



Manual for Assembling and Usage
For PureStiller mini

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PureStiller mini

ピュアスティラー ミニ

Traditional herbal distillers focused on distillation efficiency, so the function and the shape as a chemical instrument were regarded important. Their weak points were that they were difficult to handle, and didn't match with the atmosphere of other interior decorations or the room.

Now, we have developed a compact, cute, and easy-to-handle herbal distiller "PureStiller mini", taking the opinions of aroma business operators.



Photo by: SHOCO HILEI

Specification of the distiller	Size (W×D×H)	330×230×330mm
	Weight	Approx. 3.5kg
	Contents	Distiller (glass)
		Distillation flask
		Cooler
		Oil separator
		Electric stove (200W/100V)
		Pottery base
Wooden stand		

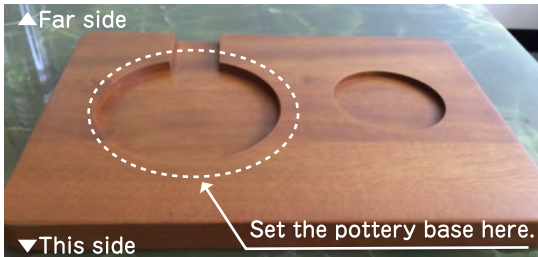
flask	Capacity	1 liter
	Volume of herb	Approx. 30g ~110g
	Oil	0ml~2ml
	Herbal water	100ml~200ml

- Measurement conditions Room temperature: approx. 25 °C
Extraction time: 1 hour after boiling.
- The volume of extracted oil and herbal water depends on the kind and condition (fresh or dry) of herb, and the distillation conditions.
- This specification is as of October 2016. The specification may be changed without notice for improvement of the product.

Name of the parts		
	A	Flask (head)
	B	Silicon cap
	C	Flask (body)
	D	Silicon drain trap
	E	Electric stove
	F	Pottery base
	G	Connecting pipe
	H	Drain hose
	I	Cooler
	J	Oil separator
	K	Wooden stand
	L	Dropper
	M	100ml vial
N	3ml vial	

1 Place Pottery base on Wooden stand and put Electric stove into Pottery base.

Put the wooden stand with the uneven surface facing upward. Set the pottery base on the larger recessed area of the wooden stand. Pass the cord on the electric stove first, then set the electric stove itself in the pottery base, tilting slightly.



2 Set the silicon drain trap.

Fold and insert the silicon drain trap into the flask body.



▲Silicon drain trap



3 Silicon cap and Flask (head)

Fit the silicon cap to the mouth of the flask body, insert the flask head into it, and set them on the electric stove.

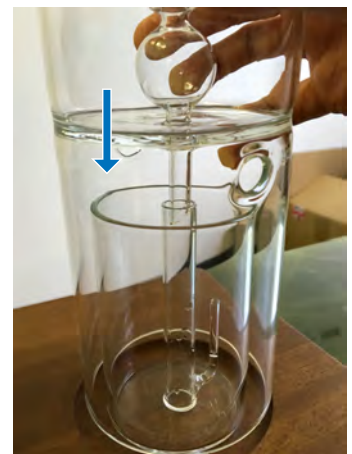


4 Oil separator

Put the oil separator on the smaller recessed area of the wooden stand, with the thin tube on the right side.



Set the cooler from above and get the tube of the cooler into the tube of the oil separator.



Assembling 2

5 Connecting pipe

Attach the rubber tubes to both ends of the connecting pipe. Then attach the bent end of the tube to the end of the cooler, the other end to the flask head.



6 Drain hose

Attach the drain hose to the drainage port of the cooler. (By wetting the end of the hose with water, the work will become easier.)



PureStiller mini×mini COLUMN

Dial timer for using “PureStiller mini” safely and conveniently. (Sold separately)

Perfect for preventing no-water burning.

Dial timer

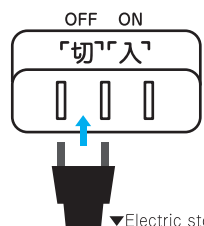
As the flask of this product is made of glass, no-water burning causes serious damage. By using this timer between the electric stove and the outlet, power is turned off at the appointed time, and the distillation will be done safely.

◎How to turn off power after 1 hour.

The timer has 3 slots for the plug. Insert the plug of the electric stove into the 2 slots of “off” side. Turn the dial to “1” and connect the plug of the timer to the outlet, and the timer is started. After 1 hour the power is turned off.

The photo shows “Panasonic Dial timer WH321WP”. It is available from the website below etc.

