



STORZ & BICKEL GMBH & CO. KG



**Crafty**<sup>®</sup>

## INSTRUCTIONS FOR USE

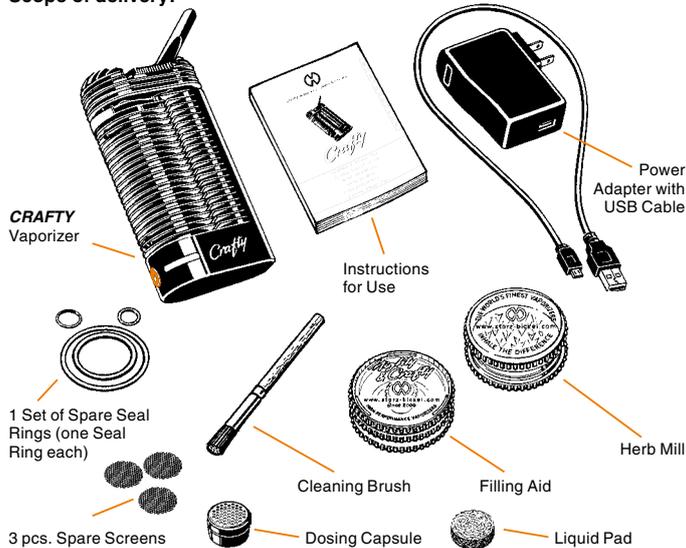
Read carefully before using the device  
and save these instructions.

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## 1. PRODUCT OVERVIEW *CRAFTY* VAPORIZER

### Scope of delivery:



(optional accessory: 12 Volt Car Charger)

Please check whether all components have been included. If not, please inform the Storz & Bickel Service Center.

In the case of technical problems, questions about the device, repairs, warranty claims and disposal of the device, customers in the US and Canada should contact the following address:

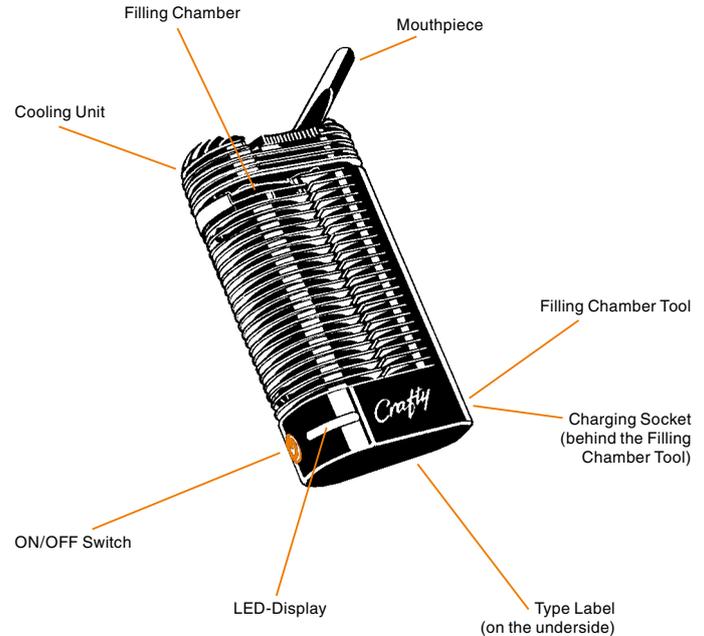
**Storz & Bickel America, Inc.**  
1078 60th Street, Suite A · Oakland, CA 94608

All other customers should contact this address:

**Storz & Bickel GmbH & Co. KG**  
In Grubenäcker 5-9 · 78532 Tuttlingen, Germany

## 1. PRODUCT OVERVIEW *CRAFTY* VAPORIZER

### *CRAFTY* Vaporizer functional elements:



## 2. SAFETY RECOMMENDATIONS



Read the following safety recommendations thoroughly and carefully before using the device.

These Instructions for Use are a significant part of the Vaporizer and power adapter and must be provided to the user.

The instructions given in these Instructions for Use must be strictly observed as they are extremely

important to ensure safety during installation, use and maintenance of the Vaporizer and power adapter.

Please keep this brochure in a safe place for future reference.

You may download the current Instructions for Use for the *CRAFTY* on [www.storz-bickel.com](http://www.storz-bickel.com).

### Explanation of symbols



Please follow these instructions carefully!



#### Safety recommendations!

In order to avoid injuries to persons and damage to the equipment, it is mandatory to observe instructions marked with this symbol.



#### Note/Tip!

This symbol always gives you technical information or useful tips regarding the Vaporizer.



Symbol for the manufacturer - the manufacturer's name and address are next to the symbol



The device was introduced after 13 August 2005. It may not be disposed of in normal household waste. The X on the trash can indicates the necessity of disposing of this device separately. The device contains a built-in rechargeable lithium-ion battery that must be discharged before disposal.

## 2. SAFETY RECOMMENDATIONS



EU conformity symbol:

The manufacturer confirms with this symbol the compliance of the product with the applicable European directives and standards.



Safety tested and production monitored by TUEV SUED according to EN 60335-1, UL 499 and CAN/CSA-22.2 No. 64-M91.



