



2012 Catalog

Version 3



CONVERT YOUR TANK TO TANKLESS!



Durability

6
YEARS
WARRANTY

On a 50
gallon
tank
water
heater

12
YEARS
WARRANTY

On a Noritz
tankless
water
heater



Efficiency

A Noritz tankless
water heater **is**
UP
TO

40%

MORE
EFFICIENT
THAN

A 50 gallon tank
water heater



Life
Expectancy

A Noritz tankless
water heater **lives**

2-3X
LONGER THAN

A 50 gallon tank
water heater

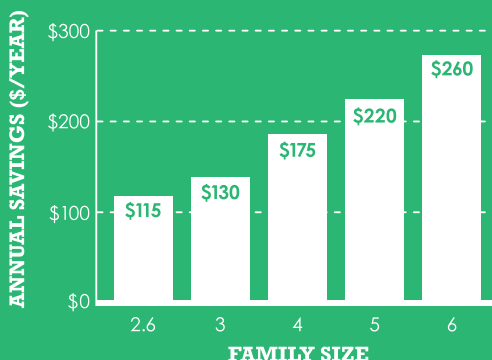


Space
Savings

A Noritz tankless
water heater **saves**

9 SQ.
FT. **>** MORE
SPACE
THAN

A 50 gallon tank
water heater



Source: http://www.energystar.gov/index.cfm?c=gas_tankless.pr_savings_benefits

Since there is no stored hot water that requires constant reheating like traditional tank systems, you can save up to 40% of your current water heating bill.*

The ability to use less-expensive PVC venting, flexible installation options and superior construction quality makes Noritz the industry leader for **value & durability**.

*This information is provided as a reference based on average hot water usage and unaltered energy source. Actual results may vary. The cost savings factor reflects solely to the relative usage of water heater. Actual gas utility bill may reflect the usage of other gas appliances (e.g. gas stoves, furnace, clothes dryer).



DIRTY WATER VS. CLEAN WATER

As years pass, traditional tank-type water heaters start to rust and build up scale inside the

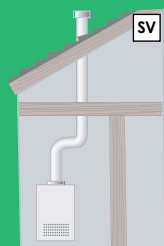
tank, which is where your hot water is being stored for use. A Noritz tankless heats water as it passes through the unit, so you will never have to use hot water that has been stored in an old rusty tank.



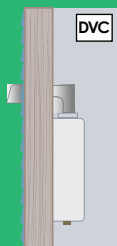
ENDLESS HOT WATER

A tankless water heater heats water on demand, so that means **no storage or shortage of hot water**.

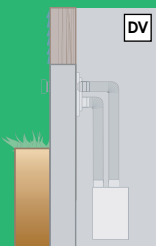
FLEXIBLE INSTALLATIONS



Vertical vent
termination



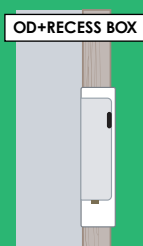
Horizontal vent
termination



Basement DV
installation



Outdoor
installation



Recess box
installation

ENERGY STAR



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!

