



Installation Instructions

9128 – Universal Tent Flange Assembly for PS2000



- **What's Included:**

Part #:	QTY:	Description:
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9128	1	Ducted Tent Flange Assembly
9241	1	Optional sealing plug for thermostat pass thru
9223	1	Small 4" Bungee for hanging or zipper retention

- **Installation Instructions:**

Initial Setup: First, you will need to find a suitable location for the flange for your application. Some considerations to keep in mind are:

- The placement of the heater may limit where you can mount the flange due to the length of the ducting. **The heater will need to be put in a safe location where the ducting will reach but also where the exhaust port won't be harming any nearby components.**
- If possible, mount the flange in a tent opening (door/window) that will not be frequently opened/closed.
- Remove all components needed from the suitcase before placing the heater in its location. Those will include: (2) Ducts, Thermostat/Cable assembly, Propane Regulator/hose, and any power cable for external power (if needed). If using the optional power bank, you may leave that and the power cable inside the case.
- **We highly recommend using a portable Carbon Monoxide Monitor inside the tent to ensure a safe environment.**



Shown with optional Renogy power pack

Step 1 – Thermostat Setup: Grab your flange and the thermostat assembly, then pass the plug through the hole on the flange from the outlet side (The side that will face inside the tent). Then, remove the lock nut from the cable gland fitting on the thermostat cable.



Pass the locknut through the thermostat cable hole followed by the cable gland fitting. Screw on the lock nut and simply snug it up by hand (it does not need to be overly tight). Make sure the cable gland is loose to allow the thermostat cable to easily slide through.



Step 2 – Thermostat Setup: Next, mount the thermostat inside the tent and in an area that is easily accessible. Route the thermostat cable to the heater and plug it into the outlet plate.



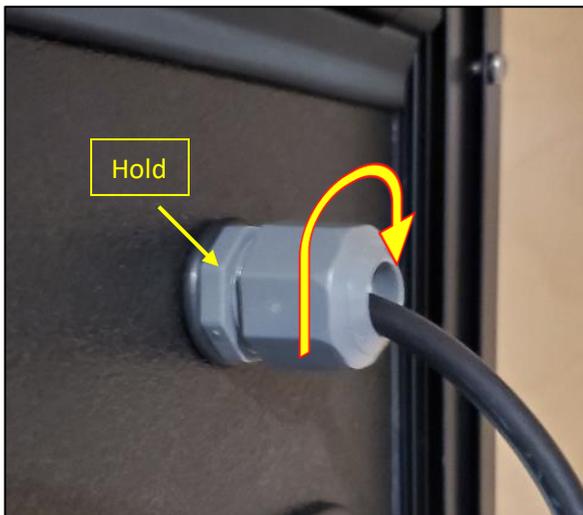
Step 3 – Ducting Setup: Starting with the lower air supply duct, secure the outlet to the heater followed by the lower port on the Tent Flange. Repeat the process for the return air hose duct. **Important: Avoid sharp bends and reduce the number of bends in the ducting as much as possible. Doing this and reducing the overall length of ducting as much as possible will greatly increase the efficiency of the heater and will help prolong the life of the ducting.**



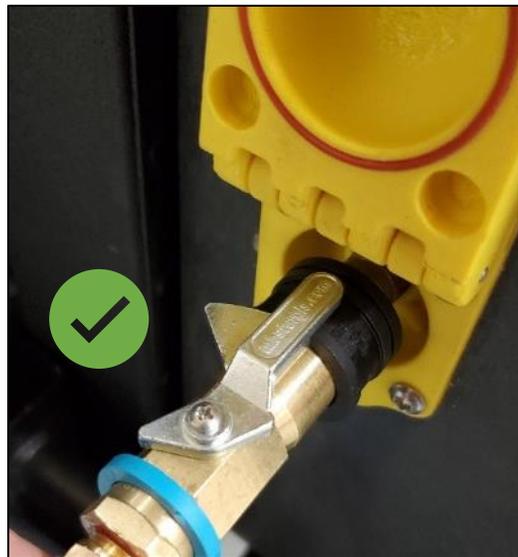
Step 3 – Ducting Setup Continued: With the ducts attached to the tent flange and heater, go ahead and zip up the tent around the ducts from the outside and pull the flange tight to the zipper. Use the provided bungee to help keep the zippers closed around the flange. Note: You optionally can hang the flange inside the tent if your setup allows (the ducting length may be the limiting factor), then zip up the tent around the ducting.



With the flange secured, you can go ahead and tighten the plastic cable gland fitting by hand at the flange so that it seals down to the thermostat cable.



Step 4 – Propane Connection: Connect the propane regulator to your propane tank (standard POL type fitting) ensuring that the rain cover is facing up. Then connect the quick disconnect to the heater followed by moving the ball valve lever to its inline 'on' position. Note: If you are unable to move the ball valve lever fully in-line with the fitting, it's likely because the disconnect isn't fully seated on the heater side fitting.



Step 5 – 12V Power Hookup:

- **Optional 12V Power Bank:** If you purchased the optional 12V Power Bank to utilize with your PS2000, simply connect the provided USB-C to DC Jack PD Cable to the middle port of the battery, and then the internal DC input Jack.

Note: The cable provided with the heater is specifically designed to keep the battery turned on during low current draw situations (idle heater operation) as well as prevent overvoltage by providing stable 12V power. **If you use a different power cable or port on the battery, it will likely turn off between heat cycles requiring you to turn the battery back on.**



- **External 12V Power:** To connect to external power you will need a 12V power source and a 2.5mm x 2.1mm DC Jack plug cable capable of supplying up to 5 amps. To connect, simply connect the cable to your power supply/battery and then plug into the external Power Jack located on the outlet plate.

We offer several power cable options, so be sure to check out our website.



You're now ready to start using your PS2000 heater! Refer to the Quick Start Guide included with your heater for any operational information and fault finding.

General Tips and Tricks:

- To pack up at the end of camping, the tear down process is simply the reversal of the installation steps shown above.
- We highly recommend taking the time to go through a complete setup and test run of the heater BEFORE leaving for camp. Better "Safe than Sorry" as they say. Not only does this ensure that all the components are functioning properly, but you'll gain confidence in how to properly set up and tear down your heater before relying on it.
- Make sure to have the thermostat connected to the heater BEFORE hooking up 12V power or damage to the circuit board may occur. Also make sure to disconnect power BEFORE disconnecting the thermostat from the heater.
- Do not disconnect power from the heater while it's running! Shut the heater off from the thermostat first and allow it to complete the cool down cycle before disconnecting power.

Disclaimer:

The end-user of this product assumes all responsibility for the use or misuse of this product and Van Cafe shall not be held liable for any damage to person or property.

