

# Olea

## HOW TO DISTILL AT HOME

### **AUTHORS:**

Giulia Chiggiato, Irene De Biasi, Chiara Guarino, Federico Montini, Vittorio Rinaudo

### **CO-AUTHORS:**

Polifactory (Polifactory - Politecnico di Milano)

OLEA is a project publicly released and made available in open-source mode according to the Creative Common License (CC BY) and promoted by Distributed Design Platform with the related documentation.



# 1. Assembly and Use

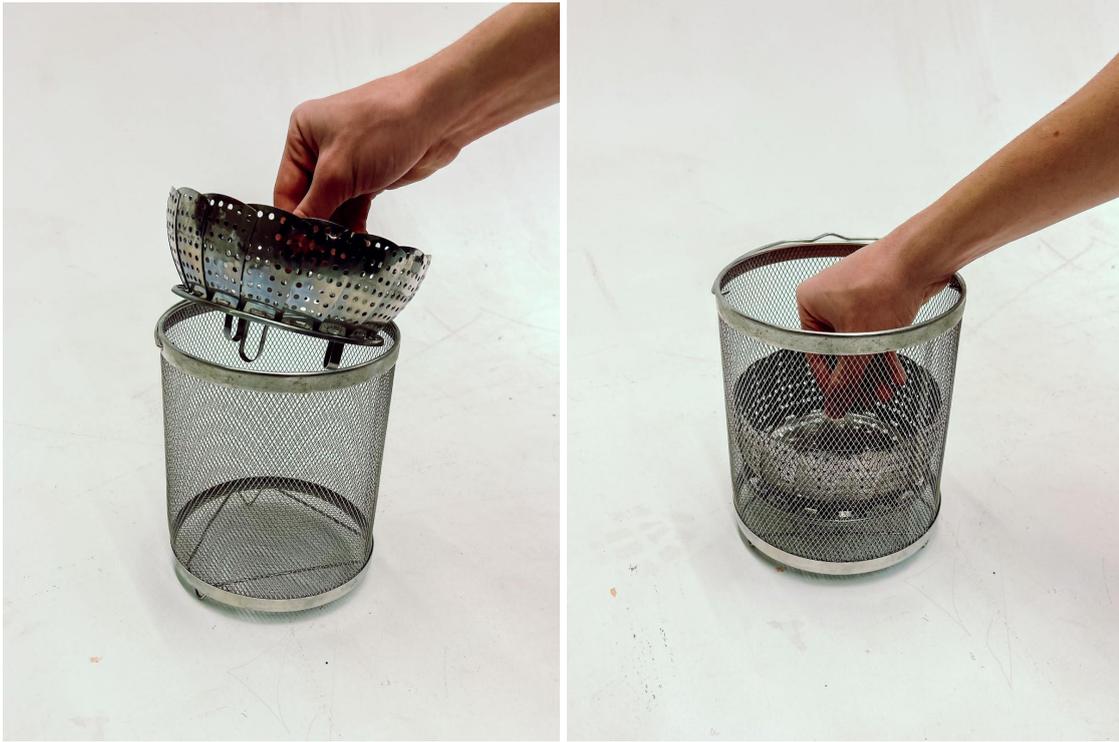
**Step1:** Place the pot on the stove.



