

# ***Taifun***<sup>®</sup>

## **GT II / GT II Air**

### ***User Manual***

**english**



**IMPORTANT**

Please read these instructions carefully, before using your  
Taifun® GT II /GT II Air rebuildable tank atomizer.

Thank you for purchasing a Taifun® GT II / GT II Air. With this product you have purchased a high quality rebuildable tank atomizer, which has been designed exclusively for use with e-liquid. Before use it is necessary to install a coil of resistance wire (e.g. NiCr wire) and a suitable wick (e.g. cotton, silicate fiber) according to the instructions of this manual.

Furthermore, it is required to fill the atomizer with e-liquid after coil setup. If you are having trouble making a suitable coil, or if you have no previous experience with rebuildable atomizers, please contact your supplier or **[www.smokerstore.de](http://www.smokerstore.de)**.

After the attachment of a new coil, the resistance should be measured. To do this, use a multimeter or a suitable battery device with resistance measurement. If a short circuit is detected, the atomizer must never be put into operation. Short circuits can cause damage to the battery device and/or batteries. In this case, please correct the coil or make a new coil.

**IMPORTANT**

Please use only liquids which explicitly are intended for use in e-cigarettes.

The Taifun® GT II / GT II Air is made of high quality materials and has been thoroughly cleaned prior to delivery. Cleaning before use is not necessary. Any visible residues are clean water and glycerine used for pretreatment of o-rings.

If you want to clean the atomizer after longer use, a short rinse of all parts under warm water is sufficient.

Please thoroughly dry all parts before assembling the atomizer again. We also recommend that prior to assembly you moisten the o-rings with a little liquid or glycerine. This increases the durability of the o-rings and simplifies the assembly.

If an o-ring or an insulator is damaged, please replace it. The necessary spare parts are partially included in delivery and can be reordered via your supplier or **[www.smokerstore.de](http://www.smokerstore.de)**.

## Scope of delivery Taifun® GT II / GT II Air

- 1 x Rebuildable atomizer Taifun® GT II / GT II Air
- 1 x Info card for authenticity verification
- 1 x Drip tip GT II / GT II Air
- 1 x Sealing rings (spare parts)
- 1 x PTFE tubes (air channel reduction)
- 1 x Gift box

## Specifications

Diameter:	23 mm
Length (without Drip Tip):	57,4 mm
Weight:	approx. 97 g
Capacity:	approx. 5 ml
Material:	Stainless steel (1.4301), Borosilicate glass, PTFE (Polytetrafluorethylen)

## Attaching a coil



On the base there are two screws used to fasten the coil (positive and negative pole). The coil should be mounted centrally above the air outlet. Please make sure the coil doesn't touch the surrounding metal parts (e.g. chamber sleeve) to prevent a short circuit.

The wick is guided through the coil, and placed either in front of the openings of the chamber sleeve, or 0.5 - 1 mm passed through the opening. (See also: coil examples)



The chamber sleeve is inserted into the base. The already mounted chamber sleeve is designed for standard coils. In the optional LC-W 3.2 sleeve the liquid channels are milled out wider and allow the use of a wider wick, as well as a stronger liquid flow.

To change it, just pull the chamber sleeve out of the chamber with a slight twist.



When attaching the coil you may: a) remove the chamber sleeve by pulling it out with a slight twist to prevent any damage to the base o-ring or b) lower the chamber sleeve into the base.

After attaching the coil, the chamber sleeve must be carefully pulled up again until it clicks into place or lowered into the base.

### Note

The LC-W 3.2 sleeve is installed by default in the Taifun® GT II Air.

## Liquid control

The chamber cap is screwed with 1-2 turns on the chamber sleeve. When screwing it on is advisable to hold the chamber sleeve to prevent turning. Otherwise, the attached coil could move.

The o-ring in the chamber cap seals the chamber.

By further screwing the chamber cap on the chamber sleeve the opening of the liquid channel will be reduced even more. The correct position depends on the individual setting of the mounted coil and the wick material.