CONDENSING TECHNOLOGY

PVC VENTING

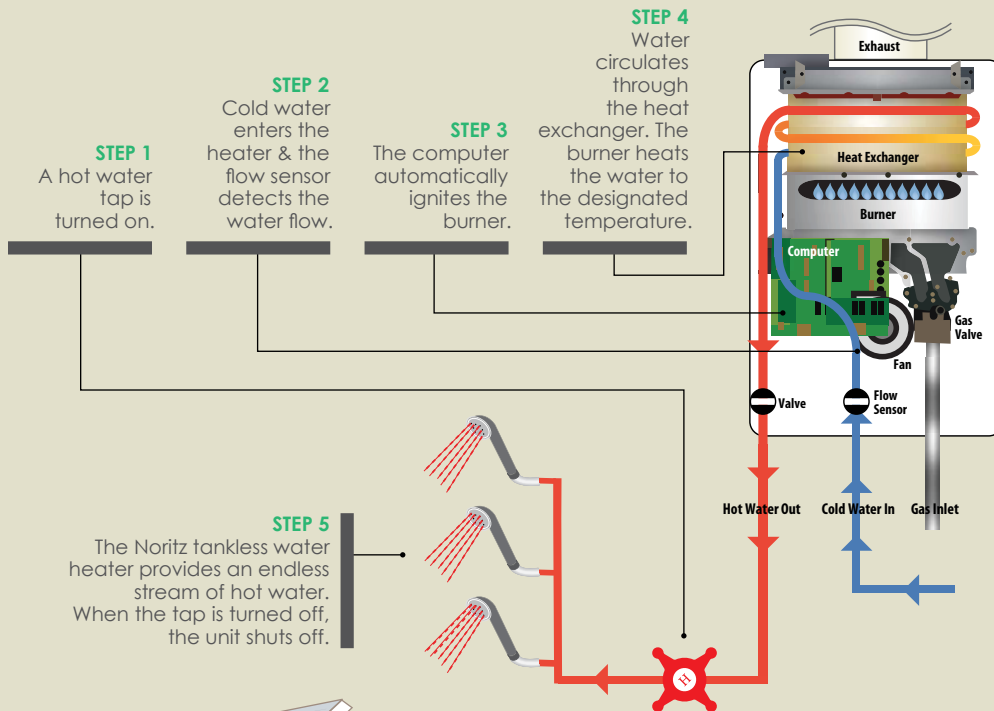


Because the exhaust gas temperature is reduced significantly with our condensing units, less expensive PVC can be used for venting.



STAINLESS STEEL SECONDARY HEAT EXCHANGER

100% Stainless Steel. Built entirely of stainless steel materials, our secondary heat exchanger resists corrosion and is built to last.



HOW DOES A TANKLESS WORK?

The obvious difference between a tank and a tankless is its size. Not only will you gain significant space, but you'll also get endless hot water with a tankless.

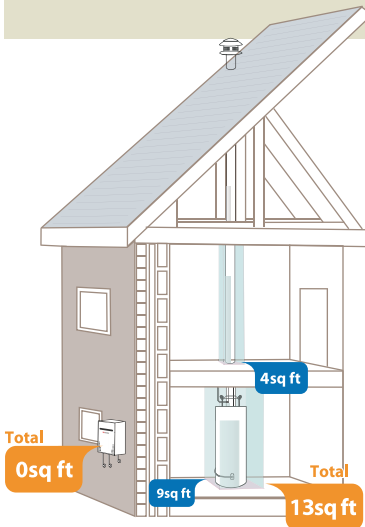
Noritz tankless water heaters last longer than traditional tank water heaters and are backed with a 12-year warranty.

With a tankless, you won't be using hot water that is stored in a tank that can accumulate scale and rust over time. Noritz units allow you to set the temperature you want.

SPACE SAVING CALCULATION

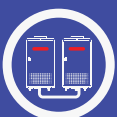
A traditional tank-type water heater takes up to 13 ft² of space. If 1 ft² is worth \$200, that's \$2,600 (13 ft² X \$200) worth of space you could be saving at Noritz

* Installation must conform with local codes, or in the absence of local codes, the National Fuel Gas Code, ANSI Z223.1/NFPA 54.



COMMERCIAL ADVANCED SOLUTIONS

Noritz advanced technology allows multiple units to communicate with each other to meet commercial-size hot water demands. Noritz is fit for high hot water demand industries like restaurants, hotels, universities, laundromats, etc.



REDUNDANCY

Any one of the Noritz commercial units on a multi-system can be taken offline and serviced without compromising your business. Hot water will still be provided by the other units.



EFFICIENCY

Because of the modulating technology, a Noritz commercial system heats water using only the energy necessary to meet the demand, reducing energy consumption significantly and saving on water heating costs.



