

## Wiring diagram O-Box / Fluidmatic to Effect fire Endless and Hip

**O-Box - The fully automatic filling system with timer, reverse osmosis, filter system and pump support.**

Distribution:

Manufacturer:

THE FLAME GmbH

Schallerstraße 41 · A-6200 Jenbach

[www.theflame.at](http://www.theflame.at) · [info@theflame.at](mailto:info@theflame.at)

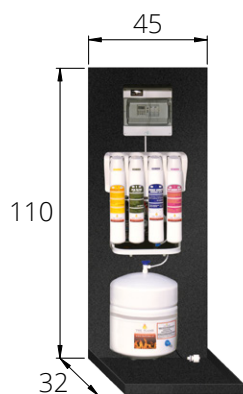
THE FLAME 01-2024



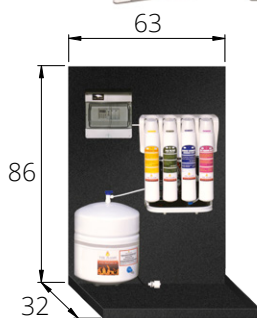
**O-Box**

External dimensions  
O-Box standard:  
approx. W 68 x H 87 x D 40 cm

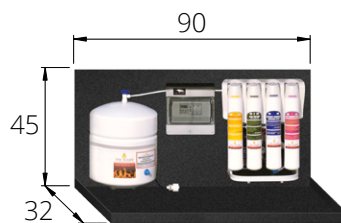
variants O-Box:



vertical



default



horizontal

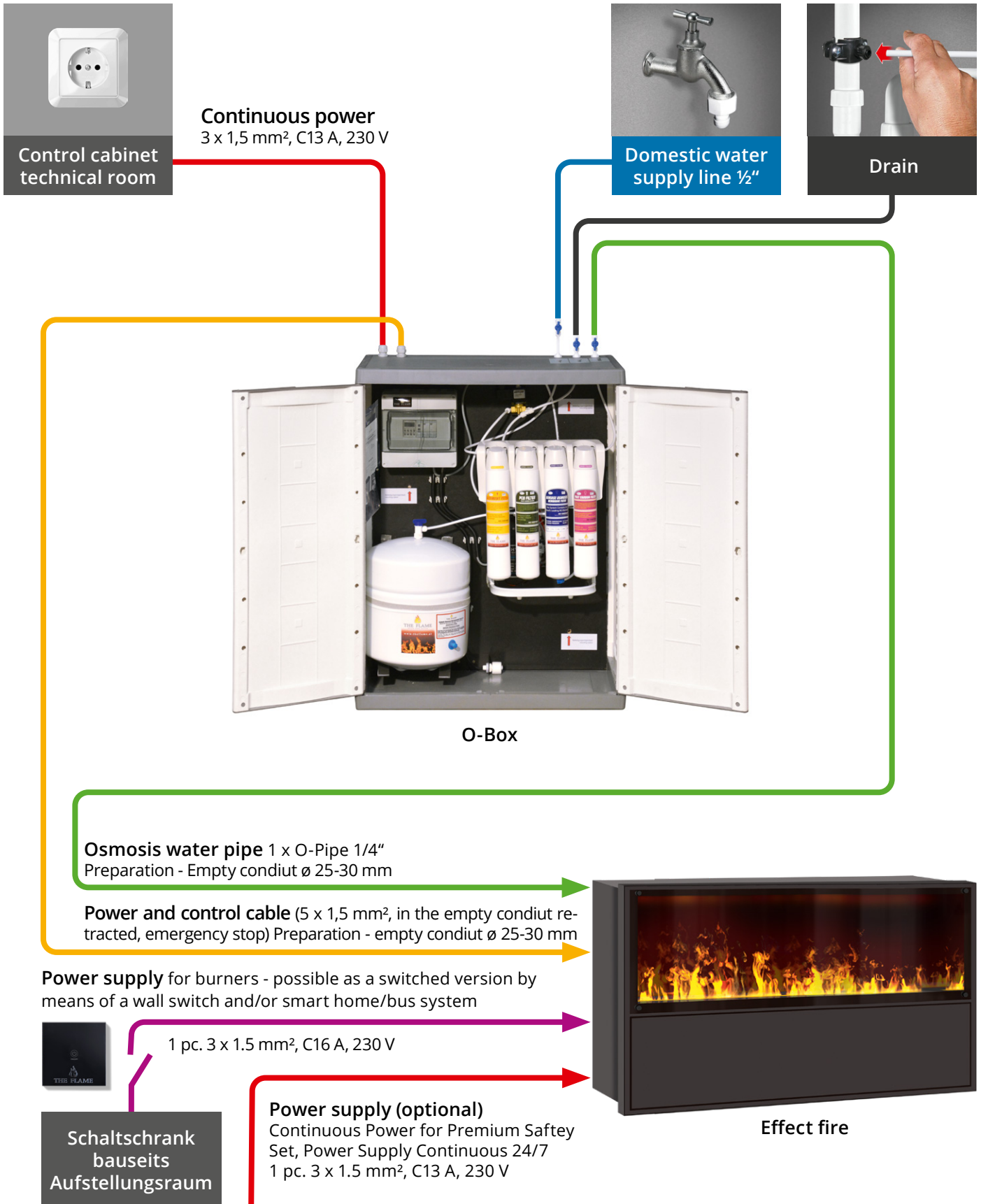


O-Box Steel



**Effect fire**

# Wiring diagram O-Box / Fluidmatic



# Electrical Connection for Power Supply



**Continuous power**  
3 x 1,5 mm<sup>2</sup>, C13 A, 230 V



O-Box

## Connection

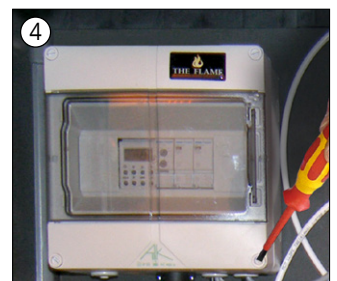
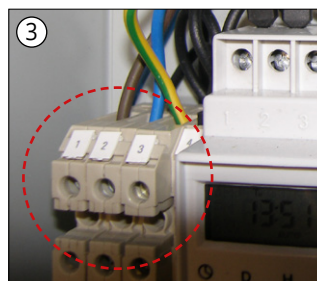
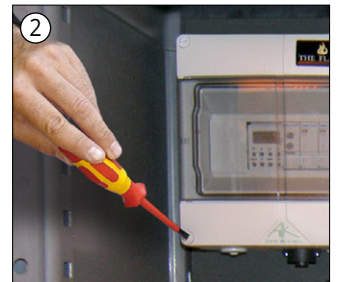
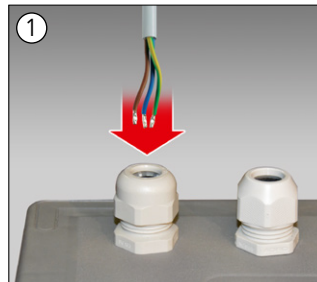
**By means of plug** ((standard O-Box) or clamping for direct connection:

The power supply for the O-Box must be provided by the customer using a 3-pole cable (3 x 1.5 mm<sup>2</sup>).

**Caution: Pre-fuse C13 A, 230 V.**



- ① The 3-pole cable of the power supply is fed through the top left-hand rear cable gland of the O-Box.
- ② Remove the cover of the control cabinet and push the 3-pole cable through the cable opening on the top of the control cabinet into the control cabinet.
- ③ Connect the 3-pole cable to the terminals provided (1=L, 2=N, 3=PE).
- ④ Screw the cover back onto the control cabinet.



## Control cabinet

- ⑤ Timer - here you can set the on/off times for one or more effect burners (see page 9).
- ⑥ T1 Time relay - controls the duration of the flushing phase - Normal/ Standard approx. 2 minutes.
- ⑦ K1 Float contactor - emergency off - overfill protection (float active - power off).
- ⑧ K2 Burner contactor - power for burner on/off.