#### Caution! Hot surfaces!

Do not touch metal parts!



Keep away from sunlight.



Protect against moisture and humidity.



DC (direct current)

### The following symbols relate to the power adapter:



Safety Category II device



UL Recognized Component Mark: This symbol indicates that the corresponding devices are listed by UL.



UL - Underwriters Laboratories: This symbol indicates that the corresponding devices are listed by UL.



Restriction on the use of certain hazardous substances in electrical and electronic equipment



Efficiency Level 5  
Efficiency of power adapter



Symbol for FCC declaration of conformity  
(electromagnetic interference approval in the USA)

## 2. SAFETY RECOMMENDATIONS



Equipment with this symbol may only be used in the house (dry surroundings).



The lightning flash with arrowhead symbol within an equilateral triangle alerts the user to the presence of uninsulated, dangerous voltage within the system enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.



The China Compulsory Certificate (CCC) is a certification system that applies in China.

### Safety Recommendations

- The packaging material (plastic bags, boxes etc.) must be kept out of the reach of children as it is a potential source of danger.
  - People who require assistance must be supervised constantly during application. Such persons often underestimate the hazards involved (e.g. strangulation with the USB cable of the power adapter), so resulting in injury.
  - The device contains small parts which can block the respiratory tract and lead to choking. Therefore, make sure that you always keep the Vaporizer and accessories out of the reach of babies and infants.
  - When charging the battery, only use the power adapter supplied with the Vaporizer or the 12 Volt car charger available as an accessory from Storz & Bickel. The use of products from other sources can damage the battery.
- If you have any concerns, ask a specialist to check whether the electrical system is in accordance with the local safety regulations.
  - If there are any problems during operation, immediately pull out the power adapter from the socket.
  - The USB cable of the power adapter must be unwound over its entire length (avoid rolling up and laying the coils over each other). It must not be exposed to any impacts and must be kept out of the reach of children. Also, it must not be kept near liquids or sources of heat and must not be damaged. Do not wind the USB cable of the power adapter tightly, nor pull it over sharp edges and never crush or kink it. If the mains USB cable is damaged, please contact our Service Center to have it replaced. Never try to repair a power adapter USB cable yourself!
  - The use of multiple sockets and/or extension cables is not recommended.

## 2. SAFETY RECOMMENDATIONS

ed. However, if this is absolutely necessary, only products with a quality certificate (such as UL, IMQ, VDE, +S etc.) may be used, provided the specified power exceeds the power required (A=Ampere) by the devices that are connected.

- After use, the Vaporizer must be placed on a stable, flat surface. To be used only at a sufficient distance away from heat sources (ovens, stoves, fireplaces), and in locations where the ambient temperature cannot drop below +5°C (+41°F). Store the Vaporizer and power adapter in a dry place protected against the effects of weather and out of the reach of children or unqualified persons. It cannot be used in damp locations (such as bathrooms etc.).
  - Do not operate the Vaporizer close to flammable objects such as curtains, tablecloths, or paper.
  - Keep the Vaporizer and power adapter away from pets (e.g. hamsters, mice) and other animals which could damage the insulation of the power adapter USB cable.
  - The Vaporizer and power adapter may only be repaired by our Service Center. Incorrectly performed repairs without the use of original spare parts can prove dangerous to the user.
  - Danger to life when opening the power adapter as live components and connections are exposed.
- The Vaporizer must never be repaired or transported when the power adapter is plugged in.
  - The Vaporizer and power adapter must never be operated when the power adapter USB cable is faulty.
  - Do not put any objects into the openings of the device.
  - Do not leave the Vaporizer unattended while it is being operated. After use, switch off the heater.
  - The ventilation slots and the hot air outlet of the Vaporizer may not be closed, obstructed, or blocked while the device is being used, nor while it is cooling down.



### Caution! Hot surfaces!

- The Filling Chamber is made of metal; do not touch it when it is hot.
- Before cleaning, disconnect the power adapter from the socket. The Vaporizer and the power adapter should be cleaned only with a dry cloth - or a damp cloth if absolutely necessary. Never immerse the Vaporizer or the power adapter in water or any other liquid, nor clean it with direct jets of water or steam.
- The Vaporizer and the power adapter must not be used in damp or wet conditions.
- Do not expose the Vaporizer or the power adapter to rain. Do not use in the bathroom or above water.

## 2. SAFETY RECOMMENDATIONS

- ▶ Never touch the Vaporizer or power adapter with wet or damp parts of the body.
- ▶ Never operate the Vaporizer or power adapter when it is wet or damp. If the Vaporizer or the power adapter gets wet, it must be checked by our Service Center for damage to electrical components.
- ▶ Do not use in an atmosphere with risk of explosion or ignition.
- ▶ Never allow the Vaporizer or the power adapter to be used by children or unqualified persons.
- ▶ Only use original Storz & Bickel accessories and spare parts.



**The manufacturer is not responsible for any damage or personal injury caused by inappropriate, incorrect or irresponsible use.**

## 3. INTENDED USE

The **CRAFTY** Vaporizer releases fragrances or aromas from the herbs and other plant materials listed below. These aromatic substances are released through vaporization by heated air, and may be directly inhaled.