VERSATILE INSTALLATION

Noritz commercial units can be installed indoor or outdoor and because of its size and weight, they can be wall hung or racked, making spaces once thought impossible, possible.

eco**TOUGH™**



CONDENSING



NRC1111

Max. 199,900 btuh
Min. 16,000 btuh
Max. 11.1 gpm
Max. temp. 140°F
Energy Factor:
.92(NG) .91(LP)

DV **OD** **SV CONVERSION**



NRC98

Max. 180,000 btuh
Min. 16,000 btuh
Max. 9.8 gpm
Max. temp. 140°F
Energy Factor:
.91(NG) .92(LP)

DV **OD** **SV CONVERSION**



NRC83

Max. 157,000 btuh
Min. 16,000 btuh
Max. 8.3 gpm
Max. temp. 140°F
Energy Factor:
.92(NG & LP)

DV **OD** **SV CONVERSION**

pro**TOUGH™**



NR111

Max. 250,000 btuh
Min. 11,000 btuh
Max. 11.1 gpm
Max. temp. 180°F
Energy Factor:
N/A

SV **DV** **OD**



NR981

Max. 199,900 btuh
Min. 16,000 btuh
Max. 9.8 gpm
Max. temp. 140°F
Energy Factor:
.82(NG) .88 (LP)

SV **DVC** **OD**



NR83

Max. 180,000 btuh
Min. 18,000 btuh
Max. 8.3 gpm
Max. temp. 140°F
Energy Factor:
.82(NG) .83(LP)

DVC

value**SOLUTIONS**



NR71

Max. 180,000 btuh
Min. 25,000 btuh
Max. 7.1 gpm
Max. temp. 160°F*
Energy Factor:
SV .83(NG & LP)
OD .82(NG) .83(LP)

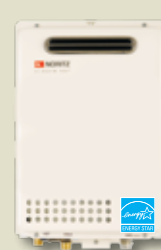
SV **OD**



NR66

Max. 140,000 btuh
Min. 20,000 btuh
Max. 6.6 gpm
Max. temp. 160°F*
Energy Factor:
SV .82(NG) .84(LP)
OD .83(NG) .84(LP)

SV **OD**



NR50

Max. 120,000 btuh
Min. 19,000 btuh
Max. 5.0 gpm
Max. temp. 160°F*
Energy Factor:
.82(NG & LP)

OD

*with remote. 140°F without remote

COMMERCIAL



NC380

Max. 380,000 btuh
Min. 22,500 btuh
Max. 13.2 gpm
Max. temp. 180°F
Energy Factor:
N/A

SV



NC250

Max. 250,000 btuh
Min. 11,000 btuh
Max. 11.1 gpm
Max. temp. 180°F
Energy Factor:
N/A

SV **DV**



NCC1991

Max. 199,900 btuh
Min. 16,000 btuh
Max. 11.1 gpm
Max. temp. 185°F
Energy Factor:
.92(NG) .91(LP)

DV **OD** **SV CONVERSION**



NC1991

Max. 199,900 btuh
Min. 16,000 btuh
Max. 9.8 gpm
Max. temp. 185°F
Energy Factor:
.82(NG) .88(LP)

OD **DVC**

HYDRONICS

BOILER + RESET CONTROL + PUMP



NH199

Max. 199,900 btuh
Min. 55,500 btuh
Min. 4.0 gpm
Max. temp. 180°F
Efficiency:
82.7% (NG) 83% (LP)

DV



NH150

Max. 150,000 btuh
Min. 55,500 btuh
Min. 4.0 gpm
Max. temp. 180°F
Efficiency:
83% (NG) 82.8% (LP)

DV

SV Single pipe. Garage/
Attic installs, etc.
SV CONVERSION PVC available

DV Two-pipe, PVC
available. Basement,
mechanical room, etc.

OD Outdoor only.
No vent required.

DVC Concentric vent. One
termination. Basement,
mechanical room, etc.

Energy Star
compliant

WHICH
NORITZ
IS RIGHT
FOR ME?

FOLLOW THESE
EASY STEPS:

EXAMPLE: Noritz
tankless heater's hot
water temperature is
set at 105°F.

1 What is your incoming tap water
temperature during the winter season?
40° in cold regions (Alaska, Chicago,
New York)
60° in warm regions (Los Angeles, CA &
Dallas, TX)

DEGREES

2 105°F minus the answer to Question #1
is the temp. difference/rise.

