

# Modular Rack Kit Installation Instructions

Part # AP24551 – Modular Rack Kit  
Part # AP24552 – Modular Rack Add-On Kit

## SAFETY CONSIDERATIONS

Installation, start-up, and servicing of the unit must be done with due care and attention, and must only be performed by competent, qualified, licensed, and trained technicians. Failure to read and comply with all instructions and applicable National and local codes may result in hazardous conditions that could result in property damage and injury to occupants which in extreme cases might result in death.

Refer to the Use and Care Manual / Installation and Operating Instructions included with the unit for additional information to complete the installation.

## HAZARDS & PRECAUTIONS

### DANGER

Points out an imminently hazardous situation which must be avoided in order to prevent serious injury or death.

### WARNING

Points out a potentially hazardous situation which must be avoided to prevent serious injury or death.

### CAUTION

Points out a potentially hazardous situation which must be avoided to prevent possible moderate injury and/ or property damage.

### NOTE

Points out installation, maintenance and operation details that will result in enhanced efficiency, longevity and proper operation of your unit.

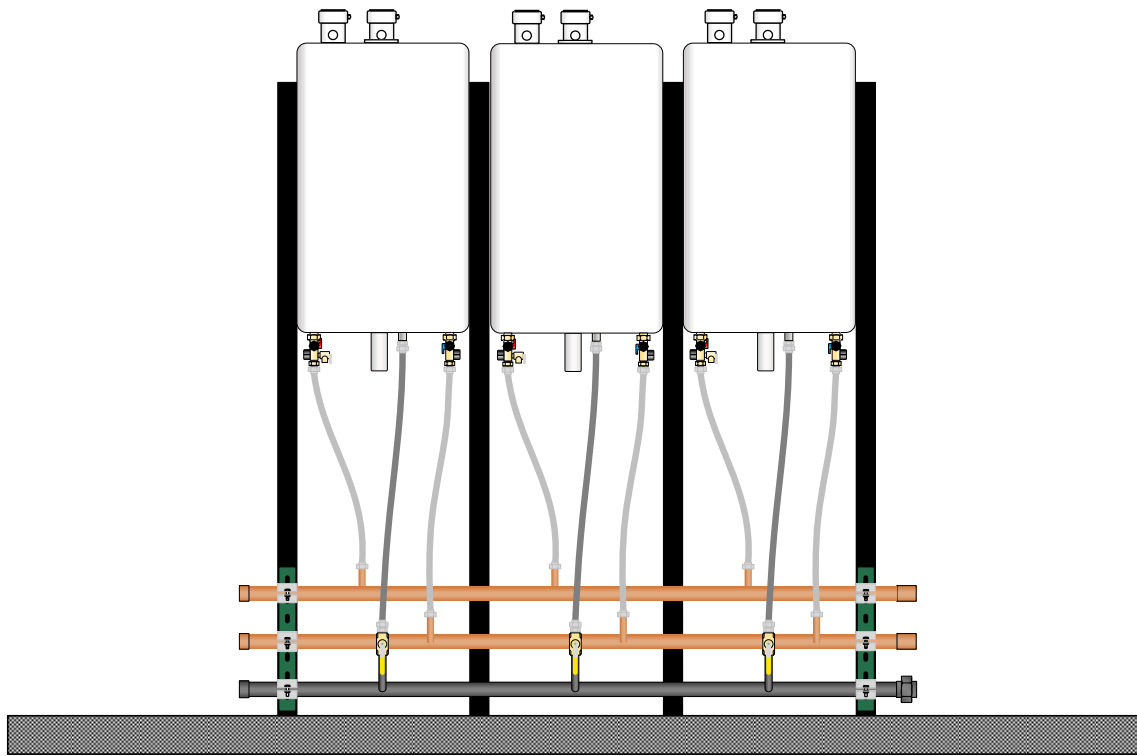
### BEST PRACTICES

Points out recommendations for better installation.

# Modular Rack Kit Installation Instructions




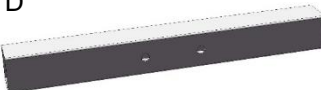
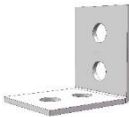
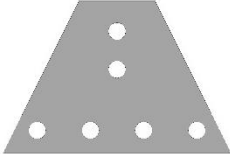





The Modular Rack System can accommodate any number of units in both side by side or back to back orientations. Assembly begins with a Modular Rack Kit which can accommodate a single unit in side by side installations or two units in back to back installations. Modular Rack Add-On Kits can then be added as required for additional units.

