

# NRC661

QUALITY MEETS VALUE

# HOW DOES IT WORK?

## STEP 1

A hot water fixture is turned on.

## STEP 2

Cold water enters the heater & the sensor detects water flow.

## STEP 3

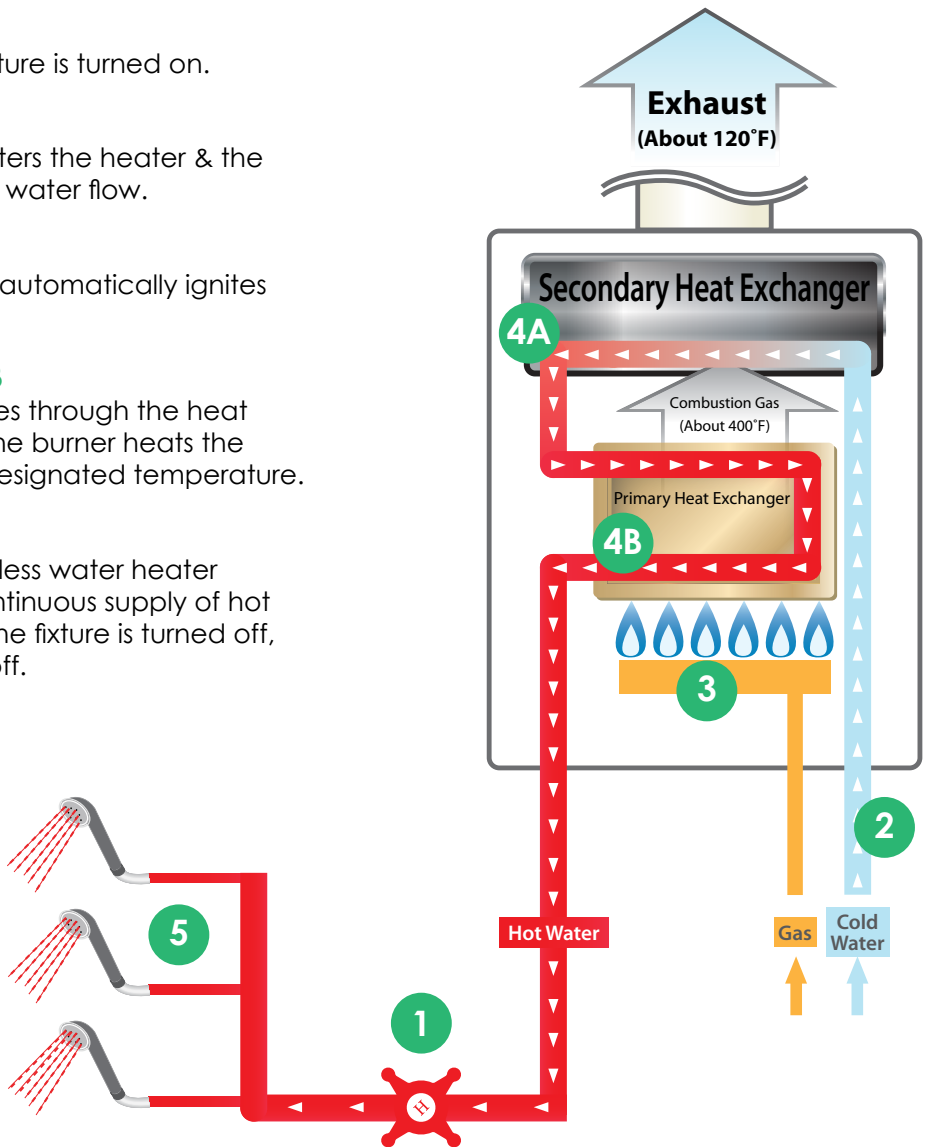
The computer automatically ignites the burner.

## STEP 4A & 4B

Water circulates through the heat exchangers. The burner heats the water to the designated temperature.

## STEP 5

The Noritz tankless water heater provides a continuous supply of hot water. When the fixture is turned off, the unit shuts off.



## ON DEMAND SYSTEM

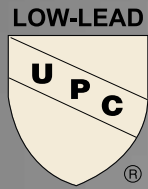
You don't use hot water 24-hours a day. Yet a standard tank-type water heater consumes energy round the clock to keep the water hot.

By heating water only when you need it, ENERGY STAR qualified tankless water heaters save the typical family more than \$100 per year on gas bills compared to a standard storage model. Larger families can save even more!

## CLEAN & FRESH WATER

With tankless you avoid using water that has been stored in a tank with accumulated rust and scale.





Low NOx  
Approved by SCAQMD  
14ng/J or 20ppm





## 3" PVC VENT

- Provides the highest efficiencies.
- Saves time.
- Saves money.