Tip: after attaching a new coil you should turn the chamber cap as far as possible, so that only a small opening is present. If necessary, this opening can be gradually increased later.

**Example:** Liquid control maximally opened.

**Example:** Liquid control closed maximum.



## Airflow control



The adjustment of the airflow is supplied via the AFC ring located on the underside of the base and has two differently sized slots. There are ten air holes under the AFC-ring in total (five on each side).



While on the one side the holes 1,3,5,7 and 9 are located, the holes 2,4,6,8 and 10 are placed on the opposite side. Through the slots in the AFC ring you can now alternately open or close another hole on each side.

You have the option either to adjust the air passage between one and ten open air holes.



### Example:

An average airflow with 6 holes opened. Three on the front and three on the back (not visible in the picture). Or three on the front and two on the back or one on the back and two in the front. You may also centrally open all 10 holes on both sides.

### Note

There are 17 holes in the Base of the Taifun® GT II Air. The AFC ring has four slots.



## Reducing the air channel

The diameter of the air hole in the evaporator chamber is 3 mm, and allows an extremely light draw at maximum open airflow control. During intense pre-fire or a wrong draw technique, it can theoretically happen that e-liquid will drop into the air hole.

The opening of the air channel can be reduced to 2 mm with a sleeve made of PTFE (included). As a result, the airflow is slightly lower and you get a small width of the air flow, causing intensification of flavor.

The sleeve should be completely inserted into the air channel, to prevent it from contact with the coil.

However, it must be ensured that the PTFE sleeve remains as flush as possible with the channel and will not be pushed too far into it.

Note: It is also possible to split the sleeve in half. The second piece can be used as a spare part, should the first half eventually be worn.

To remove the PTFE sleeve a small screwdriver or a bent paper clip is suitable.





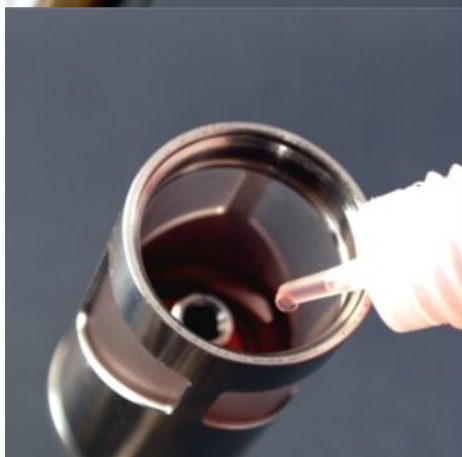
## Filling the tank



The tank of the Taifun GT II consists of the tank cover, tank insert made of borosilicate glass (optional: stainless steel), and a top cap with the air channel and a drip tip connection.



When filling the tank, the tank must be upside down. The liquid can now be poured into the tank.



It is important to ensure that the liquid is filled to maximum at the level of the sealing ring. Otherwise, if the atomizer is screwed together, liquid will be pressed into the evaporator chamber.

In case of overfilling, the liquid passes into the air channel.



When screwing the tank back onto the base, you should continue to keep the tank upside down.

## Changing the tank

To change the tank insert, the top cap has to be removed from the tank cover. The tank insert can now be removed and replaced. After replacing the tank insert, the top cap must be screwed on again. It is important to ensure that both o-rings (the one in the tank cover as well as the o-ring of the top cap) sits correct and seals the tank.

**Note:** The two o-rings have different sizes (19 / 20mm). Please note the correct placement of the o-rings (see also: assembly).

To use the XS-tank set (sold separately), the standard tank has to be unscrewed and the XS tank has to be screwed on. It is important to make sure that the top cap of the XS set is used, because this one includes a shorter air channel.

For individualization, various optional parts are available. From left to right: glass tank (standard), stainless steel tank (standard), double-window tank cover, standard tank cover, XS tank cover, stainless steel tank (XS), glass tank (XS).

A matching drip tip is included. Alternatively, any standard drip tip can be used.

**Note:** The displayed Drip Tips are for illustration only and not included.



## Adjusting the positive pole

On some devices, it may be necessary to adjust the positive pole of the Taifun® GT II / GT II Air to match the pole of the device.