An optional Tankless Modular Rack Manifold Kit provides all the water and gas piping required to easily connect multiple tankless water heaters together for large DHW demands. The Tankless Modular Rack Manifold can accommodate up to eight Tankless Water Heaters configured in a side by side or back to back orientation.

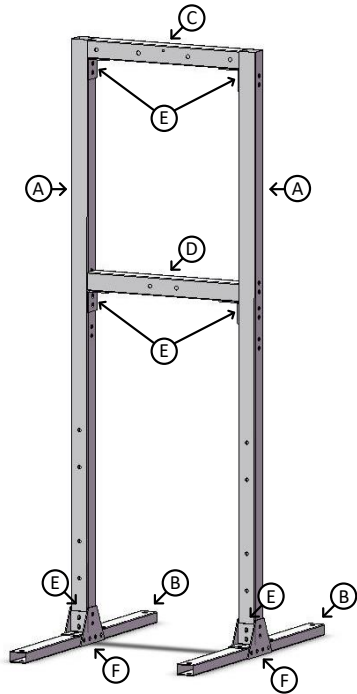


Tankless Water Heater Cascade System using the Modular Rack System

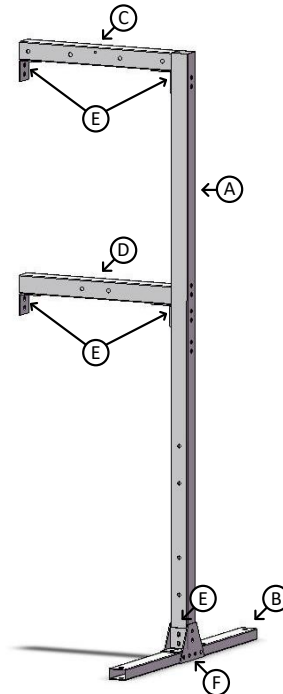
## Modular Rack Kit Installation Instructions

Components	Modular Rack Kit (Quantity)	Add-On Kit (Quantity)
Part A 	2	1
Part B 	2	1
Part C 	1	1
Part D 	1	1
Part E 	8	6
Part F 	4	2
Part G (Allen Bolt - Small) 	2	2
Part H (Allen Bolt - Large) 	42	34
Part I (Washer) 	34	26
Part J (Nut & Bolt) 	14	8
Part K (Concrete Anchor) 	4	2

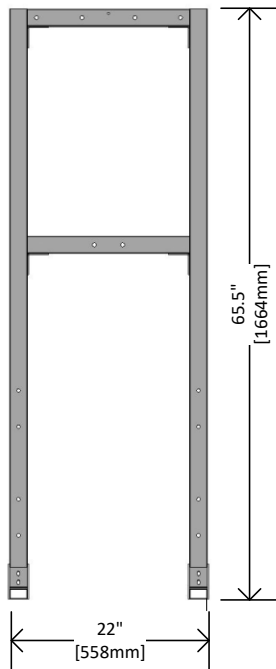
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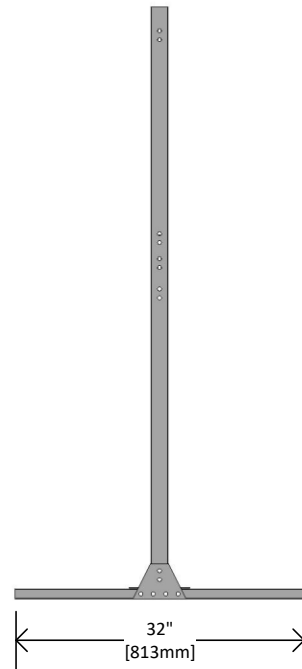
Modular Rack Kit Components



Modular Rack Add-On Kit Components



Dimensions - Front View



Dimensions – Side View

# Modular Rack Kit Installation Instructions

## Step 1

Begin assembly by bolting together Part A and Part B using Part E and Part F. Hand assemble all parts before tightening bolts.

- Attach Part E to the front and back of Part A using Allen Bolts and Washers as shown in Figure 1. The front and back of Part A can be identified by the 4 manifold system mounting holes.
- Attach Part B to the Part A / Part E assembly using Allen Bolts and Washers.
- Attach Part F to each side of the assembled parts using Nuts and Bolts.
- Ensure Part A is perpendicular to Part B then tighten Allen Bolts followed by Nuts and Bolts.
- Repeat the process for remaining assemblies.

