2022
COMMERCIAL GUIDE

Ava 55 9th Luxury Apartments
San Francisco, CA

QUALITY
MEETS PERFORMANCE

PROFESSIONALS AND BUSINESSES
PREFER NORITZ COMMERCIAL TANKLESS
WATER HEATERS

It's time to forego the unreliability and cumbersome footprint that commercial tank type water heaters and boilers typify.

Losing their touch over time, traditional commercial water heating equipment has become dated and obsolete; problematic in terms of space, redundancy, cost, and overall system life.

The limitations and obstacles traditional equipment has come to represent have presented opportunities for Noritz to innovate TRUE hot water solutions for commercial applications. Speaking of space, Noritz Commercial Tankless Water Heaters sleek modular design allows each unit to be installed in versatile locations and types. Multi systems are installed on site or available as pre-fabricated Commercial Rack systems in either wall or floor mount configurations designed to recover valuable space in your building. (CR Series)

In terms of reliability and system life, The Noritz multi-system takes tanks and boilers to task as its intelligent modulation works to stage, balance, and distribute all hot water loads evenly between the units during operation, maximizing output, efficiencies, and system life. The scalability of the Noritz Multi-system inherently builds in redundancy, positioning Noritz as the new benchmark in commercial water heating.

TRUE INDUSTRY SOLUTIONS
MULTI-UNIT TANKLESS SYSTEM
WITH TANK STORAGE

TRUE COMMERCIAL TANKLESS

With features such as multi-system linking and modulation, it's easy to see why so many businesses trust Noritz and its commercial line of products.

T TRUSTED

Since 1951, Noritz commitment and mission has been to "make people happy through hot water." With over 16,000,000 units serving people's hot water needs worldwide, our goal is to provide sustainable customer focused solutions for hot water.

R RELIABLE

Noritz Commercial Tankless Water Heaters are modular and can be linked to create redundancy. Even when one unit needs service or is not in operation, hot water will be delivered seamlessly by other units in the system. Noritz Redundancy in commercial applications provides a reliable, uninterrupted source of hot water which translates to piece of mind for our customers & their bottom line.

U UNMATCHED

Noritz Commercial Tankless Water Heaters are the only TRUE commercial grade tankless water heaters on the market and we continue to lead the industry in terms of innovation, quality, and performance. In addition, Noritz Intelligent Modular Water Heating Technology can link up to 24 units in a single system providing unmatched performance and reliability.
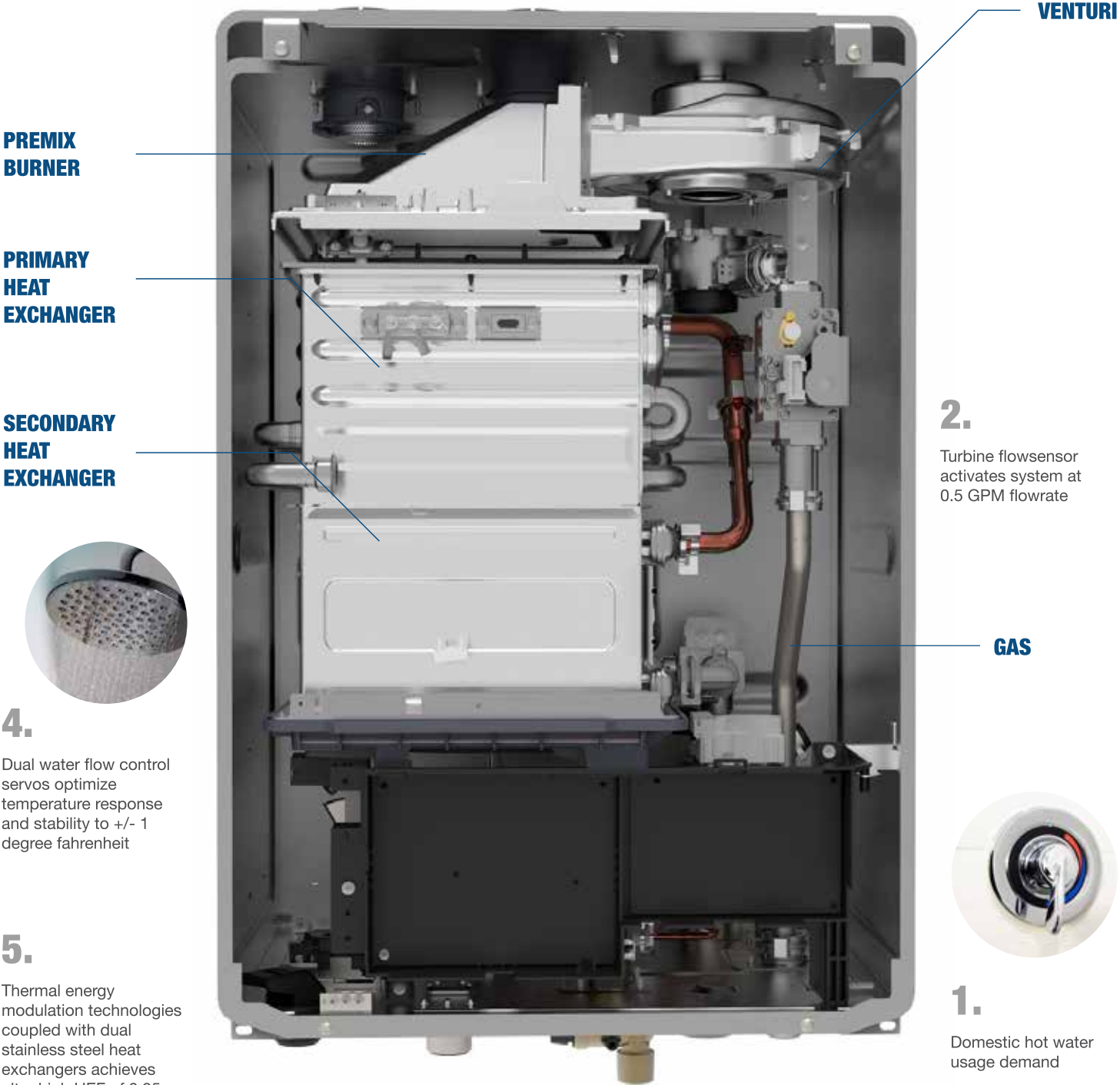
E EFFICIENT

For the rest of the pack, efficiency is a mere watermark to aim for. For Noritz, efficiency is our name. From an ultra efficient 0.95 UEF to the lean JPS just in time manufacturing process we utilize to manufacture our product.

TANKLESS TECHNOLOGY

Knowing how a tankless water heater works can be a deciding factor when you want to make the switch. We've put together a list of steps to help you understand just how a tankless water heater works.

