Recirculation activation with built-in HotButton® control
- Residential and commercial



Endless hot water faster with Navien's internal and external recirculation system

### ComfortFlow® built-in recirculation system



**ComfortFlow®**  
internal recirculation

Navien tankless with ComfortFlow® is the first to have an internal buffer tank and recirc pump. The buffer tank enables the NPE-A2 to operate at minimal flow rates. The built-in pump allows the NPE-A2 to recirculate water internally or externally through a dedicated recirc line or through existing supply lines while using the NaviCirc™ valve, without the need for external pumps or controls.



**NaviCirc™**  
recirc valve



**External recirculation with dedicated recirc loop**

# NPE-S2 Standard

## Navien premium ultra high-efficiency condensing tankless water heaters



- More output for the money
- Lower installation costs
- Field gas convertible
- Earn up to 3 LEED points
- Lower HERS home index score
- Residential and commercial



### Dual stainless steel heat exchangers

Deliver unmatched durability while resisting corrosion better than copper.

### EZNav™ control

With set-up wizard software uses simple text and icons making startup, status and diagnostics fast and easy.



### World-class durability for any size home or business

Navien's residential condensing tankless units are the same units that are used for large commercial water heating applications.



For homes with an extra high demand, NPE-2 units can be cascaded together without a separate controller.

<b>15</b> YEARS	<b>Heat Exchanger</b>
<b>5</b> YEARS	<b>Parts</b>
<b>1</b> YEAR	<b>Labor</b>

Navien NPE-2 series models come with world-class quality and one of the best warranties in the industry.



Field gas convertibility is easy with orifice conversion kits for NG to LP and high altitude installations. 🧐🧐🧐

# NHW-AI Advanced Interior

## Navien premium high-efficiency indoor non-condensing tankless water heaters



- NaviTech™ long lasting stainless steel heat exchanger and burner
- Strong residential and commercial warranties
- NaviVent™ concentric 3" x 5" venting
- Units available in either NG or LP
- Residential and commercial
- Up to 9.5 GMP @ 35° temp rise

**COMFORTFLOW**  
BUILT-IN PUMP & BUFFER TANK

**NAVITECH**  
STAINLESS STEEL  
HX AND BURNER

**PREMIUM  
INTEGRATED  
CONTROL**

**0.81 UEF**

**98°-140°**  
TEMP RANGE

The first and only non-condensing tankless water heater with ComfortFlow® built-in recirculation pump and insulated buffer tank

### NHW-A is designed with the patented ComfortFlow® recirc pump and buffer tank within the unit for internal and external recirculation

This Navien exclusive innovation eliminates the need for an external pump, controls and software because all the components and recirculation system controls are built-in. The ComfortFlow system also ensures consistent outlet temperature to eliminate the “cold-water sandwich effect” and saves costs and installation time. All NHW-A models are available with built-in internal and external recirculation technology to program Always-On, Weekly\* or Intelligent, which learns your hot water usage patterns.

\*Weekly requires the addition of the remote (included with NHW-AE, but optional with NHW-AI).



External recirculation with dedicated recirc loop



# NHW-AE Advanced Exterior

## Navien premium high-efficiency outdoor non-condensing tankless water heaters



- NaviTech™ long lasting stainless steel heat exchanger and burner
- Specifically designed for outdoor use only
- Includes indoor remote control system
- Units available in either NG or LP
- Residential and commercial
- Cascade capable

**COMFORTFLOW**  
BUILT-IN PUMP & BUFFER TANK

**NAVITECH**  
STAINLESS STEEL  
HX AND BURNER

**PREMIUM  
INTEGRATED  
CONTROL**

**0.81 UEF**

**98°-140°**  
TEMP RANGE

### Exclusive NaviTech™ stainless steel heat exchanger

The corrosion resistant heat exchanger is another advancement created from Navien's industry leading gas tankless water heating technology.