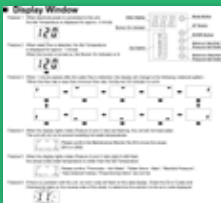
## EF UP TO .93



Qualifies for 2013 Federal Tax Rebates and additional utility rebates.\*

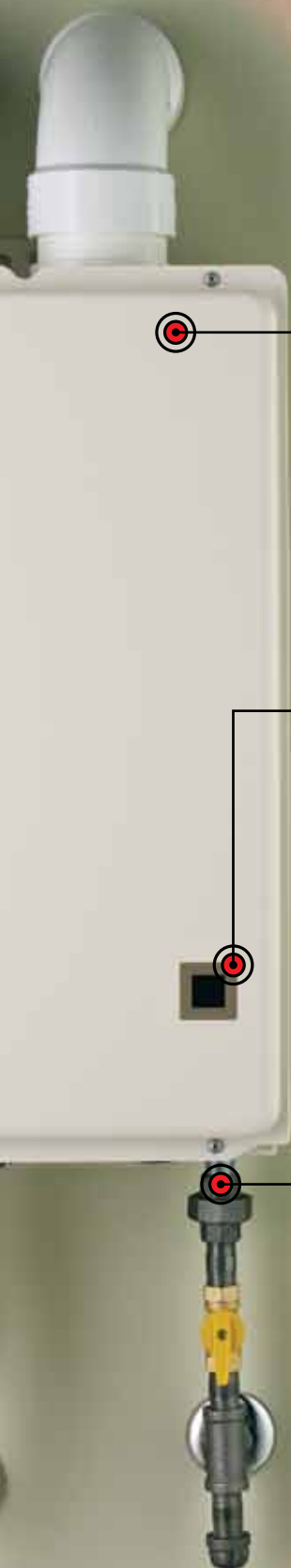
\*Check with your local utility company for more information or go to [www.noritz.com/rebates](http://www.noritz.com/rebates)

## TECH DATA SHEET INSIDE



- Located inside the front cover.
- Gives the servicing contractor all the necessary information needed to trouble shoot.
- No downloading documents or calling in. It's all right at your fingertips.





## REDUCED MIN. FIRE BTUH

- Min 15K to max 120K BTUH
- Ability to receive warm incoming water.
- Performance equal to 140K non condensing tankless.

## DIGITAL DISPLAY

Assists in troubleshooting by indicating flow rates, temperature & common error codes.

## 1/2" GAS LINE

Cut installation times in half by not having to replace the existing gas line.\*

\*Must ensure lines are sized correctly based on National Fuel Gas Code.



## NRC661 VS. TANK



HOUSEHOLD:  
 FUEL TYPE: 2-3 Person  
 STORAGE: Natural Gas  
 AVAILABILITY: No Storage  
 VENT SIZE: Continuous  
 DIMENSIONS: 3" PVC  
 WEIGHT (LBS): 13.8" x 22.3"  
 GAS CONNECTION: 38 lbs  
 WATER CONNECTION: 1/2"  
 EFFICIENCY: 3/4"  
 WARRANTY: 93%  
 12-Year Warranty on Heat Exchanger/ 5 Years on Parts\*



HOUSEHOLD:  
 FUEL TYPE: 2-3 Person  
 STORAGE: Natural Gas  
 AVAILABILITY: 40 Gallon  
 VENT SIZE: Limited  
 DIMENSIONS: 3 x 4  
 WEIGHT (LBS): 63.25" x 21"  
 GAS CONNECTION: 140 lbs  
 WATER CONNECTION: 1/2"  
 EFFICIENCY: 3/4"  
 WARRANTY: 62%  
 6-Year Limited Warranty

\*Refer to our warranty terms & conditions for more details.