**Step2:** Fill the pot with 1L of water.



**Step3:** Insert the smaller rack into the bigger one.



**Step 4:** Insert the herbs you want to distill by filling the rack up to the edge.



**Step 5:** Place the grids with the herbs inside in the pot.



**Step 6:** Place the hydraulic junction to the lid



**Step 7:** Fit the silicone guard obtained in STEP 1 onto the lid.



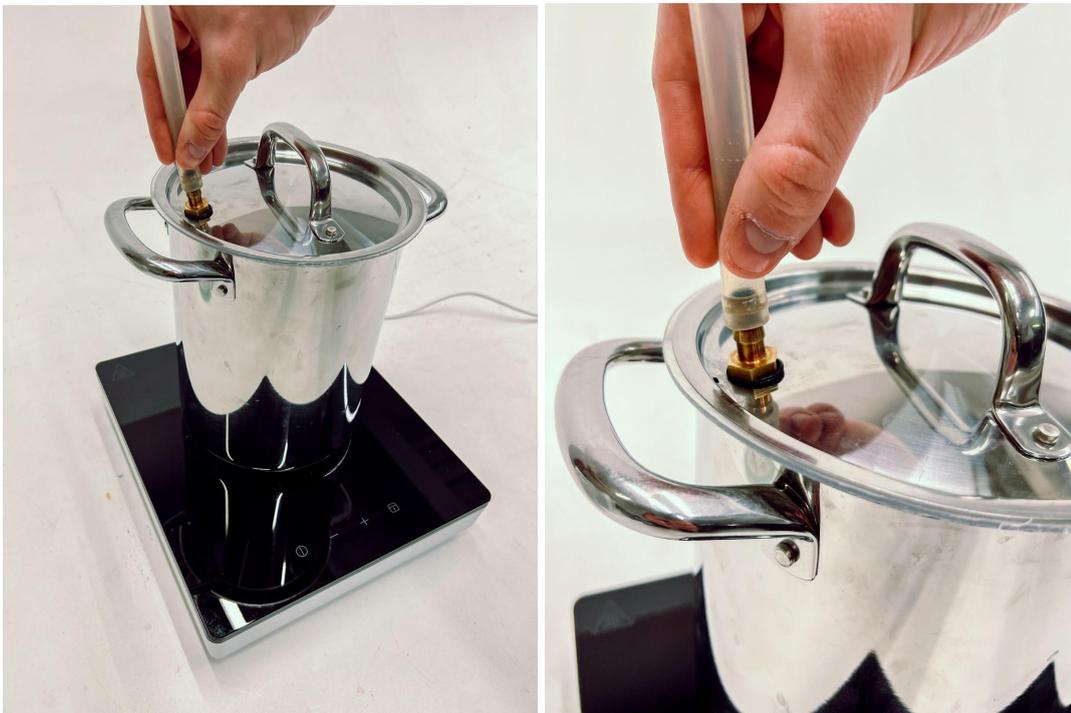
**Step 8:** Close the lid



**Step 9:** Use the metal clamps to better seal the lid.



**Step 10:** Place the silicone tube onto the hydraulic fitting.



**Step 11:** Unscrew the existing faucet.



**Step 12:** Place the cooling container on the appropriate pedestal.



**Step 13:** Pass tube 2 inside the molded faucet into the straight canal.



**Step 14:** Insulate and seal the tap with clay and Teflon.



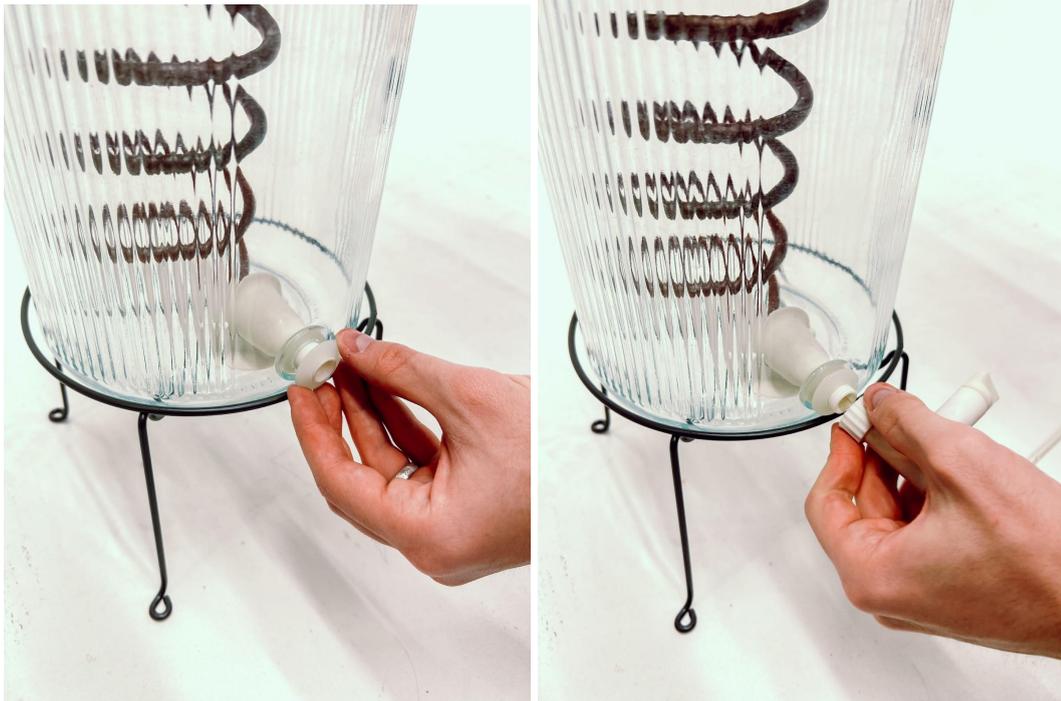
**Step 15:** Fit the coil onto the support previously hooked with the connector.