### Patented NaviTech™ stainless steel burner

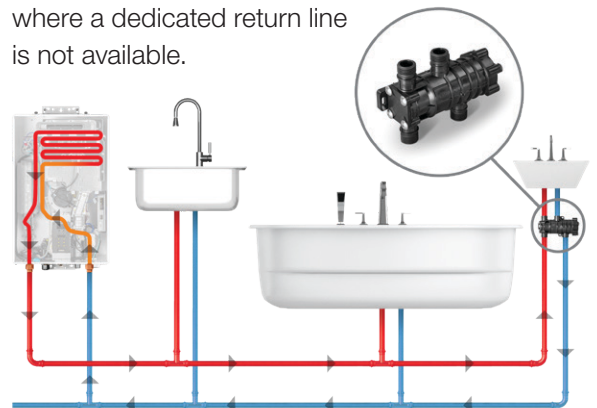
With precision control flame technology for eco-friendly low NOx emissions comparable to condensing water heaters.

### NHW Series integrated control panel

Allows you to adjust water temperature, operation status and troubleshooting.

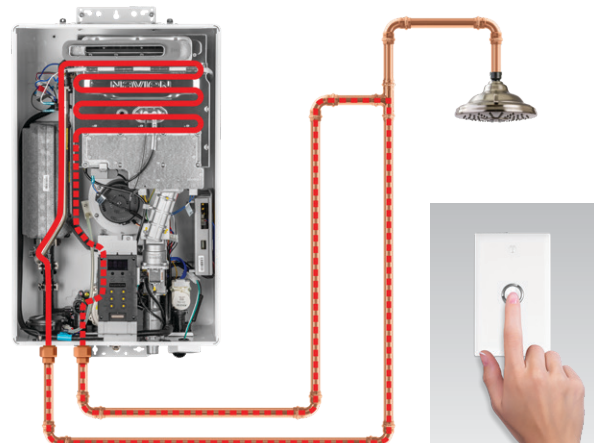
### NaviCirc™ optional recirculation valve

Designed to recirculate hot water in supply lines where a dedicated return line is not available.



### HotButton® optional on-demand system

At the push of a button, the system activates internal recirculation pump and gas fired burner to heat water in supply lines for faster hot water.



# NHW-SU Standard Universal

Navien premium high-efficiency non-condensing indoor/outdoor tankless water heaters



- NaviTech™ long-lasting stainless steel heat exchanger and burner
- Space-saving and lightweight design
- For indoor or outdoor use with optional vent cap
- Strong residential and commercial warranties
- NaviVent™ concentric 3" x 5" venting
- Cascade capable