## NRC661 ACCESSORIES



**SV  
 CONVERSION  
 KIT**  
 SV-CK-3



**PIPE  
 COVER**  
 PC-1S



**RECESS  
 BOX**  
 RB-510



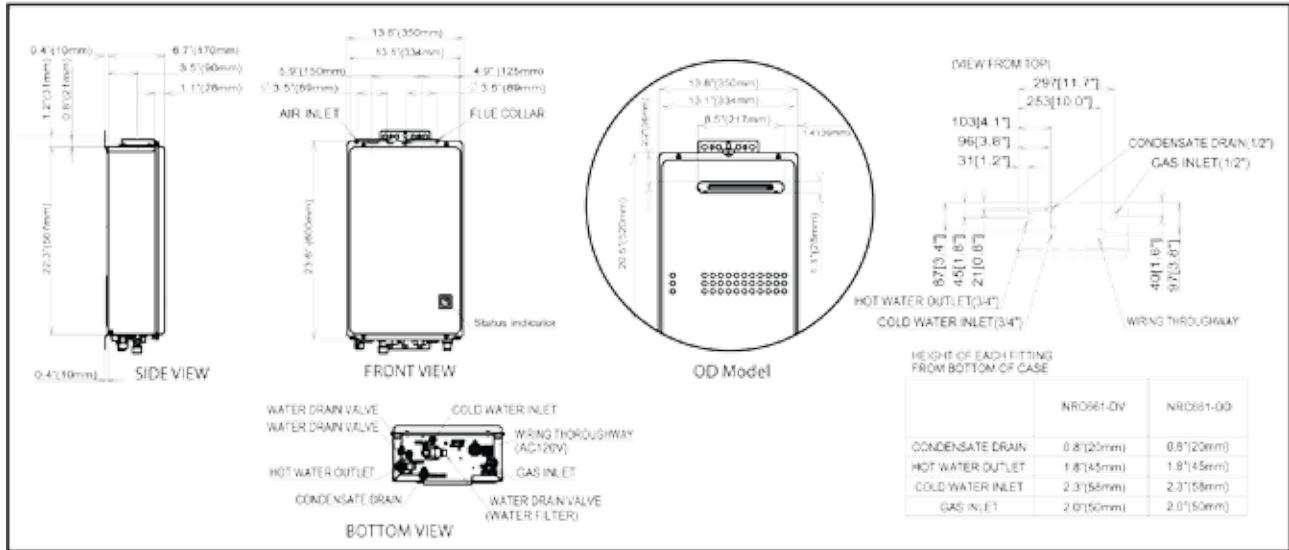
**SCALE  
 PROTECTION**  
 H2F



**ISOLATOR  
 VALVES**  
 IK-WV-200-1-SW  
 IK-WV-200-1-TH

LEAD-FREE AVAILABLE:  
 IK-WV-200-1-SW-LF  
 IK-WV-200-1-TH-LF

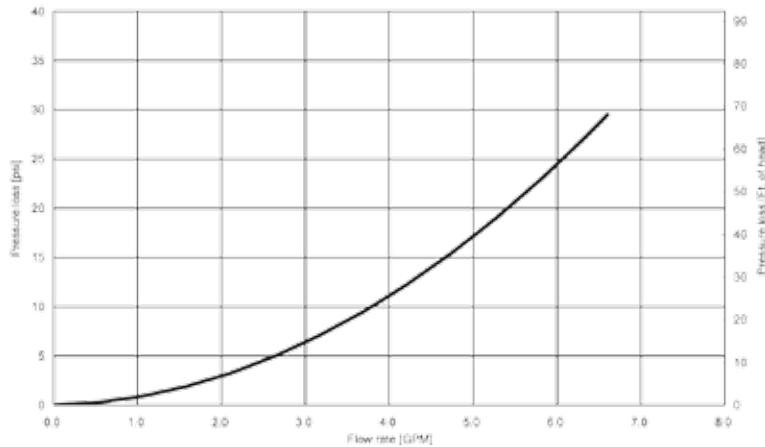
Dimensions



Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100
Flow Rate (GPM)	6.6	5.8	5.3	4.6	3.8	3.3	2.9	2.6	2.3

Pressure Loss Characteristics



Maximum Vent Length for 3" PVC

1	57'
2	51'
3	45'
4	39'

SPECS

MODEL NAME	NRC661-OD		NRC661-DV	
WEIGHT	36 (POUNDS)		38 (POUNDS)	
WATER HOLDING CAPACITY	0.2 GALLON (0.9 L)			
CONNECTION SIZES	WATER INLET	3/4"		
	HOT WATER OUTLET	3/4"		
	GAS INLET	1/2"		
	CONDENSATE DRAIN	1/2"		
	SUPPLY	120VAC (60HZ), LESS THAN 4 AMPERES		
CONSUMPTION	NG: 43W LP: 42W FREEZE PREVENTION 139W		NG: 54W LP: 56W FREEZE PREVENTION 138W	
FREEZE PROTECTION	OUTDOOR: -4°F		INDOOR: -30°F	
TEMP. SETTINGS WITH OPTIONAL REMOTE CONTROLLER (RC-7651M)	°F MODE	100-140°F (IN 5°F INTERVALS) (9 OPTIONS)		
	°C MODE	37-48°C (IN 1°C INTERVALS), 50, 55, 60°C (IN 5°C INTERVALS) (15 OPTIONS)		
DEFAULT TEMP. OPTIONS	°F MODE	120, 135, 140°F (DEFAULT IS 120°F)		
	°C MODE	50, 57, 60°C (DEFAULT IS 50°C)		



# DEMAND

*excellence*



[WWW.NORITZ.COM/NRC661](http://WWW.NORITZ.COM/NRC661)