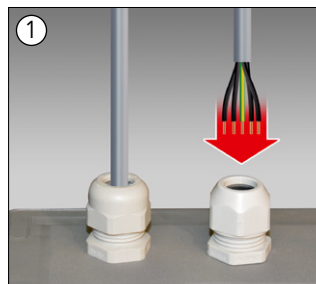


# Power supply effect burner

## Power supply effect burner

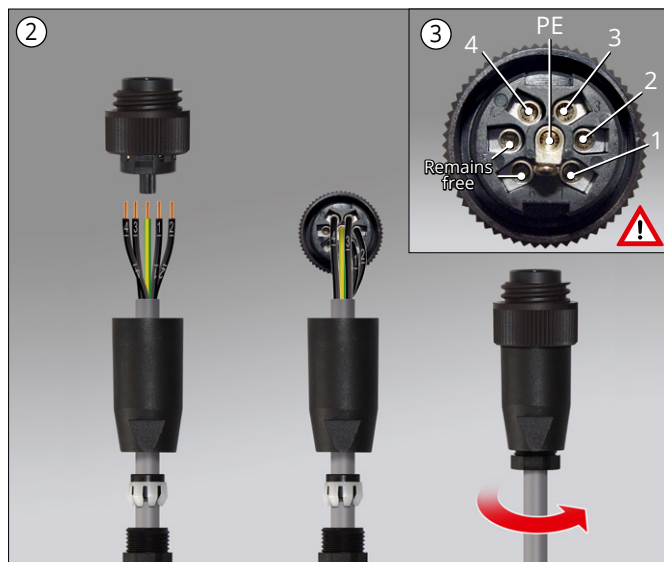
Determine the required length of the 5-pole cable (control cabinet to effect burner) and shorten it accordingly.

- ① Now push one end of the 5-pin cable through the front cable gland of the O-Box.



- ② Connect the 5-pole cable to the standard round plug (male) according to the illustrations.

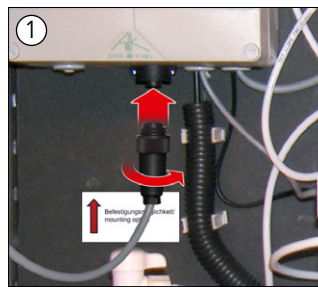
- ③ Pay attention to the correct assignment of the connections!



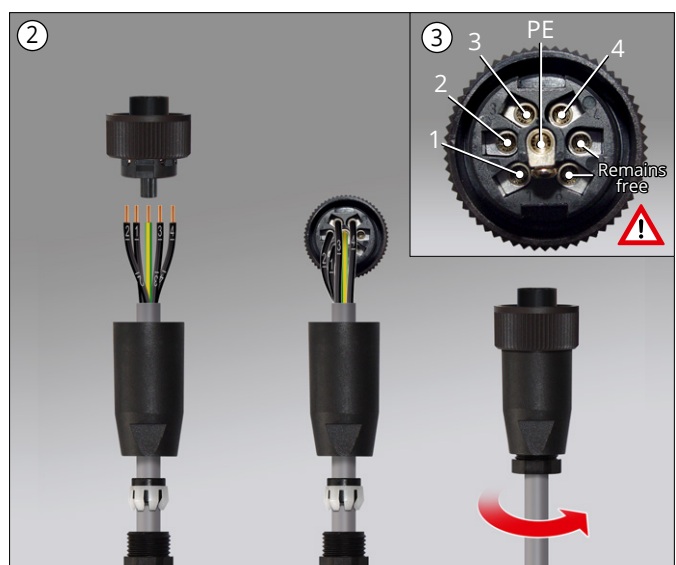
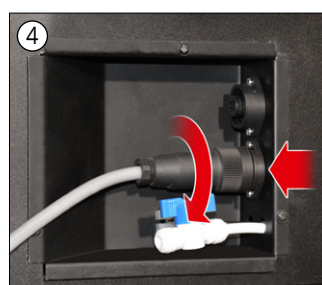


# Power supply effect burner

- ① Now plug the standard round connector (male) into the standard round connector (female) on the switch cabinet (bottom side) and screw it tight.

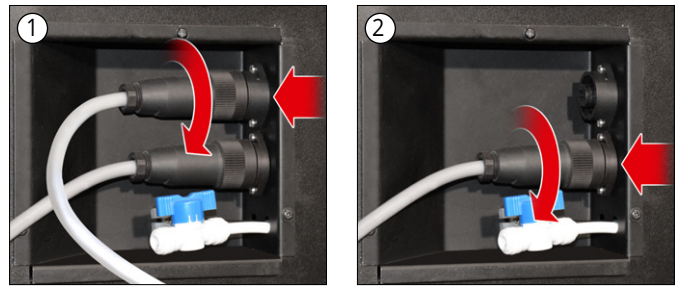


- ② Connect the other end of the 5-pin cable to the standard round plug (female) according to the illustrations.
- ③ Pay attention to the correct assignment of the connections!
- ④ Now plug the standard round connector (male) into the standard round connector (female) on the effect burner (lower connection) and turn it tight.