PREMIX BURNER

PRIMARY HEAT EXCHANGER

SECONDARY HEAT EXCHANGER

VENTURI

GAS

3.

Down fired pre-mix burner with variable speed power fan & negative pressure regulating gas valve modulates air/gas input. Electronic ignition initializes combustion

2.

Turbine flowsensor activates system at 0.5 GPM flowrate

4.

Dual water flow control servos optimize temperature response and stability to +/- 1 degree fahrenheit

5.

Thermal energy modulation technologies coupled with dual stainless steel heat exchangers achieves ultra high UEF of 0.95.

1.

Domestic hot water usage demand

FEATURES & BENEFITS

With a myriad of features, it's easy to see why the Noritz Commercial Line of Tankless is the preferred choice for businesses who are looking to upgrade their hot water delivery systems.

SCALABILITY

Noritz's line of commercial water heaters can meet any demand you throw at them. Need to add more units to meet unanticipated demand? No problem. With the Noritz commercial system you can scale your system with ease to make sure your needs are met.

EFFICIENCY

With our intelligent modulation and load tracking we make sure that none of the heaters in your array are overworked. With equalization of the load, your heaters will take turns to increase lifespan and uptime.

REDUNDANCY

With the commercial redundancy functionality you never have to worry about never having hot water. Our heaters intelligently provide back up in the rare case of an issue or maintenance is required on another unit. Our system works seamlessly to pick up the slack so you don't go without hot water.
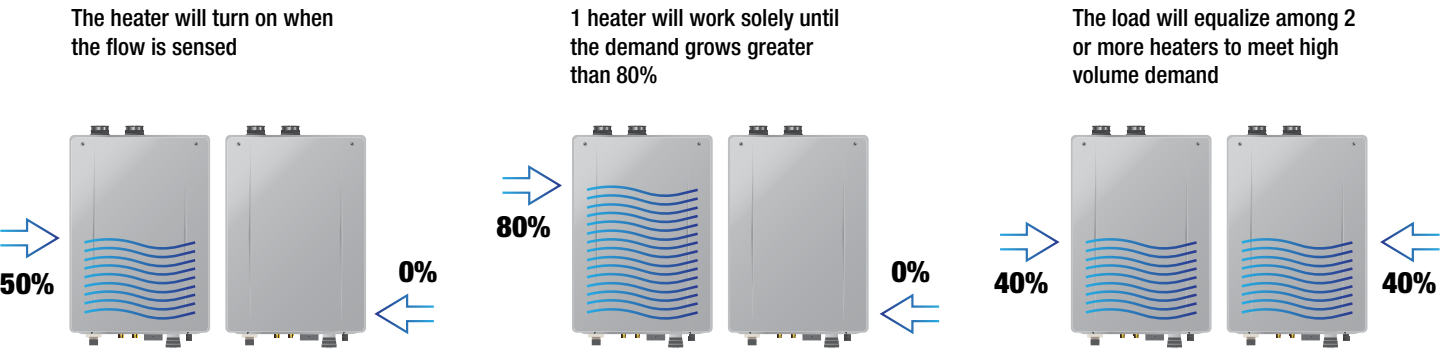
VERSATILITY

Our small footprint and variety of installation methods makes Noritz the clear choice in versatility. Tricky installation site or complicated plumbing? No problem.

NORITZ INTELLIGENT SYSTEM

In a multi-system setup, the Noritz commercial units will communicate and work in unison to even out the load on each individual unit, maximizing output and system life. With the ability to modulate between multiple units with the use of a system controller makes Noritz commercial water heaters the most efficient water heating system on the market today.

The heater will turn on when the flow is sensed

50%   0%

1 heater will work solely until the demand grows greater than 80%

80%   0%

The load will equalize among 2 or more heaters to meet high volume demand

40%   40%

TANKLESS ADVANTAGE

See how a Noritz Commercial Tankless stacks up against standard tanks and boilers.

BOILER VS TANKLESS

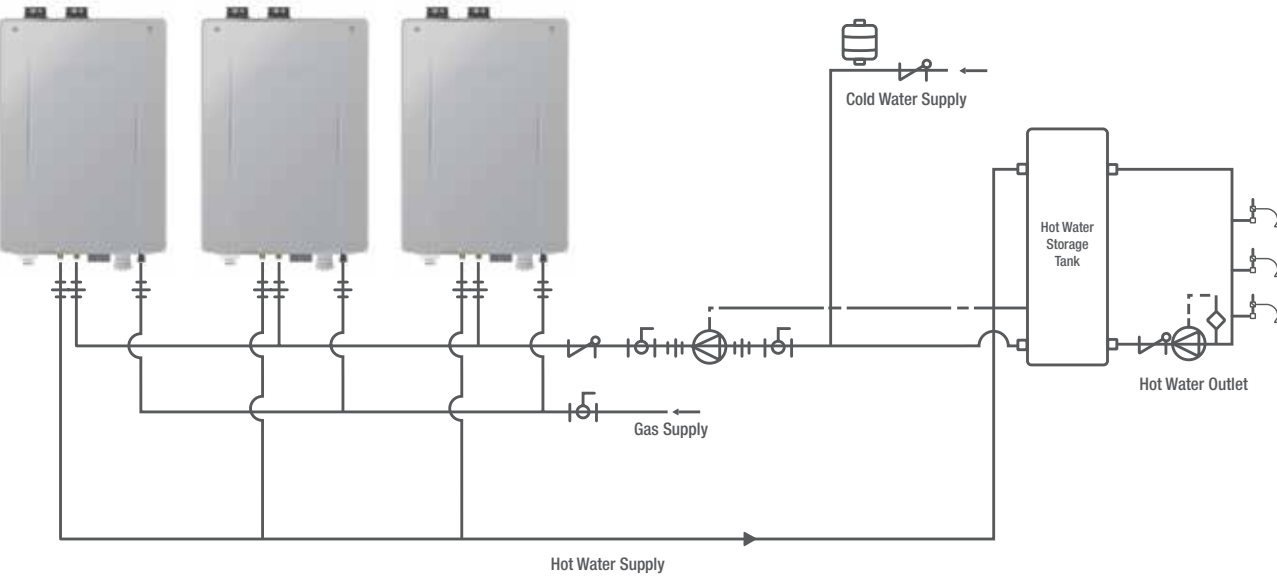| Concern	Noritz Tankless System	Boiler with Storage Systems
Heat Loss	✓ Zero standby heat loss.	Foam insulation on boiler room components.
Installation Footprint	✓ Indoor or outdoor installation and can be installed on walls or racks.	Indoor installation only taking up a large footprint for the boiler plus storage.
Cycling	✓ Multi-system offers load tracking, cycling any number of heaters based on demand. With high turndown ratios, tankless enables gas savings.	Low turndown ratio has overheating and cycling issues that wastes energy.
Redundancy	✓ Multi-system offers redundancy and simplifies service and maintenance with no down time. Single units can be isolated for service while others continue hot water production.	Single hot water boiler with storage tank. Failure in either component will compromise hot water supply.