**NAVITECH™**  
STAINLESS STEEL  
HX AND BURNER

**PREMIUM  
INTEGRATED  
CONTROLS**

**0.81** UEF

**98°-140°**  
TEMP RANGE

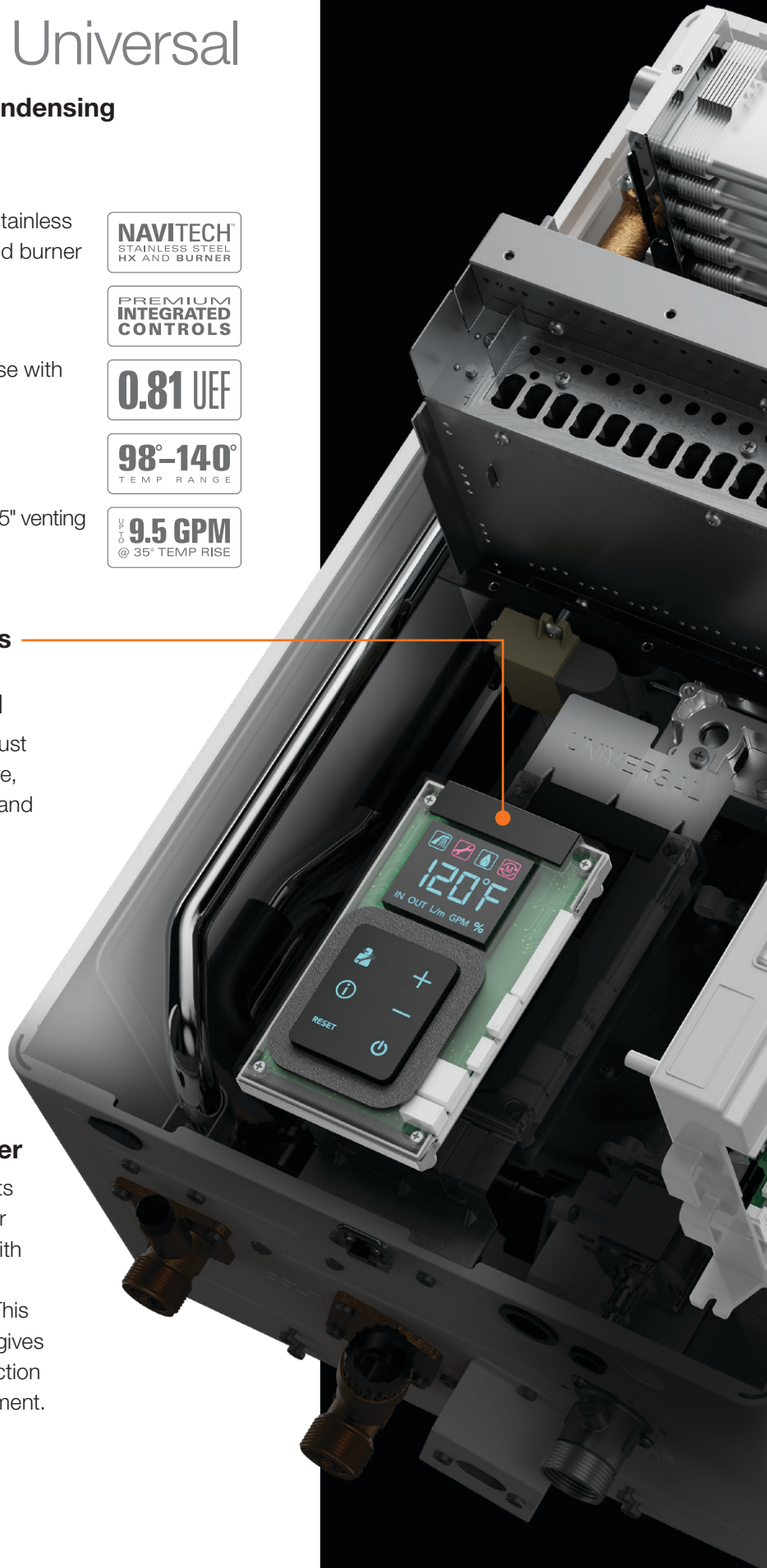
**9.5 GPM**  
@ 35° TEMP RISE

## NHW-S series integrated control panel

Allows you to adjust water temperature, operation status and troubleshooting.

## NHW-SU with optional outdoor vent cap and pipe cover

NHW-SU converts easily from indoor to outdoor use with optional vent cap and pipe cover. This stylish-look also gives you added protection from the environment.





# NHW-SE Standard Exterior

Navien premium high-efficiency non-condensing outdoor tankless water heaters



- NaviTech™ long-lasting stainless steel heat exchanger and burner
- Specifically designed for outdoor use only
- Strong residential and commercial warranties
- Includes indoor remote control system
- Units available in either NG or LP
- Cascade capable

**NAVITECH™**  
STAINLESS STEEL  
HX AND BURNER

**PREMIUM  
INTEGRATED  
CONTROLS**

**0.81 UEF**

**98°-140°**  
TEMP RANGE

**9.5 GPM**  
@ 35° TEMP RISE

## NaviTech™ stainless steel technology

Patented SS heat exchanger and SS burner lasts longer than copper and runs more efficiently than other systems.

## NaviTech™ patented stainless steel burner

With precision control flame technology for eco-friendly low NOx emissions comparable to condensing tankless models.

