

## SUSPENSION KIT INSTALLATION FOR GAS-FIRED LOW-INTENSITY RADIANT TUBE HEATERS

OPTIONS CK53, CK54, CK55, AND CK56 FOR MODELS VZ AND VZH

### GENERAL INFORMATION

#### DANGER

These kits are to be installed by a qualified service agency in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. Improper installation, adjustment, alteration, service, and/or maintenance can cause property damage, injury, or death. The qualified agency performing this work assumes responsibility for this installation.

**NOTE:** For heater suspension, the use of turnbuckles with a hanger kit is recommended for convenience in leveling the system. Refer to these instructions along with the installation manual provided with the heater for complete heater suspension instructions.

Refer to the installation manual provided with the unit for important safety information.

### KIT COMPONENTS

When installing hanger kit and/or turnbuckle kit, ensure that all components listed in [Table 1](#) are available before beginning installation.

**Table 1. Suspension Kits**

Option	Description	PN
CK53	Steel hanger kit	270725
CK54	Stainless steel hanger kit	270717
CK55	Steel turnbuckle kit	1047421
CK56	Stainless steel turnbuckle kit	1047422

**NOTE:** Hanger kits include eleven (11) S-hooks and 50 feet of chain. Turnbuckle kits include two (2) turnbuckles and two (2) hex nuts. Refer to [Table 2](#) for the minimum number of kits needed (may vary depending on the length of the suspension hardware).

**Table 2. Kit Quantities**

Heater Configuration	Turnbuckle Kit	Hanger Kit
	Minimum Number of Kits Needed	
10-foot straight tube	1	1
20-foot straight tube	2	
30-foot straight tube or 20-foot L- or U-tube	3	
40-foot straight tube or 30-foot L- or U-tube	4	
50-foot straight tube or 40-foot L- or U-tube	5	
60-foot straight tube or 50-foot L- or U-tube	6	2
70-foot straight tube	7	

**DO NOT DESTROY. PLEASE READ CAREFULLY. KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.**

## INSTALLATION

### ⚠ DANGER ⚠

The installer is responsible for installing the field-supplied structure suspension point hardware and for adequately supporting the weight of the heater.

### ⚠ WARNING ⚠

The heaters are designed so that the tube suspension points can be adjusted slightly to adapt to the structure. Each straight tube must have at least one suspension point. Straight tubes downstream and adjacent to an L-tube or U-tube require two suspension points.

### ⚠ CAUTION ⚠

A minimum of 12 inches (305 mm)—the total length of chain, S-hook, and/or turnbuckle—is required between the tubes and the structure suspension points.

1. Suspend heater in accordance with installation manual provided with heater using S-hooks, chain, and turnbuckles (as necessary) at all suspension points.
2. To install turnbuckles:
  - a. Remove right-hand thread eyebolt from turnbuckle (see [Figure 1](#)) and install hex nut on eyebolt with nut's teeth away from eye.

### ⚠ CAUTION ⚠

**DO NOT tighten (lock) the hex nuts against the turnbuckles until the system is leveled. Locking the hex nuts against the turnbuckles is required to prevent the turnbuckles from turning when the system expands.**

- b. Thread eyebolt back into turnbuckle. DO NOT tighten (lock) hex nut against turnbuckle at this point.
- c. Level heater and THEN tighten (lock) hex nut against each turnbuckle.

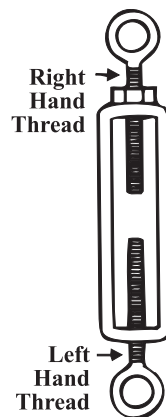


Figure 1. Turnbuckle and Hex Nut