For this purpose, the screw has to be screwed 1 or 2 turns with a suitable screwdriver.



Unscrewing the screw too far may cause damage to the positive terminal of the battery. Screw the positive pole only so far beyond as necessary to ensure a clean contact with the battery.



A: positive pole is completely screwed in

B: positive pole is unscrewed 1-2 turns

C: positive pole is unscrewed very far

Standard position of the positive pole.



## Special features of the Taifun® GT II Air

### AFC ring

The 4 slots are arranged in 90° angle. This will allow you to open or close between 1 and 16 holes in the AFC.



### AFC & Basis

In a 90° angle there are 4, 4, 4 and 5 holes arranged now.

At the top of the base there is an additional knurl. This helps screwing of the tank.



### Tank Hülse

The tank sleeve has an altered appearance, but is fully compatible.



### Drip tip

The drip tip has a 510 connection, but it is essential wider than a standard drip tip.



## Parts (GT II)

### Unit A

#### Base and evaporation chamber



- A1** Base
- A2** 3 x 0,5 x 9mm PTFE-sleeve (air channel reduction)
- A3** 11x1 mm o-ring
- A4** 17x1,5 mm o-ring
- A5** 17x1 mm o-ring
- A6** Spring
- A7** Countersunk screw M2 x 8mm
- A8** Screw M2x14mm (minus)
- A9** Screw M2x20mm (plus)
- A10** AFC ring
- A11** Chamber sleeve
- A12** Chamber cap
- A13** 11x1 mm o-ring

### Unit B

#### Tank and topcap



- B1** Tank cover
- B2** 20x1 mm o-ring
- B3** Glass insert
- B4** 4x1 mm o-ring
- B5** Topcap
- B6** 19x1 mm o-ring
- B7** Drip tip
- B8** 5x1,5 mm o-ring
- B9** 5x1,5 mm o-ring



## Assembly of unit A (GT II)



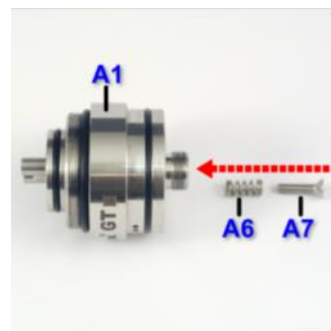
Pic. 1: The **PTFE seal (A2)** is inserted into the **base (A1)**, to reduce the air flow.  
This step is optional



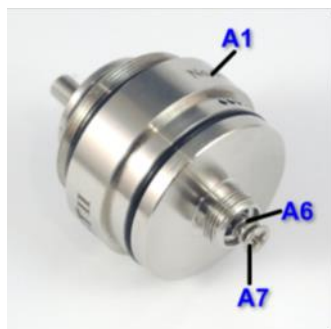
Pic. 2: The **o-rings (A3, A4, and A5)** will be attached on the **base (A1)**.



Pic. 3: The **base (A1)** should look like this, when all **o-rings (A3, A4, and A5)** are properly seated.



Pic. 4: First, the **spring (A6)** and then the **countersunk screw (A7)** are inserted into the 510 connection.



Pic. 5: The **countersunk screw (A7)** is tightened and forms the positive pole.



Pic. 6: Use a small screwdriver to adjust the **countersunk screw (A7)**/positive pole.



Pic. 7: The two screws for the **negative pole (A8)** and the **positive pole (A9)** can be inserted in the appropriate tubes in the **base (A1)**.



Pic. 8: You should now easily tighten the **screws (A8, A9)** with your fingers, so that they cannot fall out.



Pic. 9: The **AFC ring (A10)** is now pushed onto the bottom of the **base (A1)**. It will be held there by the **o-ring (A16)**.



Pic. 10: It is important to make sure that the **AFC ring (A10)** is inserted with the air slots to the top of the **base (A1)**. Then the air slots are positioned above the air holes.



Pic. 11: Now the **chamber sleeve (A11)** is placed on top of the **base (A1)**.