<https://www.monotaro.com/p/4103/7543/>



Choose the distillation method according to the material.

Steam distillation

Herb, tree leaves, xylem etc.



Put water (approx. 300cc) into the flask body. It will stand 1cm under the silicon drain trap.

Note

Too much material makes it difficult for the steam to pass through.

Hydro distillation

Citrus peel, flower (rose etc.)



Put water and the material (peel should be crushed) together into the flask, and stir. The upper limit of the height of the liquid should be at about 2/3 of the flask.

Note

The liquid is easily scorched by putting in too many solids such as peel. Be careful that the liquid is not too pulpy.

- 1 Fit the silicon cap to the mouth of the flask body, and insert the flask head into it so that all of the cylindrical section of the flask head is put into the flask body.



- 2 Attach the connecting pipe to the flask head.



Distillation method 2

- 3** Prepare for the drainage.
Put a drain receptacle (e.g. 2 liter PET bottle or a bucket) under the drain hose connected to the cooler.



4

Start distillation.

Plug in the electric stove. After 15–30 minutes, the water in the flask begins to boil. Steam passes through the connecting pipe to the cooler, where it is cooled, and it falls into the oil separator.



Cooling method

Put cold water into the cooler.

When the water in the cooler becomes hot, add some water from the opposite side of the drainage port.

While distilling, let cold water into the cooler so that the inside of the oil separator will not get fogged.

Ice or refrigerant can be used.



Finish the distillation

- Finish the distillation about 1 hour after the first drop falls.
- When the oil separator becomes full to the brim with herbal water, unplug the electric stove and finish.
- Take care that the water in the flask is not run out.

After unplugging the electric stove, remaining heat may reduce a little water. In such a case, it may cause no-water burning, resulting in the damage of the flask.

Collect the oil.

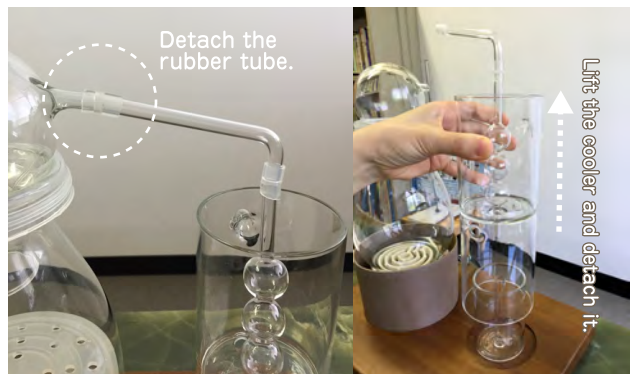
1 Leave till it cools down.

The flask and the connecting pipe etc. are very hot after distillation. Leave for a while after unplugging till it cools down.



2 Detach the parts.

Detach the rubber tube on the connecting pipe on the flask side. Then lift the cooler and detach it. Be careful not to spill the remaining cooling water.



3 Collect oil and herbal water, and put into the vials.

Suck up the oil collected in the oil separator with the dropper, and put it into the vial.

In case that the oil has gone outside the central tube, suck it up with the dropper and return it into the central tube. Then it will become easier to collect the oil.

- After about 1 hour, 170~180 ml herbal water will be collected.
- The volume of the extracted oil and herbal water depends on the kind and condition (fresh or dry) of herb, and the distillation conditions.



Precaution for handling

- Glass is easy to break. Please take care when using and cleaning.
- As the unit is very hot when and after being used, don't touch it with bare hands.
- Never use the parts with cracks, chips, or deep scratches. It may cause an unexpected fracture.

Care and cleaning

- Use a soft sponge and neutral detergent for washing.
- Don't use detergent with abrasives such as cleanser, which may damage and break glass unexpectedly.
- Don't twist the parts strongly when washing. It may cause damage and injury.
- Be careful not to get injured when handling broken parts.

When glass parts are broken.

- Glass parts may be repaired. Also parts can be sold separately. Please feel free to inquire about it.



PureStiller HC Series

"PureStiller HC" series



Do you want to collect much more oil and herbal water? Or do you want to distill more efficiently? Then "PureStiller HC" series is perfect for you! "PureStiller HC" series makes it possible to collect a large amount of oil and herbal water very easily and efficiently.

Also we can manufacture large-scale distillers with more than 100 liter pot for factories and farms.

Please contact us for more information.

The results of distillation and samples of the component analysis are posted on the "PureStiller" website.

Please contact us about herbal distiller "PureStiller".

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