



# CMK and CRK Commercial Systems

Introducing the new **Noritz** Complete Commercial System Bundles



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## CMK and CRK Training Overview

- ✓ Features and Benefits
- ✓ CMK – CRK System Configurations
- ✓ Designing Your CMK or CRK System
- ✓ CMK Wall Mount Installation Overview



CMK-SS3 Shown, NCC199CDV Pro Units Sold Separately.

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## CMK and CRK Systems Features & Benefits

- ✓ Easy to Transport
- ✓ Sturdy Aluminum Frame
- ✓ Install in Less Than 2 Hours
- ✓ True Commercial Manifold
- ✓ Best Value in the Industry
- ✓ Retrofit Easy Button

CRK-BASE + CMK-BB4 Shown, NCC199CDV Pro Units Sold Separately.




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## CRK-BASE Features & Benefits

- ✓ Assembly uses only 12 Bolts vs 60 Bolts of Competitor Racks!
- ✓ Single CRK-BASE allows for 1-4 units, competitor requires Base + Extension to install more than 2 units.
- ✓ Lighter weight corrosion resistant Aluminum frame vs. Heavier Coated Steel frame of competitor.

CRK-BASE Shown expanded to allow up to 4 units in a back to back configuration.



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## CMK (Commercial Manifold Kit) System Configurations



### Side by Side



#### CMK-SS2

Wall Hanging Side by Side Commercial Manifold Kit featuring 2 NCC199CDV Tankless Water Heaters (sold separately)

**Max BTU/h: 399,800**



#### CMK-SS3

Wall Hanging Side by Side Commercial Manifold Kit featuring 3 NCC199CDV Tankless Water Heaters (sold separately)

**Max BTU/h: 599,700**



#### CMK-SS4

Wall Hanging Side by Side Commercial Manifold Kit featuring 4 NCC199CDV Tankless Water Heaters (sold separately)

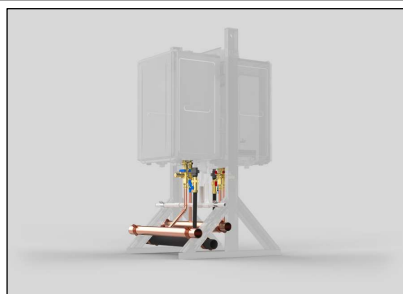
**Max BTU/h: 799,600**

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## CMK (Commercial Manifold Kit) System Configurations



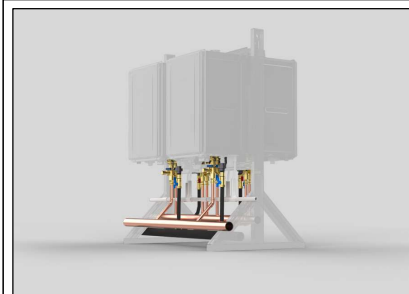
### Back to Back



#### CMK-BB2

Commercial Manifold Kit connecting 2 Back to Back NCC199CDV Tankless Water Heaters (sold separately) installed on CRK Base - Floor standing rack (sold separately)

**Max BTU/h: 399,800**



#### CMK-BB4

Commercial Manifold Kit connecting 4 Back to Back NCC199CDV Tankless Water Heaters (sold separately) installed on CRK Base - Floor standing rack (sold separately)

**Max BTU/h: 799,600**

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## CMK (Commercial Manifold Kit) System Configurations



### CRK-BASE

The CRK-BASE commercial rack kit allows for custom floor standing installations of 1 to 4 tankless units.



### CRK-ADDON

The CRK-ADDON commercial kit lets you expand your existing system to more than 4 units.

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## CMK (Commercial Manifold Kit) Design Your System



**Step 1**  
Select Desired  
Number of  
NCC199CDV  
Tankless Needed  
for System



Designed for Use With Our Award-Winning NCC199CDV Tankless

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## CMK (Commercial Manifold Kit) Design Your System



### Step 2 Choose Between Wall Hanging or Floor Standing System



**CMK-SS**  
Wall Hanging Bundle Kits

**CMK-SS2**  
**CMK-SS3**  
**CMK-SS4**



**CMK-BB**  
Floor Standing Bundle Kits

**CMK-BB2**  
**CMK-BB4**

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## CMK (Commercial Manifold Kit) Design Your System



### Step 3 Select Your CMK or CRK Configuration

**Wall  
Hanging  
Configurations**



**CMK-SS2**



**CMK-SS3**



**CMK-SS4**

**Floor  
Standing  
Configurations**



**CMK-BB2**



**CMK-BB4**

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## CMK (Commercial Manifold Kit) Design Your System



### Step 4 Choose the Floor-Standing Base (For CRK Only)

The CRK-BASE commercial rack kit allows for custom floor standing installations of 1 to 4 tankless units.



### Step 5 Select Optional Extension (For CRK Only)

The CRK-ADDON commercial kit lets you expand your existing system to more than 4 units.