TEMP. RISE

3 How much hot water do you use at peak
times? (Total GPM required)
• Shower - 2.5 GPM
• Sink - 1.5 GPM
• Dishwasher - 2 GPM
• Washing machine - 2 GPM
• Hot tub - 6 GPM

TOTAL GPM

4 Using the answers from questions #2 &
#3, refer to the Flow Chart to determine
your Noritz heater model.

Temp Rise (°F)	(NC380) Series	NR111 (NC250) Series	NRC1111 (NCC1991) Series	NRC98 NR981 (NC1991) Series	NR83 Series	NRC83 Series	NR71 Series	NR66 Series	NR50 Series
30	13.2	11.1	11.1	9.8	8.3	8.3	7.1	6.6	5.0
35	13.2	11.1	10.6	9.2	8.1	7.8	7.1	6.6	5.0
40	13.2	10.5	9.3	8.4	7.6	7.3	7.1	5.7	5.0
45	13.2	9.3	8.4	7.5	6.7	6.5	6.3	5.3	4.2
50	12.5	8.4	7.4	6.7	6.1	5.8	5.8	4.6	3.9
55	11.3	7.6	6.8	6.1	5.4	5.4	5.2	4.2	3.5
60	10.4	7.0	6.2	5.6	5.0	4.9	4.8	3.8	3.3
65	9.6	6.5	5.8	5.2	4.7	4.6	4.4	3.5	3.0
70	8.9	6.0	5.3	4.8	4.3	4.2	4.1	3.3	2.8
75	8.3	5.6	5.0	4.5	4.1	4.0	3.8	3.1	2.6
80	7.8	5.3	4.6	4.2	3.8	3.7	3.6	2.9	2.5
85	7.3	4.9	4.4	4.0	3.6	3.5	3.4	2.7	2.3
90	6.9	4.7	4.1	3.7	3.4	3.2	3.2	2.6	2.2
95	6.6	4.4	3.9	3.5	3.2	3.1	3.0	2.4	2.1
100	6.2	4.2	3.7	3.4	3.0	2.9	2.9	2.3	2.0

For peak flow rates in shaded areas, contact Noritz for proper setting.

MODEL	SUMMER WATER SUPPLY (70°F)	WINTER WATER SUPPLY (45°F)
NC380	5.3 SHOWERS AT 13.2 GPM	4.2 SHOWERS AT 10.4 GPM
NR111, NC250	4.4 SHOWERS AT 11.1 GPM	2.8 SHOWERS AT 7.0 GPM
NRC1111 NCC1991	4.1 SHOWERS AT 10.6 GPM	2.5 SHOWERS AT 6.2 GPM
NRC98, NR981, & NC1991	3.7 SHOWERS AT 9.2 GPM	2.2 SHOWERS AT 5.6 GPM
NR83	3.3 SHOWERS AT 8.1 GPM	2.0 SHOWERS AT 5.0 GPM
NRC83	3.1 SHOWERS AT 7.8 GPM	2.0 SHOWERS AT 4.9 GPM
NR71	2.8 SHOWERS AT 7.1 GPM	1.9 SHOWERS AT 4.8 GPM
NR66	2.6 SHOWERS AT 6.6 GPM	1.5 SHOWERS AT 3.8 GPM
NR50	2.0 SHOWERS AT 5.0 GPM	N/A FOR WINTER WEATHER

Assuming a standard 2.5 GPM shower head and 105°F output water temperature.
NC380, NC250, NC1991 & NCC1991 are commercial models.



CONDENSING EXHAUST



CONCENTRIC EXHAUST



DIRECT VENT



SINGLE VENT



OUTDOOR EXHAUST

RECOMMENDED ACCESSORIES

DIGITAL PRECISION
Remote Controller

Set the water
temperature and
access the
diagnostic mode.
Features a safety
temperature lockout
to avoid scalding
temperature.



DOUBLES THE OUTPUT
Quick-Connect Cable

Used to link two
identical units
together. This allows
both units to
communicate with
each other using only
one remote controller.