The device may only be used with the recommended vaporizing media. The use of other substances can present a health risk.

The **CRAFTY** Vaporizer is not intended for medical/therapeutic purposes.

## 4. OVERVIEW OF PLANTS

Below is an overview of the plants that are suitable for vaporization in the **CRAFTY** Vaporizer.

The aromas and fragrances from the plant materials listed below may be vaporized.\*

Any other use is inappropriate and potentially dangerous.

Plant name	Botanical name	Portion of the plant used	Temperature-setting
Eucalyptus	Eucalyptus globulus	the leaves	130°C (266°F)
Hops	Humulus lupulus	the cones	154°C (309°F)
Chamomile	Matriarca chamomilla	the blossoms	190°C (374°F)
Lavender	Lavandula angustifolia	the blossoms	130°C (266°F)
Lemon balm	Melissa officinalis	the leaves	142°C (288°F)
Sage	Salvia officinalis	the leaves	190°C (374°F)
Thyme	Thymus vulgaris	the herb	190°C (374°F)



### WARNING:

Please consult your doctor or pharmacist if you have any medical concerns. It is possible that some plants may cause allergic reactions for the user. If this occurs, it is urgently recommended to refrain from further use of such plants.

Only use the plant parts which are found in this list and which have been verified according to the regulations of the European or any other pharmacopoeia with regard to genuineness, purity and pathogenic germs. You can purchase such plants or plant parts in pharmacies.\*

It is important to observe the following instructions in order to set the **CRAFTY**

Vaporizer with the plant material in the best possible way for your personal requirements.

\*This statement has not been evaluated by the FDA. The **CRAFTY** Vaporizer is not a medical device and is not intended to diagnose, treat, cure or prevent any disease.

## 5. FACTORS INFLUENCING VAPORIZATION

The amount of aromas and fragrances released can be influenced by the following factors:

1. **Quality:** The amount of aroma or fragrance contained in the respective plant material that can be vaporized.
2. **Quantity:** The amount of vaporization material in the Filling Chamber.
3. **Surface:** The finer the plant is ground, the greater the surface and the more aromas and fragrances can be released during the vaporization cycle.
4. **Temperature:** The higher the temperatures, the more aromas and fragrances will be released at once.

Please note: Increasing the temperature should be the last resort, because plant material tastes more roasted when using higher temperature.

Since the plant ingredients are released in a gentle manner, the vaporization cycle may be repeated with the same contents in the Filling Chamber. Depending on the four factors described above, the Filling Chamber contents may be reused multiple times until the aromas and fragrances are released completely.

If no more vapor is produced at the highest temperature, then the vaporization material is completely exhausted and must be replaced with new material. However, for the best aroma results it is advisable to replace the vaporization material before this point.

## 6. THE CRAFTY VAPORIZER

### Unpacking

The box contains all components as well as the Instructions for Use. Keep the Instructions for Use for future reference.

Remove the Vaporizer and the accessories from the box. Immediately after unpacking, check whether the Vaporizer, the accessories, the power adapter and the device plug are all included in the delivery and work properly. If you notice any defects, inform the seller or the delivery agent immediately.



The packing material (plastic bags, boxes etc.) must be kept out of the reach of children as it is a potential source of danger.

Please dispose of the packing material in a proper and environmentally friendly manner.

We recommend keeping the original packaging in case it is required later (transport, Storz & Bickel Service Center etc.).

## 6. THE CRAFTY VAPORIZER

### Power Connection

Before connecting up the Vaporizer, make sure that the information given on the power adapter type label corresponds to the local power supply voltage.

All parts of the electrical system must comply with currently applicable official regulations.

Place the heated Vaporizer only on a hard, stable surface, and not on any soft or heat-sensitive material.

Take care that the power adapter USB cable cannot be damaged through kinking, crushing or pulling.



Improper installation may lead to personal injury or material damages, for which the manufacturer cannot be held responsible.

### Application and Operation



This Vaporizer was developed for vaporizing the plant materials listed in the plant overview. Any other use is inappropriate and potentially dangerous.

The user should always follow the instructions listed here for use and maintenance.

If you have any concerns, or if there are any problems immediately switch off the Vaporizer and pull the power adapter cord, if used, from the socket. Do not try to remedy the defect yourself. Contact our Service Center directly.

After using the Vaporizer and power adapter, allow them to cool down before placing them in storage.

### Storage

Store the Vaporizer and the power adapter in a dry place protected against the effects of weather and out of the reach of children or unqualified persons.

### In Case of Problems

If the power adapter has been in use, unplug it at the socket and ensure that no one can connect the Vaporizer to the mains supply again without this being noticed.

Before any maintenance work is done, the Vaporizer has to be switched off and the power adapter unplugged from the power supply.

Put the Vaporizer in the original packaging, or pack it properly in other packing material, and send it to our Service Center.