TANK VS TANKLESS

Feature	Noritz Tankless System CR60-WH-2 (2 Unit System)	Commercial Tank
Capacity	✓ Continuous Flow	Limited to tank storage
Weight	✓ 70 lbs. per unit	~500 lbs.
Redundancy	✓ Continuous operation after failure	No reserve; Failure results in total hot water loss until replaced.
BTUs	✓ Up to 399,800	199,000

DIAGRAMS

MULTI-SYSTEM RECIRCULATION DIAGRAM

Cold Water Supply

Gas Supply

Hot Water Outlet

Hot Water Supply
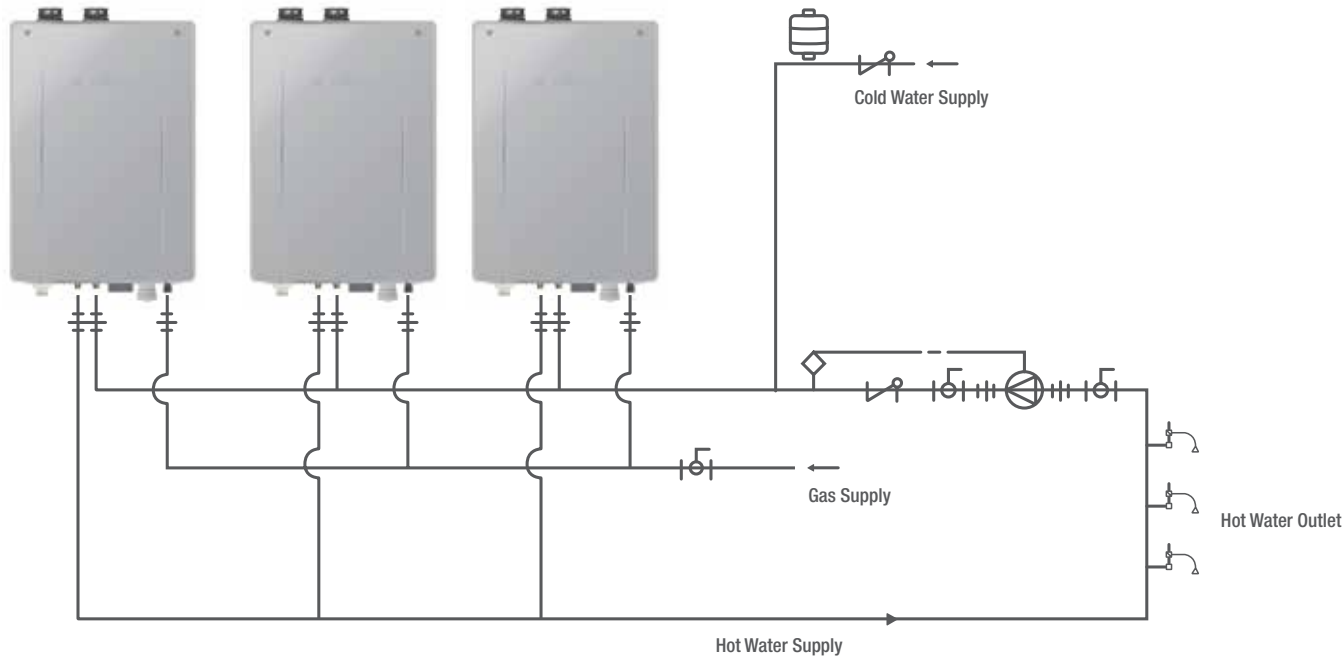
MULTI-SYSTEM WITH STORAGE TANK DIAGRAM

Cold Water Supply

Hot Water Storage Tank

Gas Supply

Hot Water Outlet

Hot Water Supply

FEATURE

UPGRADED HEAT EXCHANGER

The right materials for the right situation. The NCC199CDV heat exchanger has been re-engineered with a new blend of stainless steel to maximize performance and reliability. These parts and materials have been specifically selected for their high temperature performance and maximum corrosion resistance, constructed as a single-body unit.

Along with a 0.95 UEF, the Noritz NCC199CDV Commercial Tankless is built ready to provide your business with years of hot water delivery.

FEATURES

10 YEAR HEAT EXCHANGER WARRANTY

The Noritz NCC199CDV is backed with a 10 year heat exchanger warranty. Visit **WWW.NORITZ.COM/ CDVWARRANTY** for more details.

2" VENT CONNECTIONS

Offers flexible venting options for vertical or horizontal termination with PVC, CPVC, or PP venting, as well as outdoor installations with OD vent cap. Ability to vent up to 65' with 2" and 150' with 3" materials.

PRE-MIX BURNER

Combined with a unique negative pressure Venturi gas valve, the NCC199CDV is Energy Star certified & features an ultra-efficient 0.95 UEF.

NEW COMMON VENT CAPABILITY

Provides scalability of up to 6 heaters on a single venting system without the need for an external non-return valve.

DUAL HIGH GRADE STAINLESS STEEL HEAT EXCHANGERS

The right materials for the right situation. The NCC199CDV utilizes 2 types of stainless steel: High temperature for the primary and corrosion resistant for the secondary.

ULTRA LOW NOX

Produces only 14 ppm. 33% less emissions than the SCAQMD limitations of 20ppm NOx.

NEXT GEN TRUE COMMERCIAL TANKLESS

The new NCC199CDV provides industry leading performance for any commercial water heating application. An impressive 10-year heat exchanger warranty comes included, providing businesses with years of hot water without the worry.

TECHNICAL SPECIFICATIONS – NCC199CDV		
Min. / Max. BTU		18K - 199,900 BTUh
Capacity Range		0.5 - 11.1 GPM (30ºF Rise)
Weight		70 lbs.
UEF		0.95
Connection Sizes	Water Inlet	NPT 3/4"
	Hot Water Outlet	NPT 3/4"
	Gas Inlet	NPT 3/4"
	Condensate Drain	NPT 1/2"
Water Holding Capacity		0.82 Gallon (3.1 L)
Temperature Settings	ºF Mode	100-150º (In 5º F Intervals) 160º F, 170º F, 185º F (14 Options)
	ºC Mode	37-48º C (In 1ºC intervals), 50-85ºC (In 5º intervals) (20 options)
Operating Pressure		15-150 psi (Recommended 50 to 80 psi for maximum performance)
Included Accessories		Remote controller, remote controller cord, anchoring screws, wall mounting bracket

NCC199CDV

COMMON VENT OFFERING
TRUE INSTALLATION FLEXIBILITY

With Noritz Common Venting, up to 6 Noritz Water Heaters are able to share the same venting system. This means significantly reduced penetrations through the wall or roof -- resulting in less labor and a cleaner finished look. The use of a larger vent diameter system allows for longer vent runs for larger and taller buildings – up to 200 ft. of equivalent vent length. The system is independently tested and approved for use by CSA in both the US and Canada. With the new built-in exhaust non-return valve, scalability of up to 6 heaters is possible now without an external non-return valve.


