

# Hot Spot Solar Barbeque



**Concentrating Solar Dish focusing light  
on cooking pan hanging from umbrella pole.** U.S Patent # 7,374,301

## Directed Energy Cooking

A Better Focus Company manufactures “point focus” solar dishes that concentrate solar energy from a 4’ diameter to a 6” spot that can reach temperatures of over 1000 F. These high temperatures can be used to barbeque, boil , and bake just about anything.

## How Does it Work?

The Vacu-Dish™ focusing technology starts with a highly accurate ring and backplane assembly that forms a shallow dish with a raised circumference. Highly reflective film is stretched and sealed across the frame. A small hand pump creates a vacuum inside the dish, causing the film to form a concave shape that concentrates solar energy to a “hot spot” of 4-6 inch diameter at a 8-12’ focal length. Food is placed in a vertical orientation, and in an elevated position so that the hot focal spot shines on the cooking surface.

Vacuum holds for ½ hour before requiring a few pumps to reestablish focal length. Note that as the sun moves, small adjustments to the dish position are required



**Back of Dish showing oak legs  
and adjustable elevation leg**

**Brats loaded into cooking pan**

**Inverted Oven**

**Freshly baked bread**

## Specifications

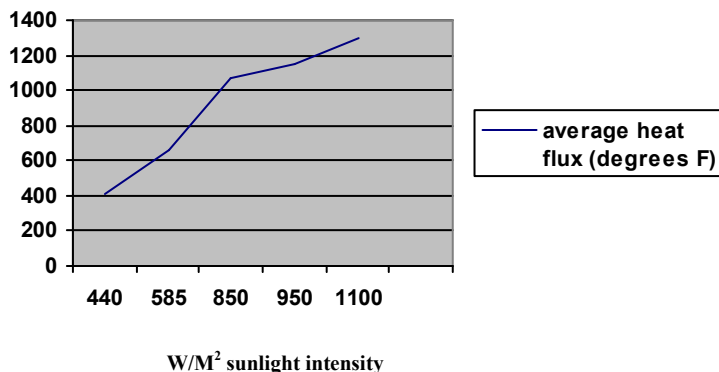
**Principle of Operation:** Reflective film stretched across a rigid 4' diameter ring. Hand pump creates a vacuum inside the ring, causing the reflective film to form into a smooth concave mirror that focuses light into a 4-6" spot.

**Physical:**

Mirror Diameter-	45"
Reflective Surface	Aluminized Mylar Film
Reflective Area	11.5 Cu. Ft.
Weight	8-10 lbs., depending on configuration

**Performance:**

Point Focus	
Minimum Focal Length	8 Ft.
Minimum Focal Area	4"
Concentration	130 suns
Time to Boil 48 Oz. of Water	11 minutes
Vacuum Hold Time	Days
Maximum Heat Flux	1300 F (at 1100W/M <sup>2</sup> sunlight intensity)



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## Pricing

Reflecting Dish, including 45" Diameter Reflecting Dish Hand Vacuum Pump 1 Telescoping Leg for elevation adjustment Instruction Manual Cardboard and vinyl film cover 2 Pair Sunglasses	\$ 280.00
<b>Cooking Accessories:</b>	
Insulated Barbeque Pan , wi. heat diffuser plate	\$ 65.00
2 pegboard brackets for pole mounting BBQ pan	\$ 7.50
Inverted Oven- Insulated and sheathed Pole mount Internal cooking basket Temperature gage	\$ 185.00
Additional Sunglasses	\$ 12.00 ea.
Shipping and taxes not included	

**Safety Notes:** Always wear sunglasses when using this dish. Do not stare at the hot spot for extended periods.  
As with all cooking activities, hot cooking surfaces can potentially burn you.  
Prevent accidental fires. Never leave the dish unattended- Replace cover, or relieve the vacuum.

Also follow the development of our 8' diameter power dish at [www.abetterfocus.com](http://www.abetterfocus.com)

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