**Possible faults / Troubleshooting**

Problem	Possible cause/remedy
<b>CRAFTY</b> cannot be switched on.	Please ensure that the <b>CRAFTY's</b> battery is charged. If the Vaporizer still does not work, then the device is faulty. In this case, get in touch immediately with our Service Center.
The LED display of <b>CRAFTY</b> flashes alternately red/blue.	Battery temperature is either too high or too low. Allow the hot Vaporizer to cool down or the cold Vaporizer to warm up.
The LED display of <b>CRAFTY</b> flashes blue.	Battery is completely discharged. Please connect the charger.
The LED display of <b>CRAFTY</b> flashes alternately red/green.	The power adapter or the USB cable is not suitable. Please use an original Storz & Bickel power adapter and USB cable or 12 Volt car charger.
The LED display of <b>CRAFTY</b> flashes alternately red/orange.	The Vaporizer is faulty. In this case, disconnect from the mains without delay and get in touch immediately with our Service Center.

 If the preceding tips do not yield the desired results, or for any other defects or problems not mentioned here, please unplug the power adapter and contact our Service Center immediately.

 Do not open the Vaporizer or the power adapter! Without special tools and specialized knowledge, any attempt to open either of these devices will cause damage to them. Such an attempt will invalidate the warranty claim.

Do not try to remedy the defect yourself. Contact our Service Center directly.

**Disposal**

If the Vaporizer or the power adapter is irreparably damaged, please do not simply throw them away. As they are made of high quality, completely recyclable component parts, they should be brought to a material recycling center in your town or sent to our Service Center for disposal.



Do not leave the device unattended during operation. Place the **CRAFTY** Vaporizer only on a hard, heat-resistant, flat, stable surface, never on soft surfaces or flammable material. Check whether the power supply voltage corresponds to the voltage rating listed on the power adapter. The power adapter and USB cable must be in perfect condition. Connect the power adapter only to a properly installed socket.

The manufacturer will not bear any responsibility whatsoever if this accident prevention measure is not taken. Please unplug the power adapter from the mains socket to completely disconnect from the mains power supply.

**7.1. Charging the Battery**

The battery charge status is signaled by the blue light on the LED display.

Explanations on the battery display during the charging operation:

- **Steady blue light:** the battery is fully charged.
- **Blue, slow-flashing light:** the battery is between 61 and 96% charged
- **Blue, rapidly flashing light:** the battery is between 31 and 60% charged
- **Blue flashing:** the battery is up to 30% charged

Explanations of the battery display following switch off:

- **Steady blue light:** the battery is between 64 and 100% charged

- **Blue, slow-flashing:** the battery is between 32 and 64% charged
- **Blue, rapidly flashing:** the battery is between 1 and 32% charged
- **Blue flashing:** battery is completely discharged



Check the housings of the Vaporizer and the power adapter for signs of damage each time before using or charging. The Vaporizer may not be charged and neither Vaporizer nor power adapter used if these are damaged.

The battery charge of the new product has a level of up to 80%. Fully charge before using for the first time.

The charging time for the battery depends on how old it is and how high the charge is on starting; it takes about two hours if the battery is completely discharged.

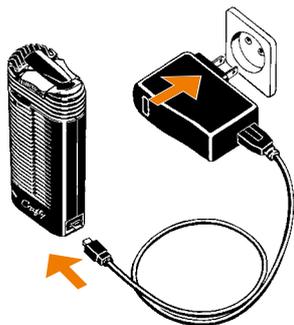
Connect the USB cable to the charging socket of the Vaporizer and to the power adapter. Then plug the power adapter into a suitable power socket.

Note: When the power adapter is plugged into the mains, the LED display lights up in green/red/blue for a moment and the Vaporizer vibrates briefly. This serves as a functional check and indicates that the charging operation has started.

The LED lights up and starts to flash, i.e. the battery is being charged. As soon as the battery is fully charged, the charge indicator lamp stops flashing and shows a steady blue light.

Once the charging operation is complete, first disconnect the power adapter from the mains socket and then unplug from the Vaporizer.

! The battery can also be charged via the optional 12 volt Car Charger. Connect the 12 volt Car Charger to the power socket of the Vaporizer using the USB cable and then plug the Car Charger into the socket in the car for the cigarette lighter, or any other suitable 12 V socket. Charge and complete the operation in the same way as with the power adapter (see Chapter 7.1. "Charging the Battery", page 15).



Connecting the Vaporizer using the power adapter or 12 volt Car Charger



Batteries are specially assembled consumable items that can only be replaced by Storz & Bickel when the **CRAFTY** Vaporizer is sent in to them.

Any attempt by the customer to replace the battery by him/herself is potentially dangerous and leads to loss of any claims under the warranty and exempts Storz & Bickel from any liability.

### Mains Operation

The **CRAFTY** Vaporizer cannot be operated with the power adapter if the battery is completely discharged. The battery must be first, at least partially, charged. Proceed as described in Chapter 7.1. "Charging the Battery", page 15 and then connect up the Vaporizer.

### Automatic Switching Off

The automatic switching off is used to save battery capacity so that the Vaporizer can be used as long as possible without charging.

The device switches off automatically one minute after the last press of a button or the last application. The switching off of the Vaporizer is indicated by a short vibration and by displaying the charged state.



A short press of the ON/OFF switch during operation can reset the automatic switching-off to one minute.