Pic. 12: On the **chamber cap (A12)** an **o-ring (A13)** is applied.

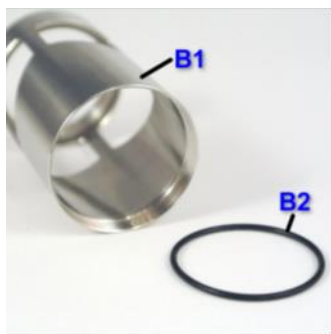


Pic. 13: Now you can screw the **chamber cap (A12)** to the **chamber sleeve (A11)**.

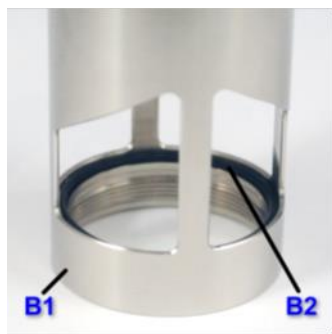


Pic. 14: **Unit A** is now ready.

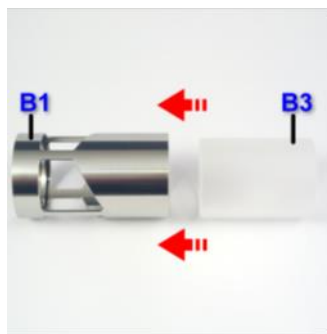
## Assembly of unit B (GT II)



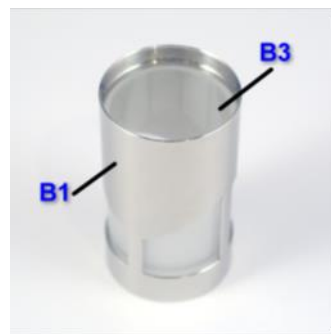
Pic. 17: The **o-ring** (B2) is inserted into the **tank cover** (B1) and ensures a good fit here later for the tank.



Pic. 18: The **o-ring** (B2) should be as closely as possible in the recess.



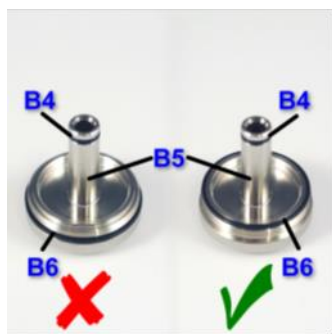
Pic. 19: Now the **tank insert** (B3) is pushed into the **tank cover** (B1).



Pic. 20: The **tank insert** (B3) can be pushed only from one side to the **tank cover** (B1).



Pic. 21: The **o-rings** (B4, B6) are attached on the **topcap** (B5).



Pic. 22: It is important to make sure that the **o-ring** (B6) is not pulled over the threads of the **topcap** (B5).



Pic. 23: Above the thread, there is a fine groove in which the **O-Ring** (B6) is attached.



Pic. 24: The **tank insert** (B3) is fixed by screwing the **tank cover** (B1) with the **topcap** (B5).



Pic. 25: **Unit B** is now ready.



Pic. 26: The two **units A** and **B** will now be screwed together. The chimney in the **topcap** (B5) seals the **chamber cap** (A12).



Pic. 27: Finally, the **drip tip** (B7) with the two **o-rings** (B8, B9) is attached.



Pic. 28: The Taifun GT II is now fully assembled

### IMPORTANT

It is recommended that you wet the o-rings with liquid, while assembling the Taifun® GT II / GT II Air. This allows the individual parts to screw much better.