FOR PROPER MAINTENANCE
Isolation Valves

Valve handles are
positioned for easy
access and operation,
even in a recess box
installation. It assures
effective system
maintenance. Pressure
relief valve included.



CLEANER LOOK
Pipe Cover &
Recess Box

Hides the
plumbing
underneath, the
recess box gives
more square
footage inside
the home.



H2FLOW™

OUR WATER CONDITIONING SOLUTION:

- MAINTAINS ENERGY EFFICIENCY
- REDUCES MAINTENANCE
- REMOVES EXISTING SCALE

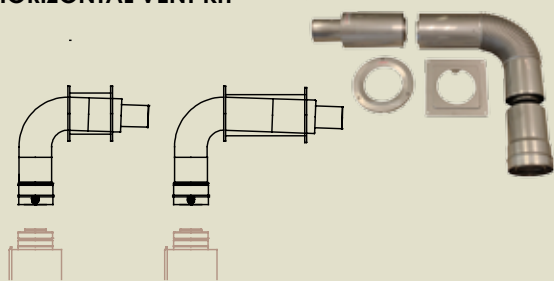
SCALE PROTECTION
H2Flow Water Treatment

The answer to effectively
handle hard water scale
build up. Economical solution
to hard scale build
up that can help to protect
your appliance for years to
come. Valve included.