### 7.2. Heating Up

The **CRAFTY** Vaporizer provides two temperature levels that are set in the factory: The basic temperature at 180°C (356°F) and the booster temperature at 195°C (383°F).



Both the basic and booster temperatures can be altered using a smartphone and the **CRAFTY** App (see Chapter 11.4. "Setting Temperature with the **CRAFTY** App", page 28).

Switch on the device (heating up the Vaporizer with full Filling Chamber and Cooling Unit mounted is recommended). To do this, press the orange ON/OFF switch for at least half a second. The Vaporizer responds with a short vibration. The vibration does not take place if there is a fault.

The LED display indicates the heating operation up to the basic temperature by a steady red light. Heating up the heat exchanger can take up to two minutes, depending on the temperature setting and battery charge level. Once the basic temperature is reached, this is signaled by a short double vibration and a steady green light.

If the basic temperature can no longer provide adequate evaporation, the booster temperature can be activated by means of a double-click on the orange-colored ON/OFF switch. The LED displays the heating-up operation for the booster temperature by a

red flashing signal. Once the booster temperature is reached, this is signaled by a short double vibration and a green flashing signal.

### 7.3. Temperature Setting

The levels for the basic and booster temperatures can be altered with the aid of a smartphone and the **CRAFTY** App. See Chapter 11. "**CRAFTY** App", page 26.

### 7.4. Reset to Default Settings

It is possible to reset settings (see Chapter 11.1. "Default Settings", page 26) which were changed using the **CRAFTY** App. The reset is made by pressing the ON/OFF button for ten seconds while the **CRAFTY** Vaporizer is switched on.

If the ON/OFF button has been pressed for ten seconds, the signaling of the reset is made by the following running lights sequence: red/green/blue/red/green/blue/red/green/blue. The **CRAFTY** Vaporizer also vibrates while the lights sequence is running.

## 8. FILLING THE FILLING CHAMBER

Turn the Cooling Unit with a 90° rotation counterclockwise in order to remove it from the Vaporizer.



Removal of Cooling Unit (with Mouthpiece)

Always fill the Filling Chamber completely up to the plastic rim with ground plant material. Do not com-

press the plant material too much so that the airflow is not unnecessarily impeded. Remove any excess plant material left around the filling aperture so that it is clean and allows the Cooling Unit to be fitted.

! If the Filling Chamber is only partially filled, then the vaporization material may shift around; the hot air then bypasses the vaporization material, so that no vaporization can occur.



Filling Chamber properly filled

If the Filling Chamber is not to be filled completely, it is recommended to place the included Liquid Pad over the herbs, and then mount the Cooling Unit on the Vaporizer.



Filling Chamber partially filled, with Liquid Pad placed on top



## 8. FILLING THE FILLING CHAMBER

! Take care that the Screens are not obstructed with plant material. To guarantee optimal results, we recommend cleaning the Screens after each vaporization cycle with the enclosed Cleaning Brush.

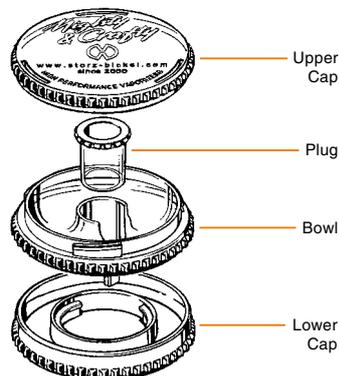
The upper Screen especially can become clogged with plant material and so make inhaling difficult. In this case, remove the Screen as in Chapter 10. "Disassembling, Cleaning and Assembling", page 22 and clean or insert a new Screen.

Then re-mount the Cooling Unit by rotating it clockwise through 90°.

As soon as the lower Filling Chamber Screen is clogged or shows deposits, a cleaning of the Filling Chamber is needed. For that, please firstly remove the lower Screen as described in Chapter 10.3. "Removal of the lower Filling Chamber Screen", page 25 and clean the Filling Chamber with a cotton stick that has been soaked in alcohol. Please make sure that no alcohol drops into the inner of the device. After cleaning, a new screen is to be inserted.

### 8.1. Filling Aid

The Filling Aid supplied with the unit makes filling the Filling Chamber an easy and clean operation and serves as a magazine for transporting and storing plant material already ground in the Herb Mill.



To fill the Filling Aid, remove the upper cap and fill the bowl incl. plug with ground plant material. Replace the upper cap and close it.



Filled Filling Aid (upper cap removed)

## 8. FILLING THE FILLING CHAMBER

### 8.2. Filling the Filling Chamber using the Filling Aid

Remove the Cooling Unit from the Vaporizer and remove any residues that may be in the Filling Chamber. The Filling Chamber Tool can be a help in doing this.

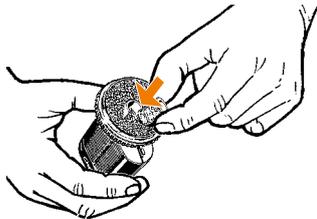
Remove the lower cap of the Filling Aid by turning counterclockwise. Place the Filling Aid on the Vaporizer and attach by turning it clockwise. Remove the upper cap from the Filling Aid. Pull the plug and use it to fill a portion of plant material through the central opening into the Filling Chamber.