## Parts (GT II Air)



- 1** Countersunk screw M2 x 8mm
- 2** Spring
- 3** Base
- 4** AFC ring
- 5** 11x1 mm o-ring
- 6** 17x1,5 mm o-ring
- 7** 17x1 mm o-ring
- 8** Screw M2x20mm (plus)
- 9** Screw M2x14mm (minus)
- 10** Chamber sleeve 3,2

- 11** 11x1 mm o-ring
- 12** Chamber cap
- 13** Tank cover
- 14** Glass insert
- 15** 20x1 mm o-ring
- 16** Topcap
- 17** 4x1 mm o-ring
- 18** 19x1 mm o-ring
- 19** Drip tip
- 20** 2x 5x1 mm o-ring

## Assembly (GT II Air)



**Pic 1:** The **countersunk screw** (1) and the **spring** (2) will be inserted into the **base** (3).



**Pic 2:** Therefore the **countersunk screw** (1) is screwed into the **spring** (2) first.



**Pic 3:** Now screw the **countersunk screw** (1) carefully into the 510 connection.



**Pic 4:** The **o-rings** (5,6,7) will be attached on the **base** (3).



**Pic 5:** The **base** (3) should look like this when all **o-rings** (5,6,7) are properly seated.



**Pic 6:** The two screws for the **positive pole** (8) and the **minus pole** (9) can be inserted in the appropriate tubes in the **base** (3).



**Pic 7:** You can now easily tighten the **screws** (8,9) with a little screwdriver.



**Pic 8:** You will need the **AFC ring** (4) now.



**Pic 9:** The **AFC ring** (4) is now pushed onto the bottom of the **base** (3). It will be held there by the **o-ring** (7).



**Pic 10:** Now the **chamber sleeve** (10) is placed on top of the **base** (3).



**Pic 11:** With slight pressure, the **chamber sleeve** (10) is pressed from above into the **base** (3).



**Pic 12:** On the **chamber cap** (12) an **o-ring** (11) is applied.



**Pic 13:** The **chamber cap** (12) should look like this.



**Pic 14:** Now you can screw the **chamber cap** (12) to the **chamber sleeve** (10).



**Pic 15:** The **o-ring** (15) is inserted into the **tank cover** (13).



**Pic 16:** The **o-ring** (15) should be as closely as possible in the recess of the **tank cover** (13).

## Assembly (GT II Air)



**Pic 17:** Now the **glass insert** (14) is pushed into the **tank cover** (13).



**Pic 18:** The **o-ring** (15) inside will now seal the **glass insert** (14).



**Pic 19:** The **o-rings** (17,18) are attached on the **topcap** (16).



**Pic 20:** It is important to make sure that the **o-ring** (18) is not pulled over the threads of the **topcap** (16).



**Pic 21:** The **topcap** (16) is now screwed onto the **tank cover** (13).



**Pic 22:** The **glass insert** (14) is fixed now inside the **tank cover** (13) and sealed by the **o-rings** (15,18).



**Pic 23:** Now the two **o-rings** (20) are attached on the **drip tip** (19).



**Pic 24:** The **drip tip** (19) is ready now.



**Pic 25:** The **base** (3) and the **tank** (13) will be screwed together.



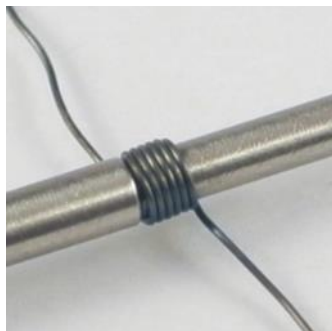
**Pic 26:** The Taifun® GT II Air is now fully assembled.

### IMPORTANT

It is recommended that you wet the o-rings with liquid, while assembling the Taifun® GT II / GT II Air. This allows the individual parts to screw much better.

The wire sizes and materials mentioned here are only examples. Other heating wires, different number of turns as well as larger / smaller diameter are also possible.

## Coil examples



**Pic. 1:** Make six turns with a 28 gauge NiCr wire on a winding tool with a diameter of 2.5 mm.



**Pic. 2:** Before attaching the coil the evaporator chamber is lowered by a slight pressure, into the base and snaps there noticeably.



**Pic. 3:** Attach the wire as centrally as possible between the two poles. The wire ends should be at the bottom.



**Pic. 4:** The wire is placed under the screws. These are then tightened carefully.



**Pic. 5:** Align the winding with the winding tool. Then remove the winding tool.



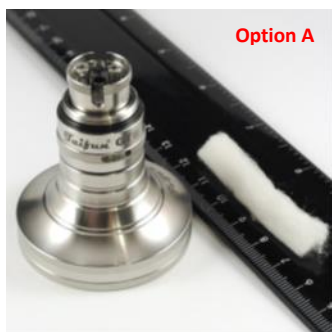
**Pic. 6:** The wires now shorten both sides with a pliers or other suitable tool.



