

# User manual for Sunchef

## Instructions from Security.

Be careful when moving or transporting the device not to drop it.

This device is not suitable for unattended children or people with reduced mental, sensory or physical abilities.

## Setting up your SUNCHEF



### **WARNING :**

**Carefully remove the cylinder inside the tube before a first use to remove the protective foam.**

**Then put the cylinder back.**

**The Cylinder allows not to dirty the tube and to distribute well the heat**

Open the box and take out the Sunchef and the two pieces of the basic support. Remove all nylon films and place the Sunchef on a stable table. Open the two mirror wings and remove the protective films. Be careful to remove the protective films from the mirrors by pulling them perpendicularly and not vertically. Push the aluminum knob with your finger and turn it to release the cooking rack . Pull the cooking tube out of the stainless steel tube, then also remove the stainless steel protective tube. Remove the protective foam at the end of the protective tube and insert it back into the pyrex tube. Be careful that the silicone band is at least 1 cm from the edge of the stainless steel tube. In the cooking tube you will find a thermometer and a base a shape of  $\Pi$  that you can use to place the cooking rack on the table.

## Setting up Sunchef



To place the tracking stand, first open slightly the two opposite legs and then the other two, to their limit. Then place it on a stable ground. Lift Sunchef and slide the aluminum plate which is found at its bottom, inside the corresponding socket on the top of the tracking base.

Open the two mirrors and secure the top one by tightening the two wing nuts on the right and left.

## Sun tracking



You can track the sun horizontally by turning Sunchef left or right accordingly. For the vertical tracking use the orange knob. Sunchef is at the right place when the shade of the end side of the glass tube is in the middle of the base of Sunchef and tangent to its vertical side.

You will notice that the shade after 15 or 20 minutes has moved from that spot. Do not worry, the temperature inside the tube has remained hot enough to continue cooking and will recover very fast when you readjust the tracking towards the sun. There is no need to preheat Sunchef.

## Cooking



The inside of the borosilicate glass tube is protected from vapor and water from the food by a stainless steel tube. The food is placed in the special round shaped stainless steel pan and is then inserted into the stainless steel tube. You have the choice to use special oil paper and then aluminum foil to wrap the food when needed to limit the high temperatures and avoid the pyrolysis of the fat in the food, especially meat.

All kind of food must be defrosted before you put it in the pan. Once the food is inside the pan, insert it in the stainless steel tube.

To place the thermometer, take out the pan about ten centimeters, place the thermometer in the small hole above the handle and place the silicon rubber over the tube of the thermometer. Then just push in the pan to close. In a few minutes, the temperature inside the tube will rise at more than 100° Celsius, but there is not any danger of burning your hand if you touch the external tube. Please take care, the temperature must not rise beyond 240° Celsius. Close the mirrors to control the incident solar energy.



In one and a half to three hours, the cooking is finished. That depends on the kind of food and the quantity. You can let the food inside Sunchef to keep it warm until the moment you need to serve it, without tracking the sun. The tube is like a thermos. Always use special gloves to take the pan out since it will be very hot. Put it on the special wooden base provided for better stability.

## Cleaning



To clean the mirrors when dusty, always use wet kitchen paper with alcohol or glass cleaner. Never clean the glass tube when hot, only when it is at room temperature.



For easy cleaning of the pan put some water with soap inside and let it soak until you finish your meal. Then, just remove any remaining food using stainless steel wire and finish by rinsing. From time to time you will also need to wash inside the stainless steel tube. Be careful not to immerse its bottom in the water, only rinse. There is a special ceramic tape attached with a special high temperature glue to prevent the stainless steel to touch the glass directly. The glue is water resistant but only for small periods of time.

## After use



To remove Sunchef after use, just place your thumb on the top of the socket and your other four fingers at the bottom of Sunchef and push out holding the handle in the same time, until complete release. Do not forget to untighten the two wing nuts on the right and left when closing.

Find demo videos at [www.solarbrother.com](http://www.solarbrother.com) or on our youtube channel <https://www.youtube.com/c/SolarBrother/videos>

Share your recipes, photos and videos of use to participate in the diffusion of this beautiful energy.

Together, let's shine the light on the planet

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