OFFERS A CLEAN, LABOR SAVING INSTALL WHILE ENSURING THE UTMOST IN SAFETY AND PERFORMANCE

- Tested with safety in mind – each water heater uses a built-in non-return valve to prevent flue gas from entering idle units.
- Reduces wall or ceiling penetrations.
- Utilizes either ULCS-636 approved Polypropylene (PP) venting (capable of handling temperatures up to 230°F) or Schedule 40/80 PVC
- Easy installations with flexibility to vent in a variety of ways.

FEATURE
## ULTIMATE FLEXIBILITY FOR VENT CONFIGURATION

Figuring out where to safely and efficiently route the exhaust system is one of the biggest hurdles for any HVAC system designer. Noritz Common Venting offers designers the most flexibility to decide how to safely and efficiently route the vent. For room air installations, the combustion air can be drawn from the room environment, further reducing the installation complexity, by requiring only a single penetration for the exhaust.
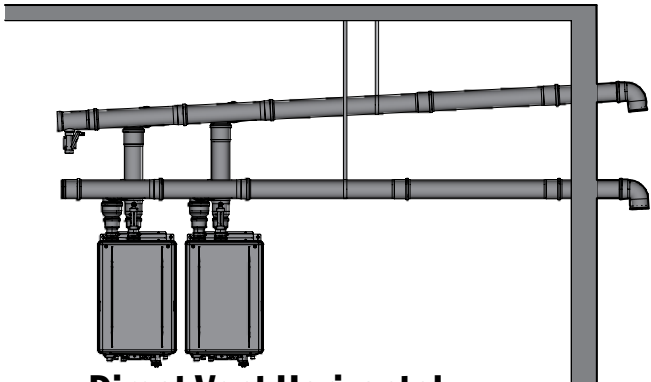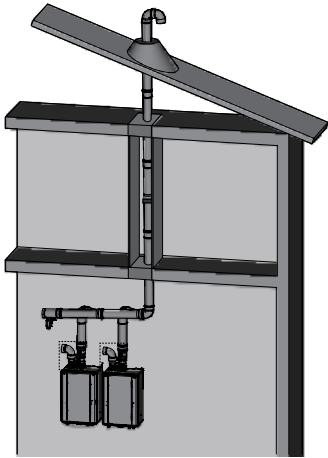

Split Exhaust

Direct Vent Horizontal
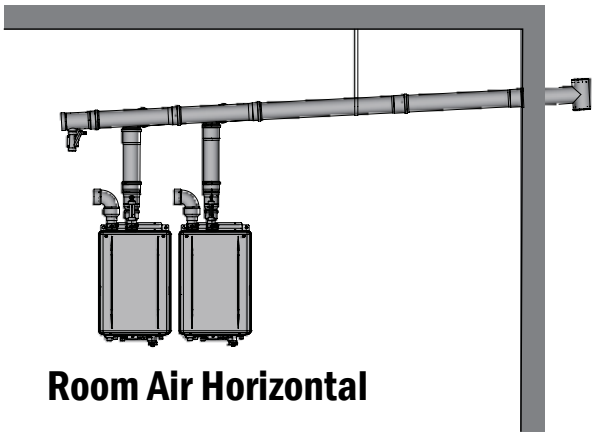
Room Air Vertical

Room Air Horizontal
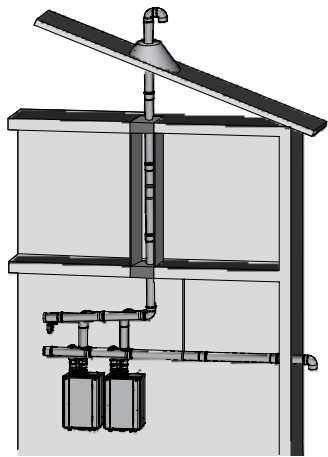
Direct Vent Vertical
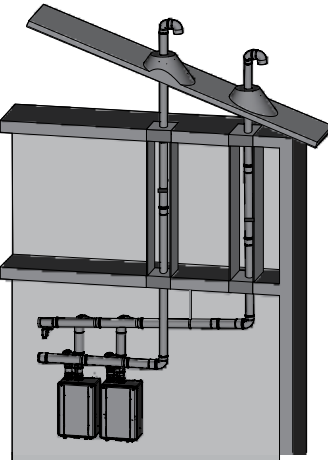
NORITZ®
TANKLESS WATER HEATERS

CASE STUDIES

The Noritz Commercial line is the most precise and efficient method of heating water for any commercial project. Built to endure what any business application throws at them, it's easy to see why many businesses prefer the Noritz Commercial line for their applications.

SOLUTION

Wedgworth's chose to install 15 Noritz NC380 tankless units in Clewiston in 2017. Fifteen months later, the company combined seven of those units with 10 Noritz NCC300 tankless water heaters to create a 17-unit system at Lake Placid to achieve greater energy efficiency and the consequent fuel savings, while benefiting from the maintenance advantages that unit redundancy delivers.

OUTCOME

The tankless water heating systems at Clewiston and Lake Placid have consistently met the hot-water needs of both facilities in an energy-efficient, environmentally responsible manner with minimal maintenance. Bruce anticipates maintenance costs "down the road," he says. "But I could easily replace 10, maybe more, of those tankless units annually, and still finish below my former expenses for boiler service. Add the required monthly and yearly boiler inspection fees, and the savings with tankless are tremendous."

PROJECT PROFILE
WEDGEWORTH'S INC.
FERTILIZER PLANT

Tired of running short of hot water to meet its daily 35,000-gallon need at two of its facilities, Wedgworth's, Inc. finds tankless a reliable, affordable and cost-saving alternative.

Units:
NC380 and NCC300 tankless water heaters

Number of Units:
17

Location:
Clewiston and Lake Placid, FL

CHALLENGE

To meet the needs of an industrial fertilizer manufacturer whose operations in Clewiston and Lake Placid, Florida, require approximately 35,000 gallons of hot water daily. The objectives were to (1) meet this high demand on a consistent basis, even when servicing is required, while also (2) maximizing fuel savings and (3) environmental stewardship.