**Pic. 7:** It is important to make sure that the ends of the wires are not touching the chamber sleeve.



**Pic. 8:** The coil should now be exactly in the middle and floating around 1-1.5mm over the air hole.



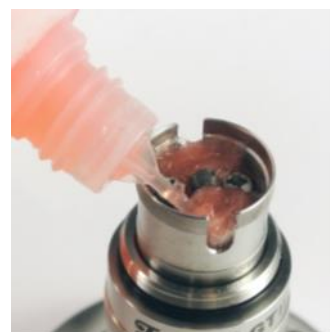
**Pic. 9:** Now you need an about 2-4 mm wide cotton strip which is passed through the winding.



**Pic. 10:** You may reduce the cotton so that it fits tightly, but can still move in the winding.



**Pic. 11:** Spread the cotton inside the evaporator chamber.



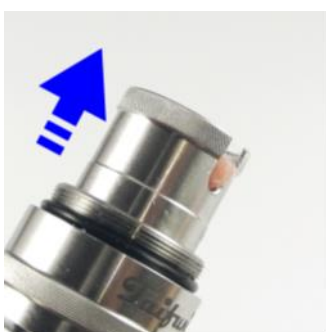
**Pic. 12:** Wet the cotton well before closing the evaporator chamber.



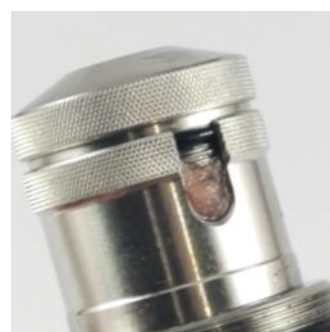
**Pic. 13:** Now adjust the cotton so that liquid can be well received.



**Pic. 14:** The cotton wool now fills the evaporator chamber well and evenly.



**Pic. 15:** The chamber sleeve is then pulled gently until it locks into place.



**Pic. 16:** When placing the chamber cap, make sure that the channels remain open enough.



The wire sizes and materials mentioned here are only examples. Other heating wires, different number of turns as well as larger / smaller diameter are also possible.

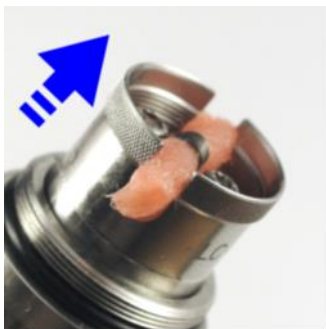
**Option B**



**Pic. 17:** The cotton is passed through the openings of the evaporator chamber to the outside.



**Pic. 18:** The cotton is wetted with liquid, and shortened laterally so that approx. 0.5-1 mm gets outside the evaporation chamber.



**Pic. 19:** The chamber sleeve is then pulled gently until it locks into place.

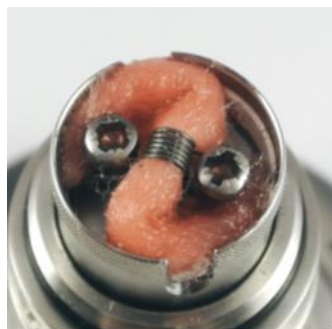


**Pic. 20:** The chamber cap is screwed on. Please make sure that the cotton is not cut off.

**Option C**



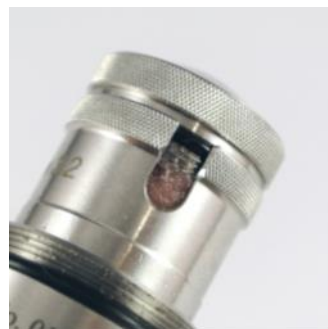
**Pic. 21:** The cotton should be positioned in a s-shape inside the evaporator chamber