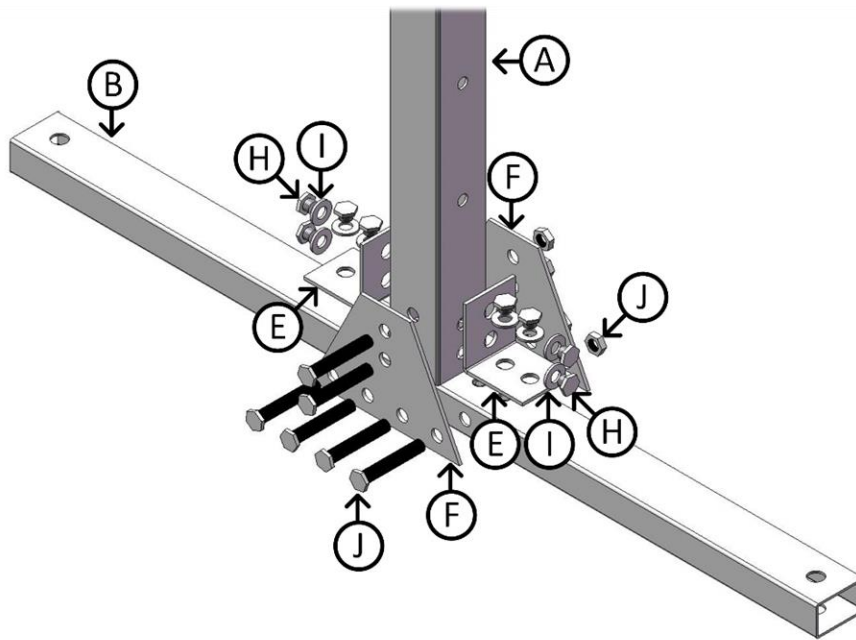


Figure 1: Foot Assembly

# Modular Rack Kit Installation Instructions

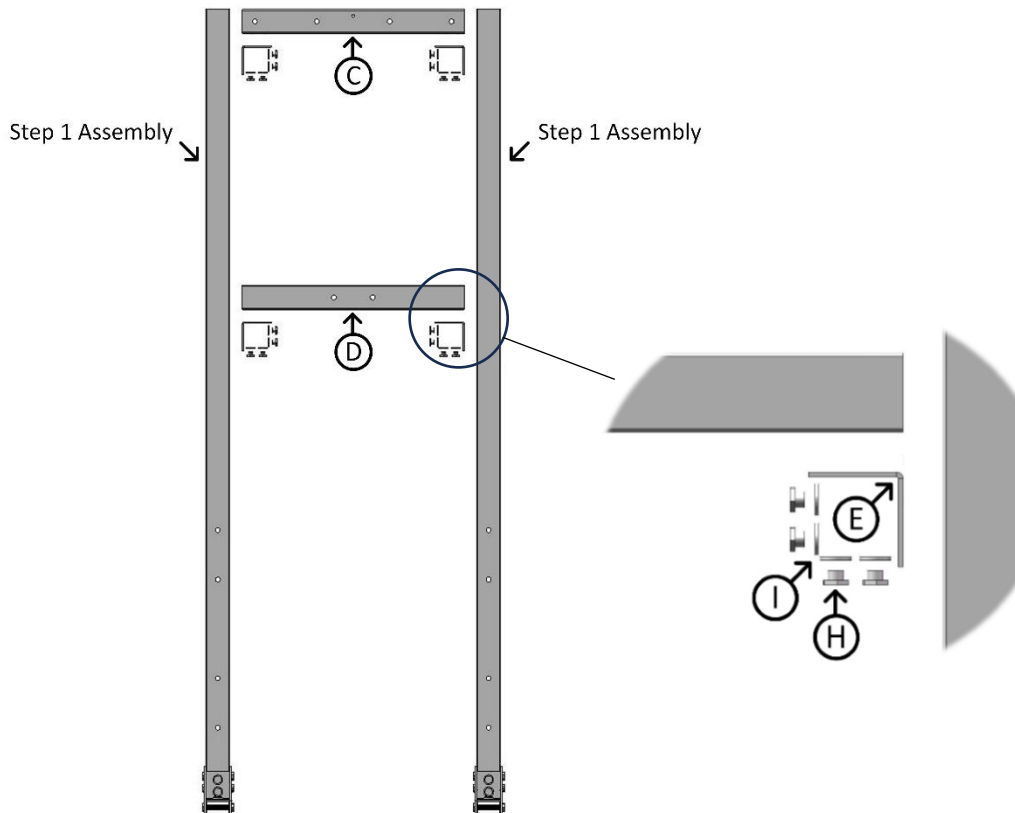
## Step 2

Bolt two assemblies created in Step 1 together using Part C and Part D. Hand assemble all parts before tightening bolts.