## PCB with built-in recirculation circuitry and software

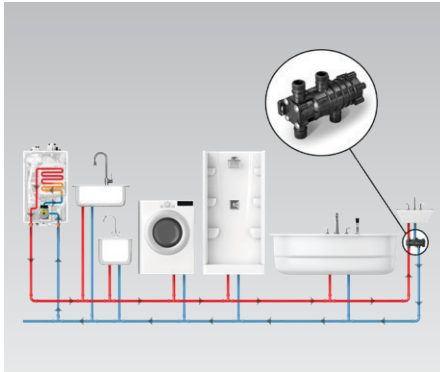
No need to add a separate control panel to set-up a recirculation system, which gets hot water to your fixtures faster.



# More ingenious options of Navien advanced tankless technology

## NaviCirc™ recirculation valve\*

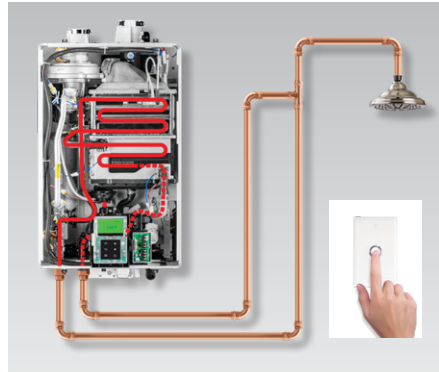
Designed for recirculation applications where a dedicated return line is not available. NaviCirc™ valve works best installed under furthest fixture from the water heater.



\*External pump needed for NPE-S2 and NHW-S models.

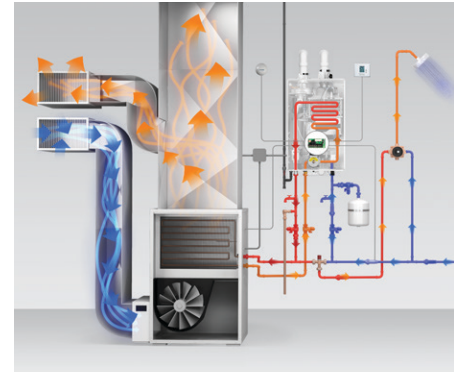
## HotButton® hot water on-demand system\*

At the push of a button, the HotButton® system activates recirculation pump and gas fired burner to heat water in the supply lines to provide hot water only when needed.



## H2Air® combination heating & DHW system\*

The Navien H<sub>2</sub>Air Kit includes an add-on controller to integrate space heating and DHW between any NPE-2 or NHW tankless water heater and a hydronic air handler.



## Supporting your green building reputation with world-class service, training & warranty



Navien is a great hot water and heating solution for energy efficient homes. Besides our energy saving systems, Navien's advanced customer services, webinars, extensive field support and training events, not to mention our strong warranty, gives builders, architects and contractors the ultimate peace of mind.

## Warranty

Application		Labor	Parts	Heat Exchanger	
Residential	Standard	1 year	5 years	15 years	
	Uncontrolled Recirculation <sup>2</sup>	1 year	3 years	5 years	
Commercial or Combi <sup>1</sup>	Standard	1 year	5 years	NPE-2: 8 years	NHW: 5 years
	Uncontrolled Recirculation <sup>2</sup>	1 year	3 years	3 years	

<sup>1</sup>Combi refers to a combination potable water and space heating application. Water heaters cannot be used in space heating only applications.

<sup>2</sup>Uncontrolled-Recirculation: External pumps configured to circulate continuously through the water heater are subject to the uncontrolled recirculation warranty terms. An aquastat is the minimum pump control requirement for DHW or storage tank recirculation in order to maintain the full controlled recirculation warranty.

For complete details please refer to the full warranty at [Navieninc.com](http://Navieninc.com).

GAS TANKLESS WATER HEATERS • WALL-HUNG BOILERS

**WE ARE**  
**ONE**

#1 IN NORTH AMERICA\*

Today's builders and  
homeowners have made  
Navien Tankless  
the ONE they like best



Discover why  
today's builders  
and homeowners  
switch to Navien



We are @Navieninc everywhere



**Navien Inc.**

20 Goodyear, Irvine, CA 92618  
Navieninc.com 800-519-8794

**Navien Canada, Inc.**

555 Hanlan Rd., Unit 7,  
Vaughan, ON L4L 4R8  
Navieninc.ca 800-519-8794