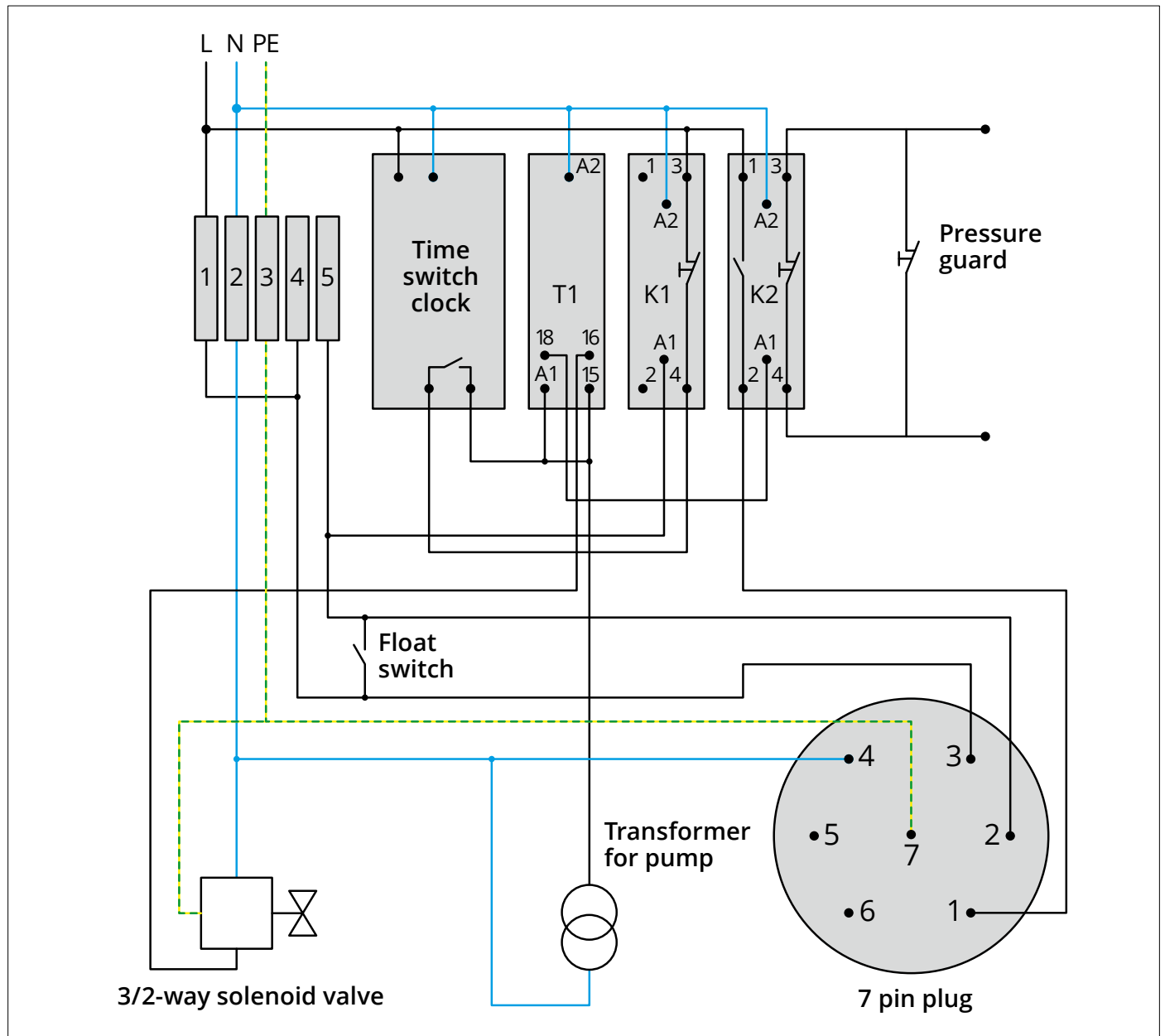


## Optional (multiple effect burners)

- ① If you use several effect burners, then connect the enclosed burner cable with the standard round connector (female) to the standard round connector (male) on the effect burner (upper connector) and screw it tight.
- ② Now plug the other end of the torch cable into the standard round connector (female) on the 2nd effect torch (lower connector) and screw it tight. Repeat this process with each additional burner.