- Attach Part E to the top of each assembly created in Step 1 using Allen Bolts and Washers.
- Part E can be bolted to three different positions in the middle depending on the unit being installed. Attach Part E to the required middle position of each assembly using Allen Bolts and Washers.

Unit Cabinet Height	Position
29.8" [757mm]	Top
32.5" [826mm]	Middle
28 9/16" [726mm]	Bottom

- Attach two assemblies together using Part C at the top and Part D in the middle using Allen Bolts and Washers.
- Ensure Modular Rack is square prior to tightening all bolts then repeat the process for each Modular Rack Add-On Kit.



**Figure 2: Modular Rack Assembly**

# Modular Rack Kit Installation Instructions

## Step 3

Each Modular Rack must be bolted down using the included concrete anchors. If the Modular Rack is not level, the installer must install metal shims under the feet to level the Modular Rack. Concrete anchors require a 3/8" x 2 1/2" deep hole.

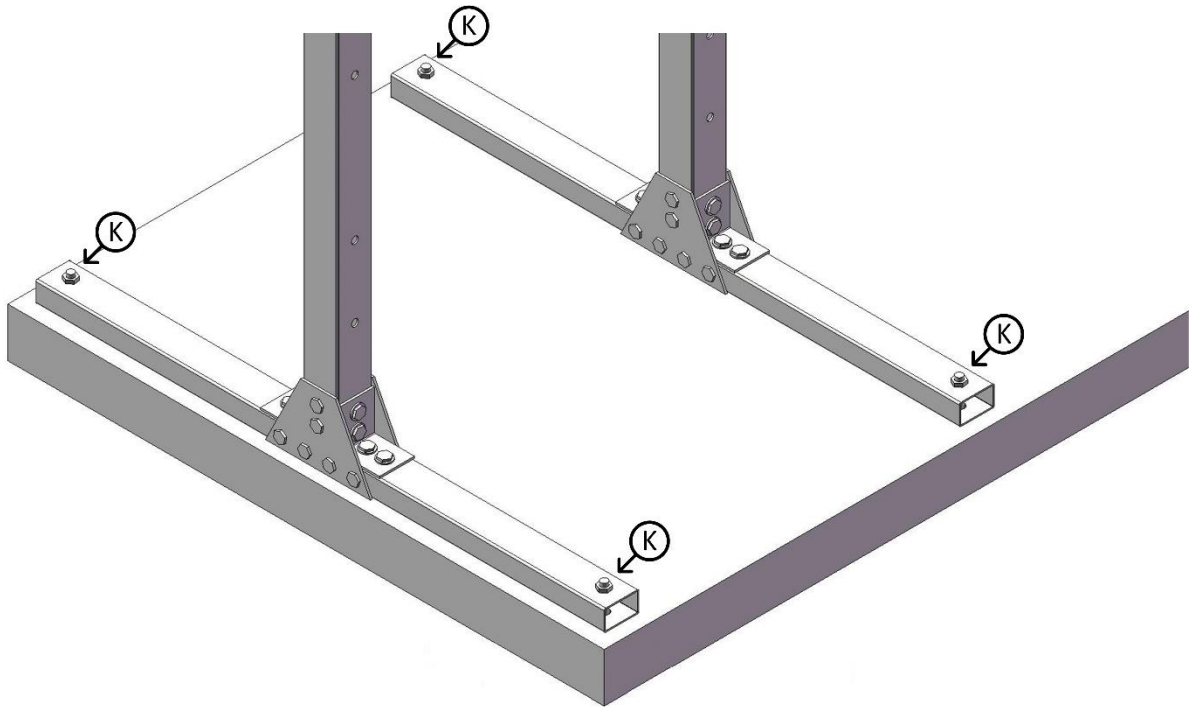


Figure 3: Securing Modular Rack

### **⚠ CAUTION**

**VERIFY ALL BOLTS ARE TIGHT AND EACH FOOT IS SECURED TO THE FLOOR PRIOR TO MOUNTING UNITS ON THE MODULAR RACK.**

## Step 4

Mount the units on the Modular Rack as shown in the units Use and Care Manual / Installation and Operating Instructions.

- **Units with Integrated Mounting Brackets** - Install a small Allen Bolt in the center of Part C leaving the head approximately 1/4" away from the surface of Part C. Hang and level the unit on the small Allen Bolt before permanently attaching the top and bottom mounting brackets using large Allen Bolts.
- **Units with Wall Mounting Brackets** - Mount and level the wall mounting bracket on Part C using large Allen Bolts then hang the unit on the mounting bracket.