**Pic. 22:** Then the cotton is wetted with liquid



**Pic. 23:** The chamber sleeve is then pulled gently until it locks into place.



**Pic. 24:** After screwing the cap, the liquid openings should be covered by the cotton on both sides.

**Option D**



**Pic. 25:** A winding with silicate fiber (e.g. 3mm) is also possible.



**Pic. 26:** In this example, the fiber is taken twice and wrapped with 32 gauge NiCr wire.



**Pic. 27:** Using a winding tool (e.g. a paper clip), the winding is aligned.



**Pic. 28:** After tightening the wires, the winding tool can be removed, and the winding can be corrected again, if necessary.



**Pic. 29:** The wire ends are cut flush as possible.



**Pic. 30:** The chamber sleeve is then pulled gently until it locks into place.



**Pic. 31:** Overhanging fibers are cut off on both sides.



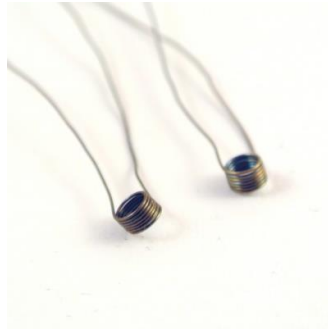
**Pic. 32:** The fibers should reach approximately 0.5-1 mm out of the sleeve.

The wire sizes and materials mentioned here are only examples. Other heating wires, different number of turns as well as larger / smaller diameter are also possible.

### DUAL COIL



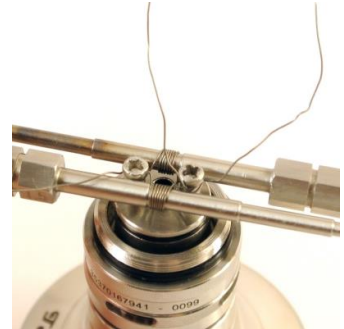
**Pic 1:** The two screws will be unscrewed a bit.



**Pic 2:** You need two identical coils.



**Pic 3:** With a winding aid the first coil is mounted on the side and the screws tightened slightly.



**Pic 4:** In the same way, the second winding is mounted. The windings are aligned with the winding aid.



**Pic 5:** Once the screws have been tightened, the winding aid can be removed.



**Pic 6:** Wire ends are removed.



**Pic 7:** The distance between the two coils to the air hole should be the same.



**Pic 8:** The upper edge of the coils should be at the height of the screw heads.



**Pic 9:** Also the distance to the screws should be identical for both coils.



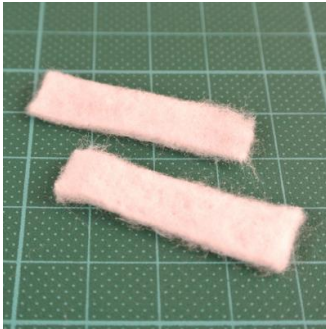
**Pic 10:** The windings must not touch the chamber sleeve.



**Pic 11:** You can test this by pushing the chamber sleeve in the base.

The wire sizes and materials mentioned here are only examples. Other heating wires, different number of turns as well as larger / smaller diameter are also possible.

#### DUAL COIL



**Pic 1:** You will need two stripes of cotton (approx. 1 x 4cm each).



**Pic 2:** The cotton will be pulled through both coils.



**Pic 3:** You may reduce the cotton somewhat by compressing the ends with the fingers slightly.



**Pic 4:** The cotton is folded up and the chamber sleeve is pulled over it.



**Pic 5:** Push the chamber sleeve into the base now.



**Pic 6:** The ends of the cotton are placed crosswise and guided through the openings of the chamber sleeve.



**Pic 7:** Repeat this on the other side.



**Pic 8:** Die Kammerhülse wird nun vorsichtig nach oben gezogen. Die Watte nun ggf. noch etwas verteilen, so dass diese immer noch locker sitzt.



**Pic 9:** The cotton is cut off outside, flush with the chamber sleeve.



**Pic 10:** Now you can screw on the chamber cap.





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