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## CMK (Commercial Manifold Kit) Additional Notes



- ✓ One CRK-ADDON may be used per CRK-BASE. Attempting to use multiple CRK-ADDON may result in misaligned water and gas manifolds.
- ✓ Up to 24 NCC199CDV Pro heaters can be connected using multiples of the CRK-BASE and CRK-ADDON kits. Quick Connect Pro up to 6 units or use a 6, 12 or 24 unit system controller (sold separately) to ensure system balancing and load management.
- ✓ NCC199CDV Pro units may be common vented, refer to the common vent manual for full details.
- ✓ Manifold sizing is designed for a maximum of eight (8) water heaters. In order to connect units in greater number than eight, a common header of a larger diameter may be necessary. Refer to local plumbing and/or building code for minimum pipe sizing requirements.

	Min. Common Gas Header	Min. Common Water Header	Min. Common Condensate Header
Up to 8 units	2 in	2 in	0.75 in
>8 and ≤16	2.5 in	2.5 in	1 in
>16 and ≤24	3 in	3 in	1.25 in

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## CMK (3 Unit Wall Mount) Installation Overview

### In The Box



Scan to Watch  
Our CMK-SS  
Installation Video

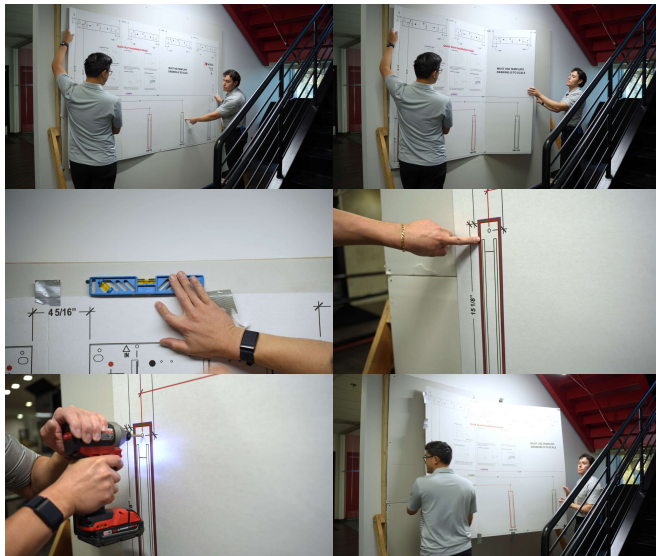
## CMK (Wall Mount) In The Box

- ✓ Cardboard Mounting Template
- ✓ 2" Hot Water Manifold
- ✓ 2" Cold Water Manifold
- ✓ 2" Gas Manifold
- ✓ 3/4" Condensate Drain Manifold
- ✓ 2x Manifold Wall Mount Brackets
- ✓ Clamps, Caps, Etc
- ✓ See Page 3 of Installation Manual for full details



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## CMK (3 Unit Wall Mount) Installation Overview



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Our CMK-SS  
Installation Video

## CMK (Wall Mount) Mounting Template

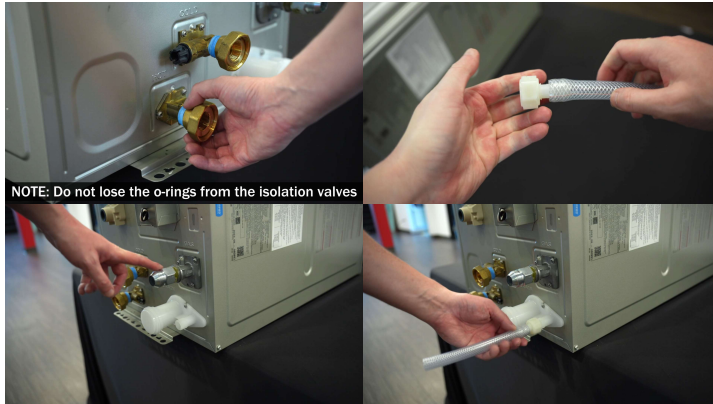
- ✓ Determine number of units to be mounted
- ✓ Template may be folded if less than 4
- ✓ Align left bracket mount with stud
- ✓ Level template
- ✓ Secure template to wall
- ✓ Drill pilot holes
- ✓ Remove template



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## CMK (3 Unit Wall Mount) Installation Overview



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Our CMK-SS  
Installation Video