**Step 16:** Place the coil with the connector inside the bottle by passing it through the hole in the lower part of the dispenser.



**Step 17:** Hook the molded faucet to the coil.



**Step 18:** Fit the silicone support for the coil obtained in STEP 1 in the upper part of the glass dispenser and fit the coil into it.



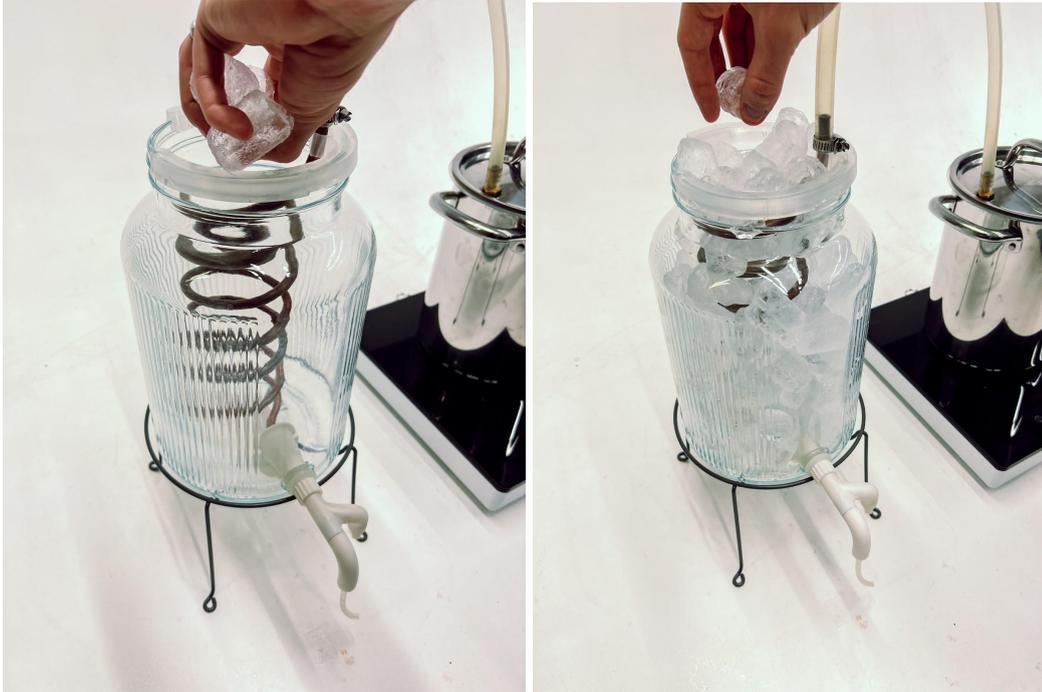
**Step 19:** Fit the silicone connection tube between the pan and the coil.



**Step 20:** Tighten the upper silicone tube to the coil with a metal clamp.



**Step 21:** Fill the dispenser with ice (2.5 kg).



**Step 22:** Place a container below the straight pipe to collect the hydrosol and oil.



**Step 23:** Turn on the stove at power 5.



**Step 24:** Begin the distillation process.

**Step 25:** Monitoring the ice, adding more if necessary keeping the coil completely submerged.

**Step 26:** If the container fills up when you add ice, open the second outlet of the tap and let the excess water drain out.



**Step 27:** After a cycle of one hour, turn off the stove.

**Step 28:** Leave the hydrosol mixed with the essential oil to rest in a container to let it separate.

**Step 29:** Before disassembling the product, leave it to cool for 10 minutes.

## 2. Warnings

During the distillation process, some components (pot, silicone tube and initial part of the coil) reach high temperatures, PAY ATTENTION! After switching it on, the process is autonomous; pay attention to the ice, supplementing it with new if necessary and that the container positioned for draining the cooling water is large enough.

## 3. How to clean Olea

Since the structure can be completely disassembled, the components can be washed individually. For a deeper cleaning it is advisable, every time you change the aroma, to carry out an empty distillation cycle to avoid possible oil contamination.

## 4. Credits

OLEA is a project developed by G.Chiggiato, I. De Biasi, C.Guarino, F.Montini, V.Rinaudo with the collaboration of Polifactory within the Distributed Design Platform project co-funded by the Creative Europe Programme of the European Union.

## 5. Download

OLEA files can be download at [Polifactory](#)

## 6. Contacts

Chiara Guarino: mail to [chiara2.guarino@mail.polimi.it](mailto:chiara2.guarino@mail.polimi.it)