OAHU COMMUNITY CORRECTIONAL CENTER

After replacing aging boilers with multiple Noritz tankless water heaters, administrators at Hawaii's Oahu Community Correctional Center were able to safeguard reliable hot water supplies for its 1,200 inmates.

CHALLENGE

Replace two failing 23-year-old 1,000,000 BTU boilers with a multi-tankless commercial heater system at Hawaii's Oahu Community Correctional Center to safeguard reliable hot water supplies for its 1,200 inmates.

Units:
NCC199CDV Tankless Water Heater

Number of Units:
18

Location:
Oahu, Honolulu

SOLUTION

Installed eighteen NCC199CDV gas-fired commercial condensing tankless heaters to improve the resiliency and reliability of the correctional facility's hot water supply system.

OUTCOME

Besides providing an uninterrupted flow of hot water, the multiple-tankless option offers the ability to service any of the eighteen units without shutting down the entire system. Furthermore, load balancing ensures that operation is equalized across all units, so one doesn't suffer undue wear and tear. "Using tankless heaters for this project was two or three times less expensive and about 100 times easier than adding a new replacement boiler and storage tank," says Mason Hasegawa, with Honolulu-based Mason's Plumbing Service, who estimates he installs tankless heaters twice as frequently as conventional storage tank-type heaters.

PROJECT: Oahu Community Correctional Center	EXISTING: 23-year-old 1,000,000 BTU boilers and two storage tanks	NEW: 18 NCC199CDV gas-fired commercial condensing tankless heaters	% Change
BTU Input	2M	3.6M	+80%
Storage	1,000 gal.	N/A	
Uniform Energy Factor	.62	.96	+34%
GPM Recovery	35.4	100.7	+184%
Total BTUh Recovery	2.48M	3.59M	45%
Operational Redundancy	2x	15x	+13x
Turn Down Ratio	4:1	198:1	
Installation	Aerial Crane	Skid-mounted / Hand dolly	

TRUE INDUSTRY SOLUTIONS

OUR PROVEN TRACK RECORD

4TH STREET MARKET
SANTA ANA, CA

Model: NC199 Series
Quantity: 22
Indoor / Outdoor: Outdoor
Max BTUH Input: 4,397,800
Thermal Efficiency: 86%
GPM: 101 GPM @ 75 Degree Rise

PF CHANG'S
NATIONWIDE

Model: NC380
Quantity: 4
Indoor / Outdoor: Indoor & Outdoor
Max BTUH Input: 1,520,000
Thermal Efficiency: 80%
GPM: 32 GPM @ 75 Degree Rise

Replaced: Storage tank water heater.
100 gallon / 199,000 BTUH
Motivating Factor: Space Savings,
Redundancy, Warranty

QDOBA
NATIONWIDE

Model: NCC199 Series
Quantity: 2
Indoor / Outdoor: Indoor & Outdoor
Max BTUH Input: 1,199,400
Thermal Efficiency: 94%
GPM: 30 GPM @ 75 Degree Rise

Replaced: Storage tank water heater.
100 gallon / 199,000 BTUH
Motivating Factor: Space Savings,
Redundancy, Warranty

FAIRFIELD INN
ROCKLEDGE, FLORIDA

Model: NCC199 Series
Quantity: 5
Indoor / Outdoor: Indoor
Max BTUH Input: 999,500
Thermal Efficiency: 94%
GPM: 31 GPM @ 60 Degree Rise

Replaced: Storage tank water heater. 2 x 100 gallon.
Motivating Factor: Space Savings, Redundancy, High Efficiency

INN AT SUNSET CLIFFS
CARLSBAD, CALIFORNIA

Model: NCC199 Series
Quantity: 5
Indoor / Outdoor: Indoor
Max BTUH Input: 999,500
Thermal Efficiency: 94%
GPM: 31 GPM @ 60 Degree Rise

Replaced: Storage tank water heater. 2 x 100 gallon.
Motivating Factor: Space Savings, Redundancy, High Efficiency

LAUNDRY

SPEED QUEENS LAUNDROMAT
GEORGIA AND TEXAS

Model: NCC199 Series
Quantity: 8
Indoor / Outdoor: Indoor
Max BTUH Input: 1,599,200
Thermal Efficiency: 94%
GPM: 43 GPM @ 70 Degree Rise
Motivating Factor: Space Savings, Energy Savings, Equipment Savings vs. 4 x BTH199 Cyclone Tanks

CAMPUSES

UNIVERSITY OF SOUTHERN FLORIDA DORMS
SOUTH TAMPA, FLORIDA

Model: NCC199 Pre-Built Rack
Quantity: 6
Indoor / Outdoor: Indoor
Max BTUH Input: 1,199,400
Thermal Efficiency: 94%
GPM: 45 GPM @ 50 Degree Rise
Replaced: Storage tank water heater, AO Smith Cyclones, 3 x 100 Gallon
Motivating Factor: Lower Equipment Cost, Modulation, Better Warranty

OAKLEY HEADQUARTERS
LAKE FOREST, CA

Model: NC380
Quantity: 30
Indoor / Outdoor: Outdoor
Max BTUH Input: 11,400,000
Thermal Efficiency: 80%
GPM: 330 GPM @ 65 Degree Rise

Replaced: Large Storage Tank and Boiler
Motivating Factor: High Efficiency, Redundancy, Space Savings

VA HOSPITAL
SALT LAKE CITY, UTAH

Model: NCC199CDV
Quantity: 4
Indoor / Outdoor: Indoor
Max BTUH Input: 799,600
Thermal Efficiency: 98%
GPM: 20 GPM @ 75 Degree Rise

Replaced: 2 x 100 Gallon Storage Tanks
Motivating Factor: High Efficiency, Redundancy, Space Savings

MONDAY NIGHT BREWING
ATLANTA, GEORGIA

Model: NCC199 PreBuilt Floor Mount Rack
Quantity: 5
Indoor / Outdoor: Indoor
Max BTUH Input: 999,500
Thermal Efficiency: 94%
GPM: 15.7 GPM @ 120 Degree Rise

Replaced: 5 Total Units (CWHS408)
Motivating Factor: Equipment Cost Savings, Redundancy

TRUE COMMERCIAL TANKLESS

COMMERCIAL RACK SYSTEM (CR)

The Noritz CR Commercial Rack System (formerly CWHS) has been redesigned for maximum performance and ease of installation. The CR is a pre-fabricated racking system for use in flat rooftop or mechanical room applications for commercial multi-systems. A new low profile design and a variety of installation options make this new rack system ideal for business owners looking to replace outdated storage tanks.