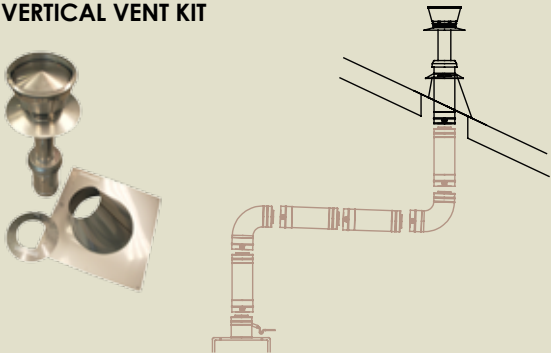


CONCENTRIC VENTING FOR DVC MODELS

HORIZONTAL VENT KIT

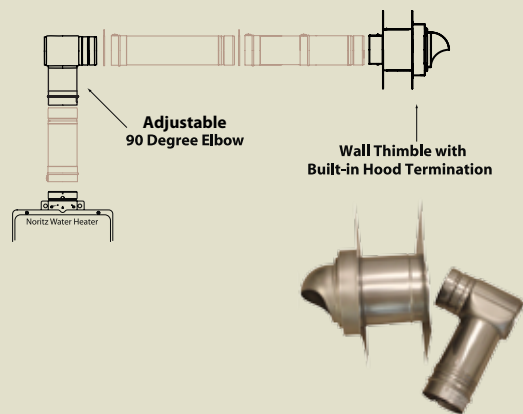


VERTICAL VENT KIT

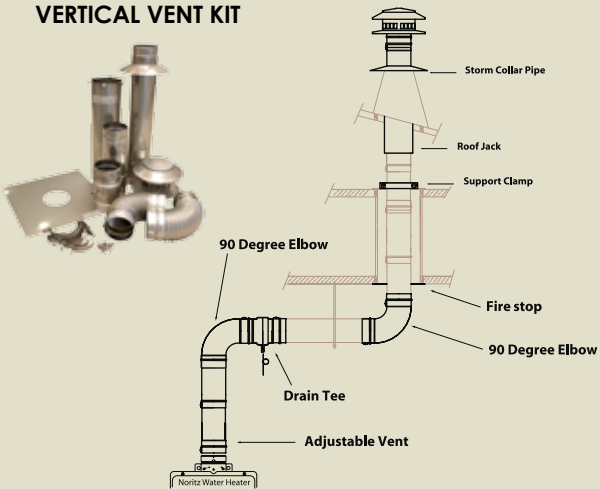


STAINLESS STEEL VENTING FOR SV MODELS

HORIZONTAL VENT KIT

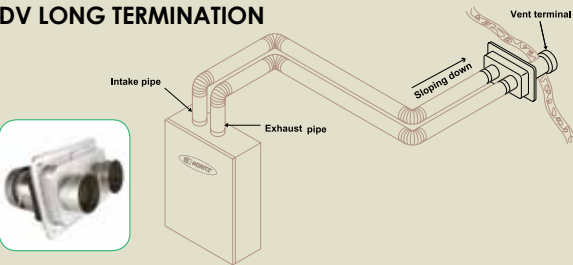


VERTICAL VENT KIT

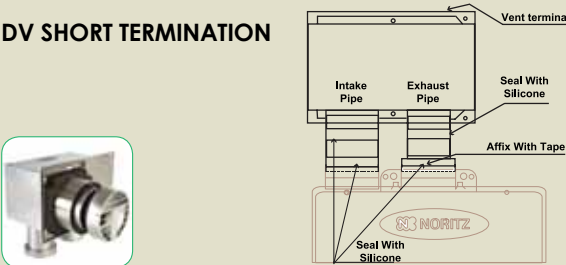


STAINLESS STEEL VENTING FOR DV MODELS

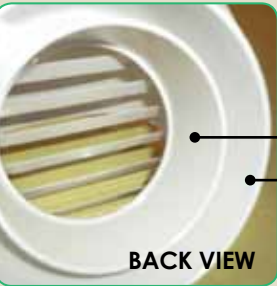
DV LONG TERMINATION



DV SHORT TERMINATION



PVC VENTING FOR CONDENSING MODELS



For 3" PVC & CPVC
For 4" PVC & CPVC

NEW! DV → SV KIT CONVERTER

Converts the condensing water heater from a direct vent system (DV) to a standard vent system (SV).

This accessory is required for proper operation with the SV conversion kit.



PROFESSIONAL
FINISH:
2 IN 1 DESIGN

*not approved in Canada

WORLD'S ADVANCED TANKLESS TECHNOLOGY LEADER



CONDENSING TECHNOLOGY

Noritz condensing units utilize a dual heat exchanger, a fusion of stainless steel and copper heat exchangers. The 100% stainless steel heat exchanger captures the latent heat from the exhaust gases preheating the water before it enters the main copper heat exchanger. This results in dramatic reduction of carbon dioxide and increases the heater's efficiency level to over 92%



SUPER HEAT EXCHANGER

The heat exchanger was re-engineered to increase thermal efficiency. The piping is **25% thicker** to improve durability and to ensure a longer life.



UNMATCHED FLOW CAPABILITIES

Noritz is the only tankless manufacturer which allows you to connect and control up to 24 units together. With only one system controller, our heaters can be connected for a flow capacity of 316.8 GPM and 9.1 million Btuh. Through this advanced technology, Noritz can meet the flow requirements of even the most demanding applications.



SUPPORT SITE & CALL CENTER

Noritz America recently unveiled two customer-service initiatives – a Technical Support Web Site and an In-House Call Center – with the goal of delivering information more quickly and efficiently to customers, whether their preferred method is the telephone or online.

SUPPORT.NORITZ.COM • 866.766.7489



BROADEST SELECTION

Noritz has the broadest selection of tankless water heaters in the industry. We are confident that you will find the perfect unit for all your needs. In addition, we also have the most complete line of venting and accessories for our tankless water heaters to make installation as simple as possible.

PROCard

Noritz qualified installers

Our factory trained installers are dedicated to ensure the proper installations of Noritz tankless water heaters.

- Trained by qualified Noritz engineers
- Have received trainings on Noritz products, sizing, installations and service
- **PROCard** members can be found on the official Noritz website at www.noritz.com/home-owners



RESIDENTIAL WARRANTY*

Noritz offers a 12-year warranty on the heat exchanger and a 5-year warranty on parts and 1-year reasonable labor. Labor will be paid to an authorized Noritz Service Representative on pre-approved warranty repairs.

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



REBATE PROGRAM

Many local utility companies are recognizing the benefits of tankless water heaters and are encouraging this through rebates. Check with your installer, local utility company or www.noritz.com/rebates for available rebates.



Thank You

for your continued business...

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