Make sure that the Filling Chamber is not overfilled (see Chapter 8. "Filling the Filling Chamber", page 18).

Fill the Filling Aid to the lower rim (see the two following drawings)!

Overfilling leads to clogging of the Screens and can make inhaling more difficult.



Filling the Filling Chamber with the Filling Aid



The lower rim of the Filling Aid must be above the top level of the plant material

Then re-insert the plug into the central opening and screw on the upper cap of the Filling Aid. Unscrew the Filling Aid with a 90° rotation and screw on the lower cap again. Then re-mount the Cooling Unit by rotating it clockwise through 90°.

## 9. APPLICATION

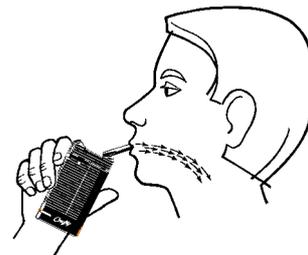
Mount the Cooling Unit on the Vaporizer and heat up. This ensures that both the Filling Chamber and the material to be vaporized are preheated and the vaporizing can begin as soon as the heating process is completed.



### Caution! Hot surface!

After using the **CRAFTY** Vaporizer, do not touch the Filling Chamber until it has cooled down again.

Once the Vaporizer has reached the set temperature (steady green light for the basic temperature and flashing green for the booster temperature, each also accompanied by a short double vibration) and the Mouthpiece is folded out, then the inhaling process may begin.



Using the **CRAFTY** Vaporizer

Take the Mouthpiece between the lips, and inhale slowly and evenly for several seconds.

Please note the following about vapor generation: the more intense the vapors, the greater the impairment of the flavor.



A very high intensity (or density) of the vapor can lead to irritation of the respiratory passages from the concentration of the aromas and fragrances.

In this case, the temperature should be lowered, so that the intensity of the vapors is reduced (see Chapter 11.4. "Setting Temperature with the **CRAFTY** App", page 28).



The device is not to be used, if the user has respiratory tract or lung conditions. Depending on the density, the vapor could irritate respiratory tracts or lungs, which can lead to coughing.



Inhale only half the amount of air you can normally manage. Hold your breath for a few seconds and exhale slowly. It is advisable to deliberately concentrate on your breathing process.

After vaporization, turn off the **CRAFTY** Vaporizer. To do this, press the orange ON/OFF switch for at least half a second. The Vaporizer acknowledges the switching off with a short vibration.

Allow the Vaporizer to cool down before it is packed away.

When the vapors are cooled, it is inevitable that a small fraction is condensed on the internal surfaces of the Cooling Unit.

The component parts of the Cooling Unit, including the Mouthpiece must be thoroughly cleaned on a regular basis to guarantee proper operation and pure flavor.

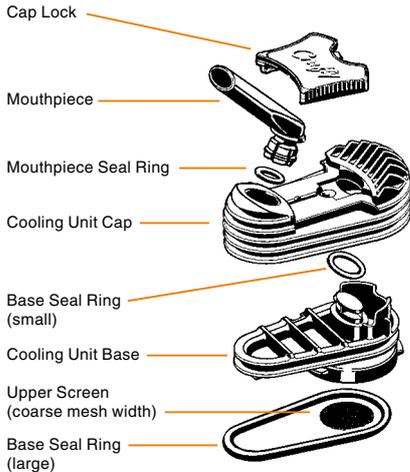
For hygienic reasons, it is also necessary to clean these components when the Vaporizer is to be used by a different person.



The condensate can be sticky. The Cooling Unit can be dismantled more easily when it first warmed up.

### Product Overview of the CRAFTY Cooling Unit

The Cooling Unit consists of:



### 10.1. Disassembling and Reassembling the CRAFTY Cooling Unit

Turn the Cooling Unit with a 90° rotation counterclockwise in order to remove it from the Vaporizer.

Pull out the Mouthpiece from the Cooling Unit Cap, rotate slightly back and forth while doing this, and pull off the Mouthpiece Seal Ring.



*Pulling the Mouthpiece from the Cooling Unit Cap*

Open the Cap Lock by pulling it rearwards.



*Opening the Cap Lock*

Remove the Cap Lock from the Cap by pulling up at one side.



If the Cooling Unit must be immersed into alcohol (ethanol) the Cap Lock only has to be removed from the Cooling Unit. Extended contact with alcohol can lead to whitening of the Cap Lock Label or disintegration of the glue.



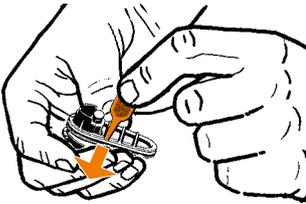
*Removal of the Cap Lock*

Separate the Cooling Unit Cap from the Cooling Unit Base by pulling off the cap upwards.