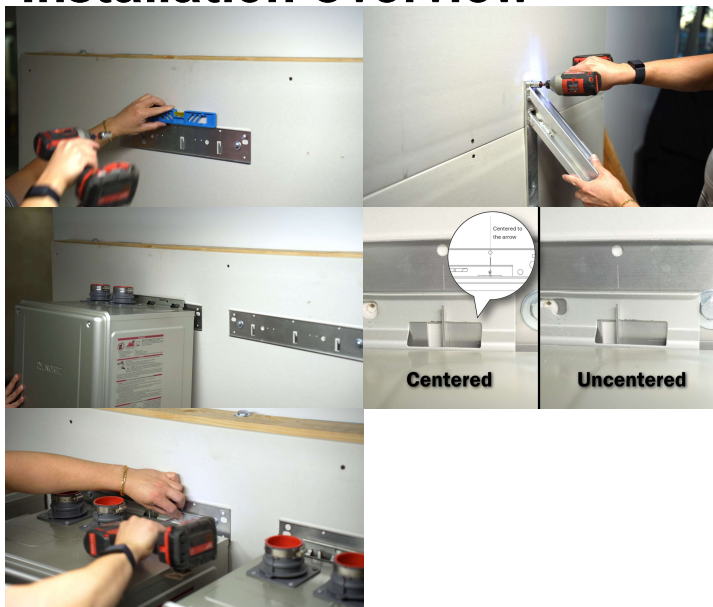
### CMK (Wall Mount) Prepare Heaters

- ✓ Attach iso kit unions to cold/hot fittings
- ✓ Attach braided hose to condensate fitting
- ✓ Attach gas union to unit
- ✓ Attach condensate fitting to unit



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## CMK (3 Unit Wall Mount) Installation Overview



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Our CMK-SS  
Installation Video

### CMK (Wall Mount) Mounting Brackets

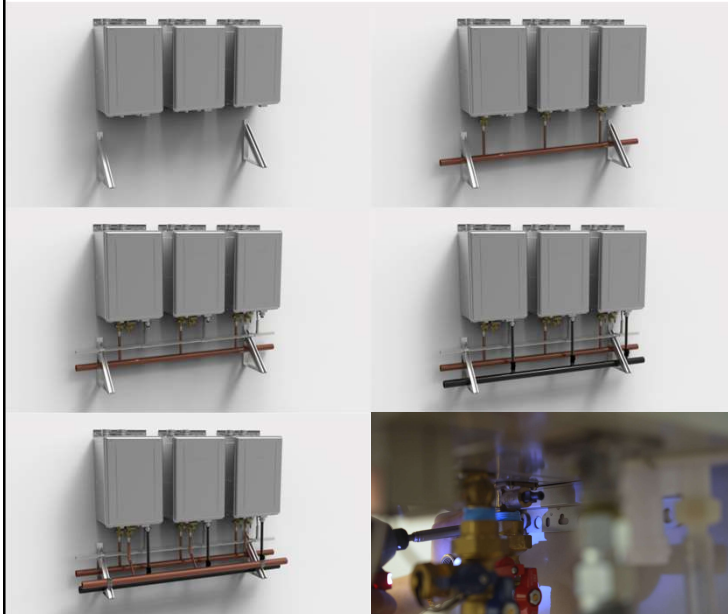
- ✓ Mount heater brackets
- ✓ Mount manifold wall brackets
- ✓ Hang units
- ✓ Make sure units are centered on bracket
- ✓ Secure units to top bracket



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## CMK (3 Unit Wall Mount) Installation Overview



**Scan to Watch  
Our CMK-SS  
Installation Video**

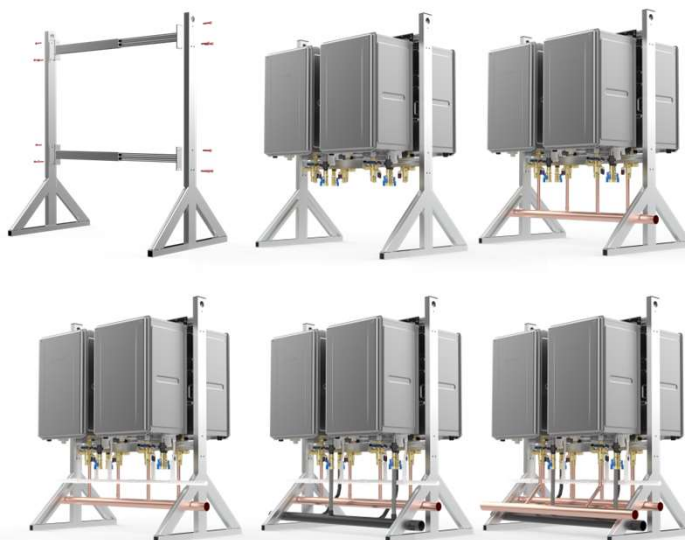
## CMK (Wall Mount) Manifold Installation

- ✓ Units and brackets mounted
- ✓ Mount hot manifold
- ✓ Mount condensate manifold
- ✓ Mount gas manifold
- ✓ Mount hot manifold
- ✓ Secure bottom bracket of units

**NORITZ**  
TANKLESS WATER HEATERS

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## CRK (4 Unit Back to Back) Installation Overview



## CRK (Floor Standing Rack) Installation Basics

- ✓ Assemble CRK-BASE
- ✓ Prepare and Hang Units
- ✓ Install Hot Water Manifold
- ✓ Install Condensate Manifold
- ✓ Install Gas Manifold
- ✓ Install Cold Water Manifold

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TANKLESS WATER HEATERS

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# THANK YOU

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