



Coffee Crafters



# Assembling your Artisan V

5lb Fluid Bed Coffee Roaster



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Your Artisan V Roaster comes mostly assembled. The following instructions will help you correctly complete the assembly process. Your roaster is delivered in two boxes. Your boxes include the following parts:

### BOX ONE:

1. The roaster
2. Cooling pot / lid
3. Roast hopper
4. Exhaust tube
5. The bean thermometer/probe and bracket

### BOX TWO;

1. The Chaff System
2. The 4"x5" duct Y
3. The 4 x 3 rubber coupler w/ metal fitting
4. The roast hopper



Before you start the assembly process you must select a suitable location for the roaster and chaff system. The chaff system can be installed in any location within 10 feet of the roaster, including on the other side of a wall. You may prefer this installation method if noise is an issue. The roaster comes with the parts needed to install the chaff system on the right side of the roaster. The customer must supply the 4" metal flex ducting. One 20' section of metal flex ducting is adequate for most installations. If you decide to put the chaff system in a different location, additional vent pipe and fittings will be required. Make sure to check with local codes for venting requirements. When installed correctly the exhaust gas temperature will not exceed 165 degrees F.

The roaster must be positioned on a flat smooth surface. **DO NOT** install your roaster on carpeting. Air must be allowed to flow under the roaster to run properly. Make sure the roaster has at least a 6" gap between the back vent pipes and the wall.



## Step 1:

**Position and secure the vent tube.** The vent tube/hood is secured for shipping with a 3" hose clamp. For this part of the installation you need to secure the roast hopper in its roast position. There are 3 pins that the hopper secures to as seen in the picture in [Figure 1](#). (Only two shown.)

**NOTE:** *It is not necessary to use excessive pressure to secure the hopper. The pins only keep the hopper from falling over. Using excessive pressure to secure the hopper can damage the lock pin.*

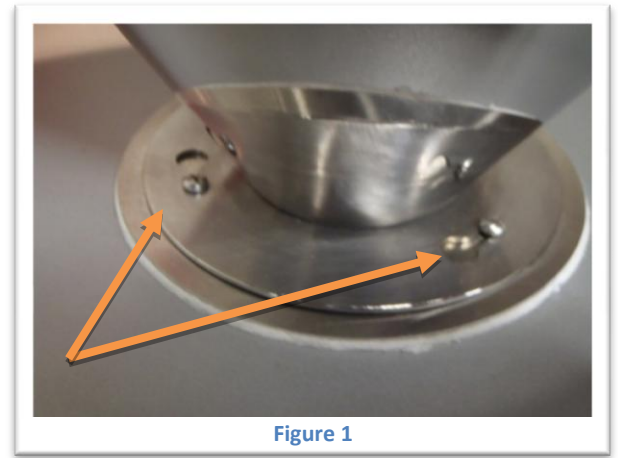


Figure 1



The hood should be spaced 3.5" to 4.5" above the hopper. **DO NOT** position the hood less than 3.5" above the hopper. Positioning 3.5"-4.5" will give you the best performance and ensure the exhaust temperature stays below 165° F. A piece of dry finished 2x4 lumber works great as a spacer. With the hood positioned above the hopper you can secure the 3" hose clamp. *As shown in [Figure 2](#).*

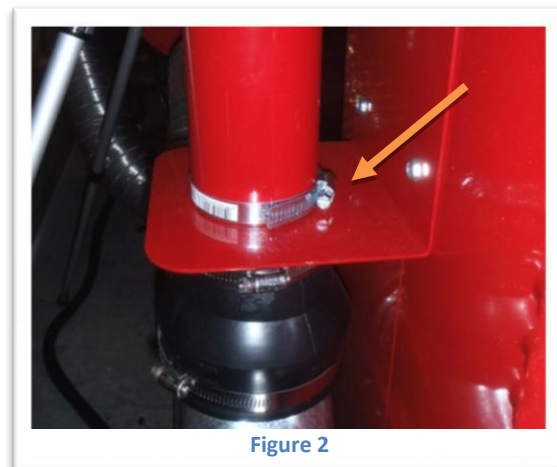


Figure 2



## Step 2:

**Connecting the thermometer to the Hopper.** With the spacing established from the hood to hopper, connect the thermometer to the handle of the hopper. Install the thermometer bracket on the left handle as you face the roaster *As shown in Figure 3*. The thermometer probe bracket inside the hopper should be positioned on the left side as well.



Figure 3

## Step 3:

**Connecting the electrical cable.** The roaster must be connected to a designated 60 amp circuit. The roaster and control devices are 220 volt. Consult your local codes for proper wiring. The power distribution block and cover are located on the back of the roaster as shown in *Figure 4*.



Figure 4



## Step 4:



Figure 5

**Connecting the chaff system to the roaster.** The chaff system requires a designated 20 amp 110 volt circuit. Once the roaster is in its proper operating position you can connect the chaff system. Use 4" metal rigid or flex to connect the roaster to the chaff intake. *Shown in Figure 5.*

DO NOT install your chaff system exposed to the elements. To minimize noise you can put your chaff system in another room or under counter.

The roaster vent pipe flex tubing is attached *as shown in Figure 6.*

Once the chaff system is connected to the roaster you can run the exhaust vent to the outside through a standard 4" metal dryer vent. The 90° exhaust is pre-installed on the chaff canister, as the arrow shows in *Figure 6.*

You're ready to roast coffee! Consult your roasting operator's manual for initial test and roasting instructions. Enjoy your new Artisan V Roaster.



Exhaust Vent to the Outside →

Figure 6