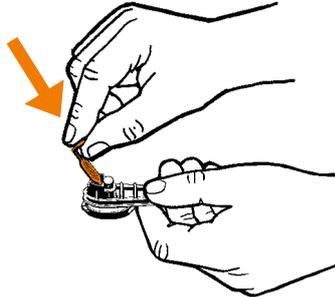
*Pull the Cooling Unit Cap from the Cooling Unit Base*

Remove the large and small base Seal Rings. Lever out the large Seal Ring from the recess in the notch using the Filling Chamber Tool.



*Removal of the large base Seal Ring*

Push the upper Screen downwards out of the Filling Chamber Cap from above by using the Filling Chamber Tool supplied.



*Pressing out the upper Screen*

Reassemble in reverse order.

**!** When assembling, make sure that Seal Rings are properly seated. The Mouthpiece Seal Ring, especially, must sit completely in the Cap and be no longer visible.

The upper Screen must be inserted carefully into the groove provided. Disregarding this may allow plant particles to enter the Cooling Unit, so blocking this or be inhaled.

### 10.2. Cleaning the **CRAFTY** Cooling Unit

The Cooling Unit can be disassembled for cleaning purposes and then assembled again (see Chapter 10.1. "Disassembling and Reassembling the **CRAFTY** Cooling Unit", page 23).

The Cleaning Brush, cotton swabs and paper or cotton towels may be used for cleaning. As solvent, we recommend alcohol (ethanol) or warm water with wash-up liquid.

For optimal airflow, please ensure the Cooling Unit and Mouthpiece are clean and free from debris blockage.



*Manual cleaning of the disassembled Cooling Unit*

**!** Do not immerse any plastic components for longer than an hour in alcohol or ethanol. Extended contact with alcohol or ethanol can lead to discoloration or embrittlement of plastic parts.

Before assembling allow all component parts to dry properly.

After cleaning, check all component parts for surface damage, tears, softening or hardening, impurities, distortion and discoloration and set damaged component parts aside.

**!** **Warning! Alcohol (ethanol) is flammable and may easily ignite.**

**!** Sets of new Cooling Units may be ordered from [www.storz-bickel.com](http://www.storz-bickel.com).

### 10.3. Removal of the Lower Filling Chamber Screen

Remove the lower Filling Chamber Screen out of the Filling Chamber by using a pair of tweezers or a pair of pointed pliers. Insert a new Screen while taking care that the edges of the Screen seat into the groove at the bottom of the Filling Chamber.

**General**

The **CRAFTY** App is not necessary for operating the **CRAFTY** Vaporizer, does however allow individual settings to be made and allows the read-out of additional information when the **CRAFTY** Vaporizer is in operation.

As the **CRAFTY** Vaporizer has too little space for a display, the Vaporizer can be connected to an iPhone or Android smartphone via Bluetooth and the smartphone's display used.

Minimum requirement for this is iOS6 for the iPhone or Android 4.3.

The **CRAFTY** App can be downloaded from the App Store or Google Play Store.

**11.1. Default settings**

Basic temperature:	180°C (356°F)
Booster temperature: additional	15°C (27°F)
so corresponding to	195°C (383°F)
LED indicator brightness <b>CRAFTY</b> :	100%
Charge Indicator Lamp <b>CRAFTY</b> :	ON
Vibration <b>CRAFTY</b> :	ON
Vibration smartphone:	OFF
Smartphone alarm tone:	OFF

**11.2. Connecting the CRAFTY Vaporizer with a Smartphone**

Switch on the smartphone and download the **CRAFTY** App. Ensure that the Bluetooth function is switched on and this is not blocked by another Bluetooth device. Then switch on the **CRAFTY** Vaporizer and, after that, the **CRAFTY** App.

You will now be requested to enter the serial number (= alphanumeric sequence of six numbers printed on the bottom label of the device) of your **CRAFTY** Vaporizer.

It is sufficient to enter the serial number once. Calling the **CRAFTY** App automatically connects the two devices.

If another **CRAFTY** Vaporizer is to be controlled by the same smartphone, the previous connection is to be disconnected by use of the "Connect to other **CRAFTY**" button and the serial number of the other **CRAFTY** Vaporizer entered.



*Making the connection*

**11.3. The Menu Items of the CRAFTY App**

*Temperature, Settings, Device, Information*

**Temperature:**

Here you can read off the set and actual temperatures and carry out the temperature settings. You will also find here the charge indicator lamp of the **CRAFTY** Vaporizer.

**Settings:**

You can also make further individual settings here.

**Device:**

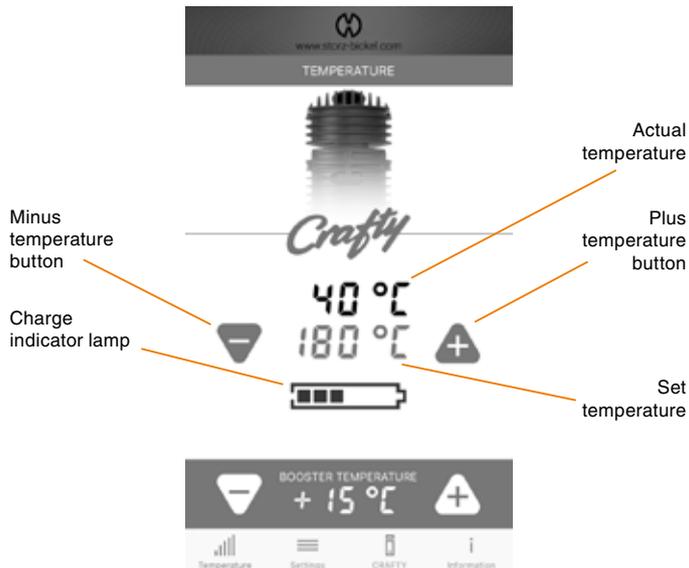
Here you find the device-related information, such as operating hours, software versions etc.