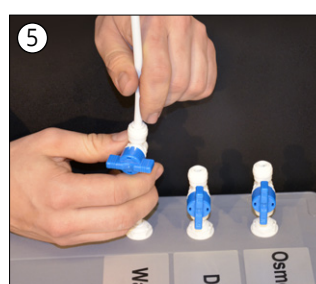
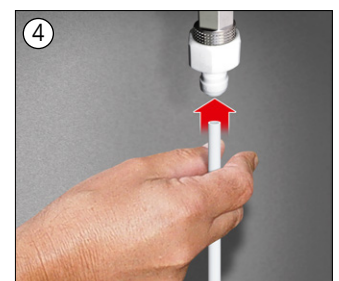
## Circuit diagram O-Box



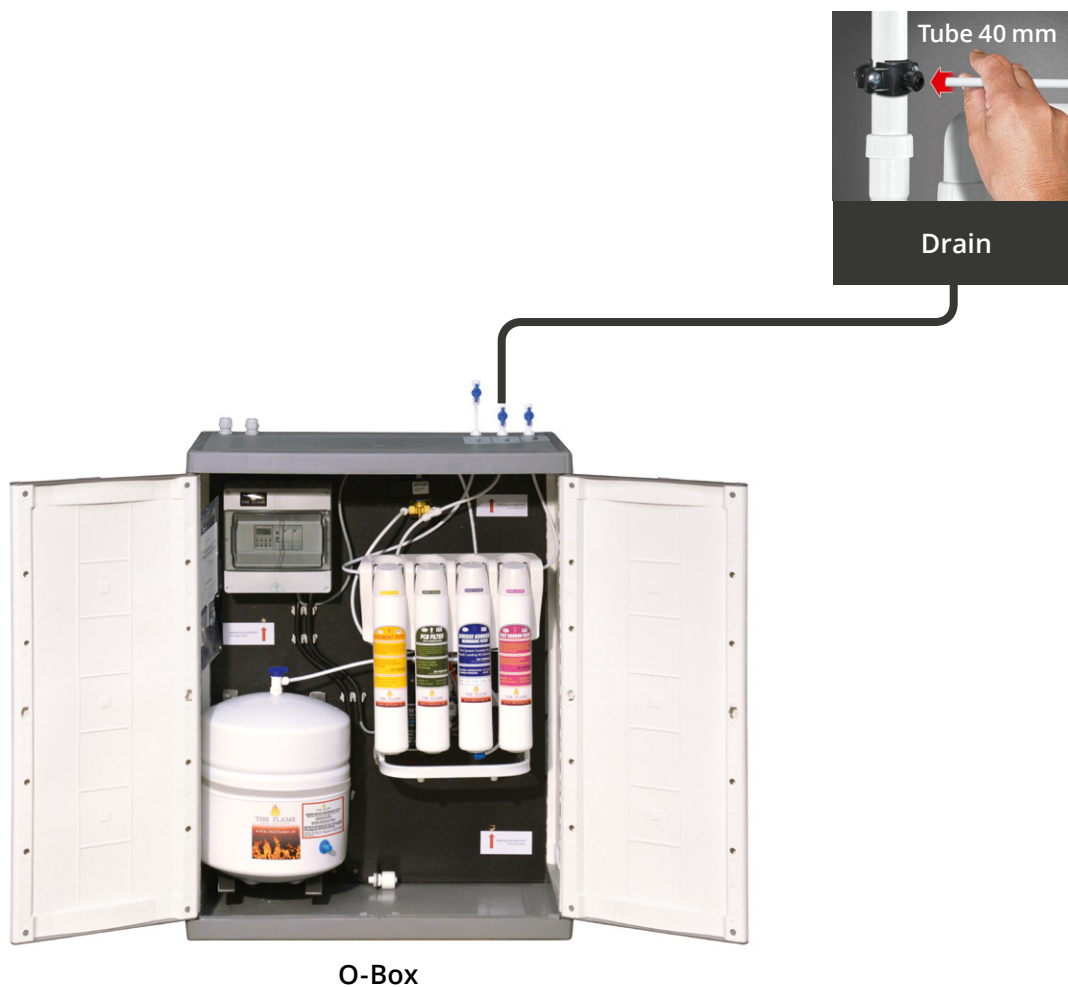
# Connection of the water supply line



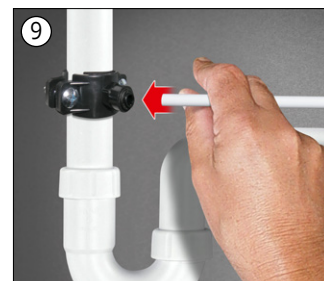
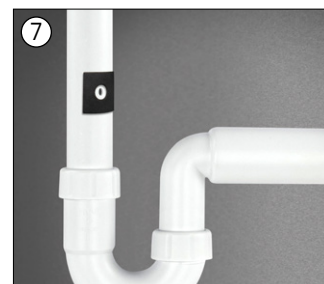
- ① If you use a water tap with a 1/2" connection for the water supply line, please screw the plastic adapter 1/2" directly onto the water tap (points 2 and 3 are not applicable).
- ② If your used water supply line has a 3/4" connection, then turn the 1/2" plastic adapter onto the 3/4" chrome-plated brass adapter first .
- ③ Connect the chrome-plated brass 3/4" adapter to the water supply with the 1/2" plastic adapter.
- ④ Determine the required length of the water hose (water tap to O-Box) and push one end of the hose into the plastic adapter.
- ⑤ Insert the water hose into the water connection (water/ water) provided on the O-Box. This is located on the top of the O-Box.



# Connection water drain pipe



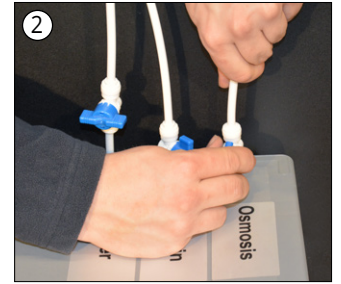
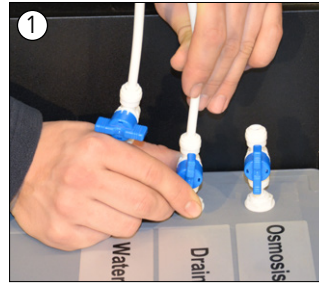
- ⑥ Drill an approx. 10 mm hole in the drain pipe provided for the drain above the siphon.