*6 Unit
Free Standing*

FEATURES

NEW LOW PROFILE DESIGN
Redesigned with lower center of gravity for increased stability and easier transportation.

NEW WALL MOUNT OPTION
The redesigned wall mounted option allows for more space savings without sacrificing performance.

REDUCED INSTALL TIME
Pre-piped condensate manifold and condensate line along with pre-wiring required for multi-sytems reduces installation time.

EASY SCALABILITY
Standardized water and gas lines allow easy connection of multiple rack systems in-line.

SIMPLIFIED VENTING
Built-in non-return valve allows for common venting up to 6 units on a single manifold without the need for external accessories.

FEATURE

ULTRA DURABLE CONSTRUCTION

ALUMINUM FRAMES
Utliizing lightweight aluminum frames, our new CR system frame also features high corrosion resistance.

HARD PIPE MANIFOLDS
Featuring a hard pipe construction that increases reliability and is effective for leak prevention. This also allows for vibration resistance while shipping

DIMENSIONS

Item Number	Rack Type	UPC	Included Main Components		Cold / Hot Water & Gas Manifold				Rack Dimensions			Total Weight (lbs)
			GQ-C3260WZ-FF US	SC-401-6M	Cold	Hot	Conden-sate Drain Manifold	Gas Mani-folds	L	D	H	
CR60-WH-2-LP	2 Unit Wall Hanging, LP	860003319932	2	1	2"	2"	3/4"	2"	54 1/4"	17"	44"	259
CR60-WH-2-NG	2 Unit Wall Hanging, NG	860003319949										
CR60-WH-3-LP	3 Unit Wall Hanging, LP	860003319956	3	1	2"	2"	3/4"	2"	78"	17"	44"	386
CR60-WH-3-NG	3 Unit Wall Hanging, NG	860003319963										
CR60-FS-4-LP	4 Unit Free Standing, LP	860003319970	4	1	2"	2"	3/4"	2"	54 1/4"	30"	56 3/4"	444
CR60-FS-4-NG	4 Unit Free Standing, NG	860003319987										
CR60-FS-5-LP	5 Unit Free Standing, LP	850018743099	5	1	2"	2"	3/4"	2"	78"	30"	56 3/4"	560
CR60-FS-5-NG	5 Unit Free Standing, NG	850018743082										
CR60-FS-6-LP	6 Unit Free Standing, LP	817000013752	6	1	2"	2"	3/4"	2"	78"	30"	56 3/4"	641
CR60-FS-6-NG	6 Unit Free Standing, NG	860003319994										

HOT WATER SUPPLY CAPACITY

Item Number	Heater Quantity	Heater Configuration	Min BTU/hr Input	Max BTU Input	Hot Water Capacity (GPM)						
					50°	60°	70°	80°	90°	100°	110°
CR60-WH-2-LP	2	Wall Hanging In-Series	18,000	399,800	15.7	13.1	11.2	9.8	8.7	7.8	7.1
CR60-WH-2-NG											
CR60-WH-3-LP	3	Wall Hanging In-Series	18,000	599,700	23.5	19.6	16.8	14.7	13.1	11.8	10.7
CR60-WH-3-NG											
CR60-FS-4-LP	4	Free Standing 2x2 Back to Back	18,000	799,600	31.3	26.1	22.4	19.6	17.4	15.7	14.2
CR60-FS-4-NG											
CR60-FS-5-LP	5	Free Standing 3x2 Back to Back	18,000	999,500	39.2	32.7	28.0	24.5	21.8	19.6	17.8
CR60-FS-5-NG											
CR60-FS-6-LP	6	Free Standing 3x3 Back to Back	18,000	1,199,400	47.0	39.2	33.6	29.4	26.1	23.5	21.4
CR60-FS-6-NG											

ADDITIONAL OPTIONS AND ACCESSORIES

WH-3

WALL HANGING RACK
The new wall hanging rack allows installers to accomodate for existing conduit and piping without interference, reducing additional installation time. A new floor stand also comes included which allows for easy positioning while fixing to a wall.

CR60-CA

CR SYSTEM UPDATE
The updated Noritz CR Commercial Rack System brings new features designed to create a hassle free and easy installation. The CR system update comes with a redesigned gas header with built-in gas sediment traps and an additional shutoff valve, simplifying both installation and service.

CR60 WHEEL KIT

Noritz CR60 Wheel Kit is designed to simplify logistics of moving Noritz Commercial Racks from the crate to the mechanical room. Designed to last, the wheel kits are compatible to move all Noritz Commercial Rack configurations for years to come.

FEATURES

FASTER MOBILITY
Relocate your CR system with ease using the CR60 Wheel Kit's rubber casters for a fast and smooth transition.
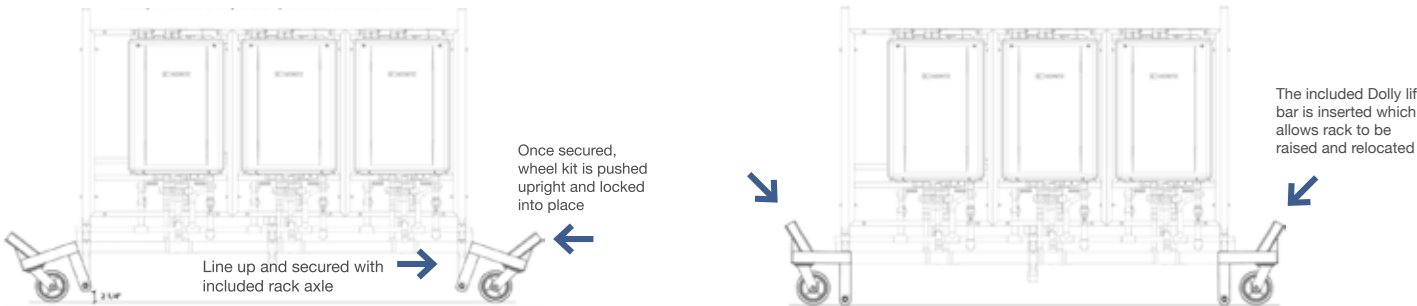
DESIGNED FOR THE NEW CR
The CR60 wheel kit is designed to work smoothly with all configurations of Noritz new Commercial Rack systems.

MOVE YOUR SYSTEM WITH EASE
Placed at the ends of your CR floor standing system, the CR60 Wheel Kit provides installers an easier way to pick up and move without the need for heavy lifting.

HOW IT WORKS

Once secured, wheel kit is pushed upright and locked into place

The included Dolly lift bar is inserted which allows rack to be raised and relocated

Line up and secured with included rack axle

BE IN CONTROL

NORITZ SYSTEM CONTROLLER

The Smartest Way To Control Your Heater Array In The Industry.

