



# THE RINNAI TANKLESS RACK SYSTEM

## THE COMPLETE INSTALLATION SOLUTION FOR MULTIPLE UNITS

### RINNAI ULTRA SERIES CONDENSING TANKLESS WATER HEATERS

#### Simplified Installation for Banked Tankless Units.

The new Rinnai Tankless Rack System (TRS) offers commercial contractors a complete, reliable solution for multi-unit tankless installation. Designed and tested by Rinnai, the TRS can be ordered, built, and shipped fully-assembled to any location in the United States and Canada, including the job site.

Installers save valuable installation time and avoid the costly, complicated process of building racks on site. Plus, the Rinnai-engineered system delivers the peace of mind of knowing every part of the tankless system is designed and built to work together seamlessly.

#### Flexible Installation, Indoors or Out.

With a Rinnai TRS, installations can be wall-mounted or free-standing, to suit the application. Indoor installations can be configured with either individual, concentric venting or common venting. Exterior installations require no venting.

The fully assembled TRS is designed to fit through a standard 32-inch doorway, even with water heaters attached, for ease of movement and installation on the job site.

#### Available Common Venting Reduces Roof, Wall Penetrations.

For even greater convenience and ease of installation, the TRS can be ordered with Rinnai's Common Venting System, which consists of the CVent exhaust venting and PVC intake venting. Up to eight tankless units share the same CVent system, allowing longer vent runs and requiring a maximum of two terminations as compared to conventional venting.

Rinnai's Common Venting System supports vent runs of up to 100 feet for seven or fewer units. Eight units on a single system can be connected with up to 41 feet in vent length.

#### Engineered for Durability and Ease of Use.

The Rinnai TRS features design details that make installation straightforward. Gas and water manifolds are properly sized, and electronic controls for multiple units are included.

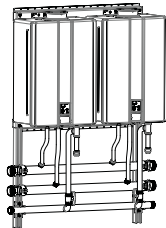
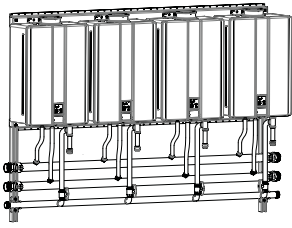
The racks are constructed of powder-coated aluminum, to stand up to the most demanding commercial environments, while minimizing weight. And the entire system has been designed by Rinnai to ensure maximum safety and reliability.



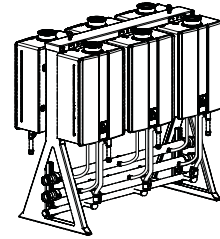
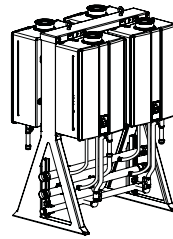
#### Benefits at a Glance

- Reduced cost compared to on-site rack assemblies
- Pre-assembled and shipped to any location for immediate installation and less chance of installation/connection errors
- Peace of mind with a Rinnai-engineered system
- Multiple options: wall-mount or free-standing; indoor with venting or outdoor
- Available with 2-6 RU98 condensing units; can be further combined for larger installations
- Available with individual, concentric venting or Common Venting System, for fewer penetrations
- Schedule 40 PVC used for intake venting
- Racks made of powder-coated aluminum for durability and weight savings
- Fits through standard doorway, even with tankless water heaters attached

# THE RINNAI TANKLESS RACK SYSTEM SAVE TIME AND MONEY



Wall-Mount Configurations



Free Standing Configurations

## Venting Options for the Tankless Rack System

Venting Options	Exhaust Vent Material	Intake Vent Material	Diameter (in)	Max. Units	Max. Vent Length (ft)
Common Venting System	PPTl (CVent) <sup>†</sup>	PVC	8	8	100 (with 7 units)
Concentric	PPs	PVC	5	1	41
Dual Pipe	PPs*	PPs* or PVC	3	1	39

\* This venting is provided by Centrotherm through their own distribution network

<sup>†</sup>PPTl material is not approved for use in Canada.  
Unassembled venting components are packaged with pre-assembled rack for field-assembly by installer.

## Tankless Rack System Specifications

Model	Type	No. of water heaters	Height (in)	Width (in)	Depth (in)	Weight w/o RU98 (lbs)	Weight w/ RU98 (lbs)	Frame Material	Water line diameter (in)	Gas manifold diameter (in)	Flow rate @ 70°F ΔT (gpm)	Flow rate @ 100°F ΔT (gpm)	Max input (BTU/h)
TRW02	Wall Mount	2	54.81	41.50	12-3/4	69	209	marine-grade AL	2	1	10.8	7.6	398,000
TRW03	Wall Mount	3	54.81	62.00	12-3/4	90	300	marine-grade AL	2	1-1/4	16.2	11.4	597,000
TRW04	Wall Mount	4	54.81	82.50	12-3/4	103	383	marine-grade AL	2	1-1/4	21.6	15.2	796,000
TRS02	Free Standing	2	55.56	41.50	28-1/2	80.1	211.5	marine-grade AL	2	1-1/4	10.8	7.6	398,000
TRS03	Free Standing	3	55.56	41.50	28-1/2	88.1	285.2	marine-grade AL	2	1-1/4	16.2	11.4	597,000
TRS04	Free Standing	4	55.56	41.50	28-1/2	96.1	358.9	marine-grade AL	2	1-1/4	21.6	15.2	796,000
TRS05	Free Standing	5	55.56	62.00	28-1/2	116.6	445.1	marine-grade AL	2-1/2	1-1/2	27.0	19.0	995,000
TRS06	Free Standing	6	55.56	62.00	28-1/2	153.1	518.8	marine-grade AL	2-1/2	1-1/2	32.4	22.8	1,194,000

NOTE: For specific model numbers, add i/e for external/internal water heaters and N or P for Natural Gas or LP. E.g., TRW02iN = 2-unit wall mount rack with internal NG RU98 units.

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

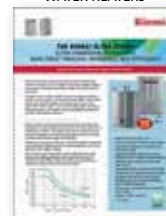
## FOR MORE INFORMATION ON RINNAI PRODUCTS

## ADDITIONAL RINNAI LITERATURE AVAILABLE

COMMERCIAL APPLICATIONS  
TANKLESS WATER HEATERS



ULTRA SERIES  
CONDENSING TANKLESS  
WATER HEATERS



RESIDENTIAL TANKLESS  
WATER HEATERS



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# Rinnai®





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