- ⑦ Peel off the backing material from the self-adhesive seal and stick the seal onto the drill hole.
- ⑧ Position the sealing clamp and screw it on tightly.
- ⑨ Determine the required length of the water hose (sealing clamp to O-Box) and push one end of the hose into the opening of the sealing clamp.





# Connection osmosis water

- ① Insert the water hose into the drain connection provided on the O-Box (drain). This is located on the top of the O-Box.
- ② Determine the required length of the water hose (effect burner to O-Box) and push one end of the hose into the osmosis connection (osmosis).



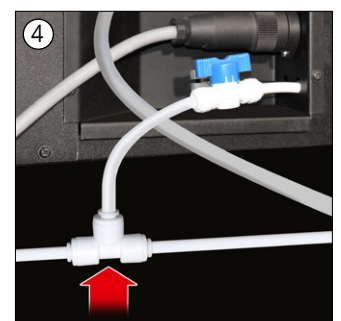
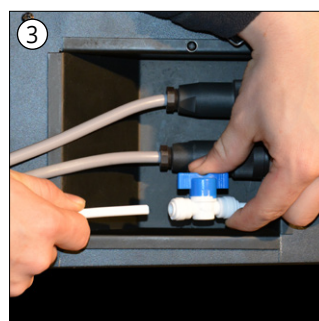
O-Box

**Osmosis  
water pipe**  
1 x O-Pipe 1/4"  
Preparation -  
empty conduit ø 25-30 mm



Effect fire

- ③ Insert the other end into the shut-off valve provided on the effect burner.



## Optional (multiple effect burners)

- ④ If you want to operate several effect burners with your O-Box, you will need one or more hose T-pieces for branching. Repeat this process with each additional burner.