SC-401

SYSTEM CONTROLLER PRIMARY FUNCTIONS

Application Selection	Standard, Recirculation, or Storage Tank Recovery
Staging Control	Staging is determined on application setting. In the case of storage tank recovery, all heaters operate at the same time to provide the fastest recovery rate.
Firing Rotation	Sequential rotation every 24 hours or 8 hours combustion time so no single heater is overrun. Wear is evenly distributed across all heaters.

ADDITIONAL SYSTEM CONTROLLER OPTIONS

Pump	Control relays for up to two pumps with simultaneous or alternating operation.
Operation And Warning Lights	Relay points to create additional alerts of operation and error conditions.
Aquastat And Timer	Utilize the internal aquastat controls and timer functions when a recirculation pump is controlled by the system controller.
Exhaust Fan	Connect a fan or damper relay to provide mechanical combustion air supply or operate an exhaust damper in cold climates whenever heater(s) operate.
Thermostat For Storage Tank Control	Connect the storage tank thermostat to alert the pump relay to activate because of low temperature in the storage tank.
External Operation Switch	Enable an external switch to power down the system other than from the primary remote.
Wifi Capable	Provides visibility of heater status when paired with our new Commercial Wifi Adapter (NWCC-ADAPTER).

COMMERCIAL MODELS

COMMERCIAL MODELS

Model	Condensing			Non-Condensing		
	NCC300OD	NCC300DV	NCC199CDV	NC380SV	NC199DVC	NC199OD
GQ Reference Number	GQ-C5032WZ US	GQ-C5032WZ-FF US	GQ-C3260WZ-FF US	N/A	GQ-2857WZ-FFA US	GQ-2857WZ US
SV Conversion	N/A	Yes	Yes	No	N/A	N/A
Vent Type	OD	DV	DV / OD	SV	DVC	OD
Dimensions (Inches)	32.7 x 18.9 x 14.2	32.7 x 18.9 x 14.2	27.0 x 18.5 x 14.1	29.7 x 19.1 x 11.8	23.6 x 13.8 x 11.0	23.6 x 13.8 x 9.4
Weight (lbs)	108 lbs.		70 lbs.	106 lbs.	58 lbs.	54 lbs.
Min./Max. Btuh	15,000 - 300,000		18,000 - 199,900	22,500 - 380,000	16,000 - 199,900	16,000 - 199,900
Thermal Eficiency / UEF	97%		0.95 UEF	NG: 80% LP: 81%	0.82 UEF	0.82 UEF
Max. Hot Water Capacity	35°F Rise: 13.2 GPM		35°F Rise: 11.1 GPM	35°F Rise: 13.2 GPM	35°F Rise: 9.8 GPM	35°F Rise: 9.8 GPM
Water Inlet	1"		3/4"	1"	3/4"	3/4"
Hot Water Outlet	1"		3/4"	1"	3/4"	3/4"
Gas Inlet (1/2 in. capable)	3/4"		3/4"	3/4"	3/4"	3/4"
Temp. Settings	100-150°F (In 5°F Intervals), 160, 170, 185° F			100-150°F (In 5°F Intervals), 160, 170, 180°F	100-150°F (In 5° F Intervals), 160, 170, 185° F	
Default Temp. Option	N/A			120, 130, 140, 180°F	120, 130, 140, 185°F	
Warranty	5 year warranty on heat exchanger, 5 year warranty on parts & 1 year reasonable labor*		10 YEAR WARRANTY ON HEAT EXCHANGER, 5 year warranty on parts & 1 year reasonable labor*	5 year warranty on heat exchanger, 5 year warranty on parts & 1 year reasonable labor*		
Ultra Low NOx	Yes			No	Yes	
Quick Connect	Yes					
Remote Included	Yes					
Min/Max Flowrate	0.5 GPM / 13.2 GPM		0.5 GPM / 11.1 GPM	0.7 GPM / 13.2 GPM	0.5 GPM / 9.8 GPM	
High Altitude Approved	Up to 4,500 ft.		Up to 10,000 ft.	Up to 8,000 ft.		
Wireless Compatible	Yes					
Common Vent Capable	No		Up to 6 Units	No		
Commercial Energy Star	Yes			No		
PVC	No		Yes	No		
ASME	No			Yes		No

DO MORE WITH YOUR TANKLESS

Utilize your Noritz Commercial Tankless to its fullest potential along with keeping your unit in top shape with our wide selection of accessories.

WATER TREATMENT

Commercial H2Flow Water Treatment (CH2F-XXX)

Anti-scale system for multiple heater installation up to 75 grains.

Scale Shield Water Treatment (SS-HB-3)

The SS-HB-3 scale shield kit removes sediment and reduces scale formation. It also reduces corrosion caused by chlorides, silica, and dissolved iron.

Condensate Neutralizer Kit (NT20A)

Neutralize acidic condensate before it is dumped into common drains. Intended use: up to 3,000,000 BTU/hr or 5 GPH.

UNIT CONTROL

COMMERCIAL WIFI ADAPTER

The Noritz NWCC Commercial WIFI Adapter allows business owners and contractors to take full control of their tankless system.

SYSTEM CONTROLLER (SC-XX)

Available system controller models can provide a central communication link for up to 6, 12, or 24 unit multi-systems.

COMMERCIAL REMOTE CONTROLLER

- Temperature adjustment from 100-185° (°C or °F)
- Recirculation Control Feature
- Time Stamps Error Codes

INSTALLATION ACCESSORIES

QUICK CONNECT CORD (QC)

Provide simple staging and modulation for 2 units in small applications

REMOTE CONTROLLER CORD (RC-CORD)

Additional cord lengths up to 26 feet available.

ISOLATOR VALVE KIT (IK-WV)

Isolation Valve Kit with PRV to easily isolate heater from plumbing.

COMMERCIAL RACK SYSTEM (MR-2)

Prefabricated racks can support up to 2 units back to back.

MULTISYSTEM CONTROL

Superior commercial unit linking made easy

Units Used	2	6	12	24
Accessory	QC-2	SC-401-6M	SCU-401-12M	SCU-401-24M

REAL TIME DATA FOR COMMERCIAL INSTALLATIONS

COMMERCIAL WIFI ADAPTER

The new Noritz NWCC Commercial Adapter allows business owners and contractors to take full control of their tankless system. Available on both iOS and Android, the NWCC adapter connects with our Noritz Connect app to give users monitoring, troubleshooting, and more.

COMMERCIAL NWCC-ADAPTER
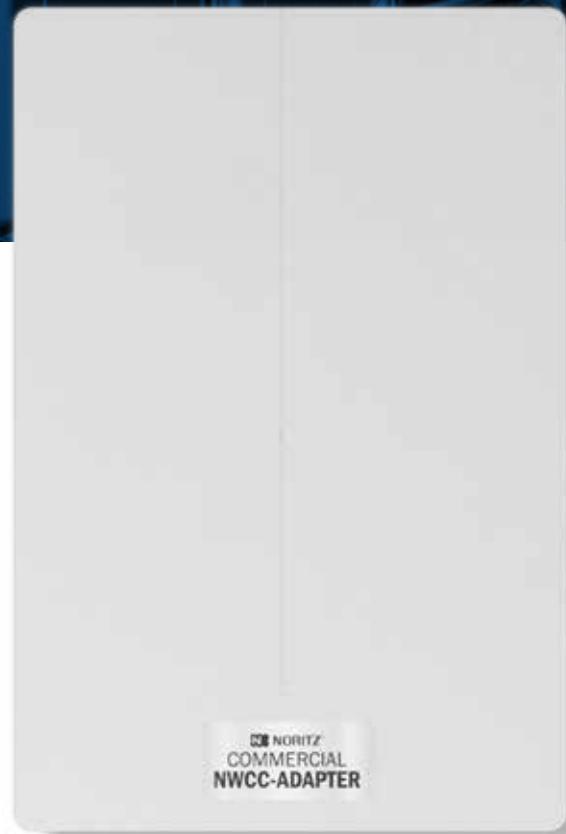
FEATURES & BENEFITS

› **SERVICE ALARMS**

React Proactively. Prevent critical errors with warning alarms for necessary service.

› **MULTI-SITE MONITORING**

Simultaneous system monitoring. Up to 6 per adapter through our dedicated dashboard.

› **SITE-SPECIFIC NOTIFICATIONS**

Notifications for any installation. Set your parameters and cater your alerts to your business.

› **ALERTS DIRECTLY TO YOU**

Email and text message alerts. Get notifications across desktop and mobile.

Newly Updated

SUPPORT SITE & PARTS ORDERING

GET CERTIFIED PARTS FOR ANY NORITZ REPAIR. PERIOD.

Our newly redesigned support page is your go-to source for all technical specs and support documents for all Noritz tankless water heaters.

One of the biggest updates we're excited to share is the addition of parts ordering online! Find all the parts you need, available 24/7 to order. Stock your truck with all those necessary parts today!

Visit SUPPORT.NORITZ.COM

FEATURES

NEW Parts Ordering Online

Get the parts you need 24/7. Our new parts ordering feature saves time and minimizes waiting when you need it most. Keep your parts stocked and ready for any scenario.

Technical Literature

Our technical literature page offers owners a vast library of documents for each heater including spec sheets, owner's guides, install manuals, parts lists, and certification documents.

Part Search Tool

Allows you to search for parts easily. Access a complete overview of technical spec info, installation, accessories, approvals, & warranty.

Warranty Calculator

This calculator is designed to approximate the length of your warranty terms. Now more precise when you add an installation date or maintenance monitor data.

Premium ProCard subscription provided by Service Whale®

PROCARD+

Noritz is excited to introduce ProCard+! Available as an upgrade to our existing ProCard, this new subscription-based program brings you even more qualified leads as well as tools to expand your business with Noritz, the industry's most trusted line of tankless water heaters.

Get More Leads

With ProCard+, installers receive even more qualified leads, thanks to our new and improved lead retrieval system.

Custom Prequalifying Questions

Gain quick access to customer information with customizable questionnaires and photo submissions.

Business Profile +

ProCard+ users enjoy access to our Business Profile Plus, a customizable profile page with additional pictures, reviews and business information.

Rise to the Top

Our ProCard+ users automatically place higher in our 'Find an Installer' page, giving your business more leads in your area.

To register or to get more information about our ProCard+ program, email us at **ProPlus@Noritz.com**

NOTES

THE NORITZ NCC199CDV

COMMERCIAL QUALITY YOU CAN TRUST

Offering industry leading performance and a 10 year heat exchanger warranty to tackle any commercial water heating application, keeping your business with hot water for years to come.

For more information, visit **NORITZ.COM/CDVWARRANTY**

COMMERCIAL CONSULTATION

Have a question on specs, sizing, or how you can build Noritz into your next project? Talk to our commercial experts directly.

COMMERCIAL@NORITZ.COM

TECHNICAL SUPPORT

Noritz America provides two customer-service initiatives:

- A Technical Support Website
- 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.

To speak to one of our Tech Support Professionals:

866-766-7489 (PRESS 1)

Or visit our Technical Support Site at:

SUPPORT.NORITZ.COM

NORITZ
TANKLESS WATER HEATERS
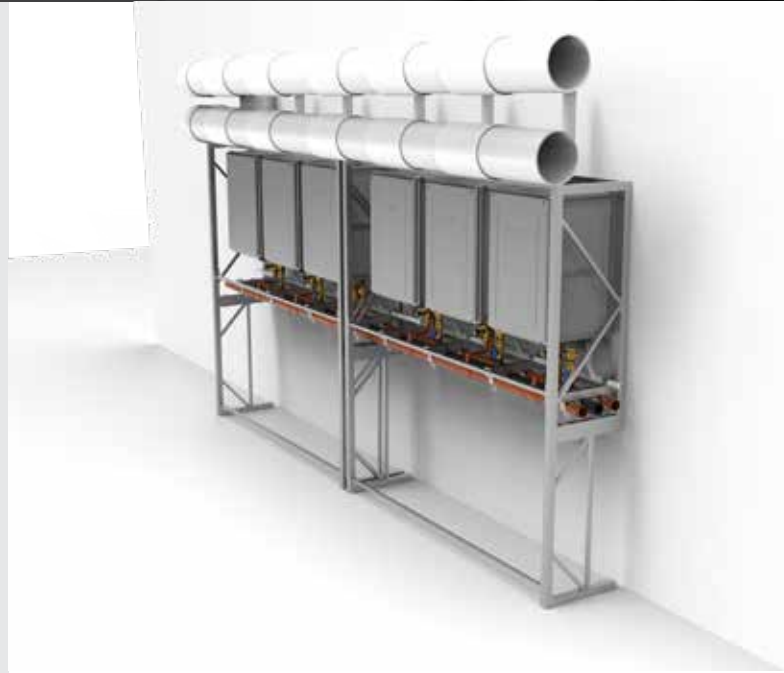
11160 Grace Avenue
Fountain Valley, CA 92708

Phone:
1-866-766-7489

Tech Support Hours:
Monday - Friday
5am - 6pm PST
Sat-Sun
7am - 4pm PST

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@NORITZAMERICA

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