**Information:**

Here you find further information such as lists of plants and prices, but also direct links to the Storz & Bickel website or to the online shop.

#### 11.4. Setting Temperature with the CRAFTY App

The temperature can be set between 40°C and 210°C (104°F and 410°F) (see Chapter 4. "Overview of Plants", page 11).



Functional elements Menu item Temperature

When you press the plus button, the set value is increased, and when you press the minus button, the set value is decreased. When you briefly tap on the plus or minus button, the set values are increased or decreased respectively in 1-degree increments.

If you keep the plus or minus button pressed, the set values start running continuously in the corresponding direction.

The current actual temperature can be read from the upper line of the display.

The booster temperature is always added to the basic temperature. But the total cannot exceed 210°C (410°F).

#### Fahrenheit/Celsius

If you simultaneously tap on the plus button and the minus button, the display changes from degree Celsius to degree Fahrenheit and vice versa.

#### Charge Indicator Lamp

The charge indicator lamp shows a battery symbol with six fields indicating the charging status. If the battery is almost discharged, the battery frame to flash; if fully charged, the frame and all six fields are visible.

The number of status fields visible depends on the extent of the battery charge.

During the charging of the **CRAFTY** Vaporizer, the charge indicator lamp flashes and shows the current level of charging.



Charge Indicator Lamp

#### 11.5. Further individual settings



#### Settings

##### LED Brightness CRAFTY:

The brightness of the LED indicator on the **CRAFTY** Vaporizer can be dimmed using the slider control.

##### Charge Indicator Lamp CRAFTY:

Here, the blue lights of the LED indicator can be switched on and off during the charging operation. When the power adapter is plugged in to

start the charging, the LED indication lights up for a moment on red/green/blue and the Vaporizer vibrates briefly. This serves as a functional check and indicates that the charging operation has started.

#### Vibration CRAFTY:

The vibration motor of the CRAFTY Vaporizer can be switched on and off here.

#### Reset to Default Settings:

The default settings (see Chapter 11.1. "Default Settings", page 26) can be restored here.

The following settings / values are restored to the default settings:

- Set temperature
- Booster temperature
- LED brightness
- Charge Indicator Lamp
- Vibration CRAFTY
- Vibration smartphone
- Smartphone alarm tone

#### Connect to other CRAFTY:

If another CRAFTY Vaporizer is to be controlled by the same smartphone, the previous connection can be disconnected so that the serial number of the other CRAFTY Vaporizer can be entered.

#### Vibration Smartphone:

Here, in addition to the vibration of the CRAFTY Vaporizer, the vibration of the smartphone can also be switched on and off here.

#### Smartphone Alarm Tone:

Any alarm tone of the smartphone can also be switched on and off here in parallel with the vibration of the CRAFTY Vaporizer.

#### 11.6. Menu Items for Device and Information

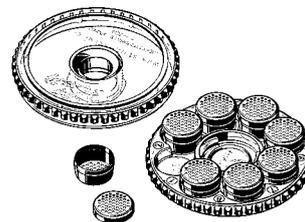
##### Device:

Here you find device-related information, such as operating hours, software versions etc.

##### Information:

Here you find further information such as lists of plants and prices, but also direct links to the Storz & Bickel website or to the online shop.

#### 12.1. Dosing Capsules and Magazine



*Dosing Capsules with Magazine*

With the Dosing Capsules, which are available as accessories, you can fill ground plant material or aromatic oils using the Liquid Pads into the Dosing Capsules in advance and store them in the Magazine. This facilitates the handling.

#### Filling the Dosing Capsules with ground Plant Material

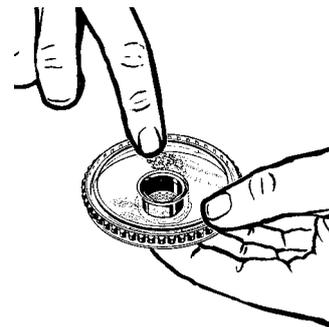
The plant material has to be ground with the included Herb Mill first.

The Dosing Capsules can be filled with ground plant material per Capsule and be stored in the Magazine as a reserve.



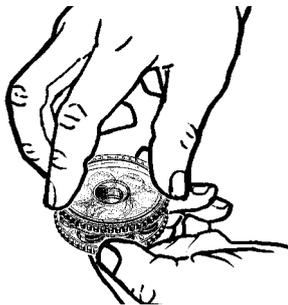
*Dosing Capsule with removed cap*

Grind the plant material and fill the Dosing Capsule by using the Magazine Cap (funnel).



*Dosing Capsule while being filled with Magazine Cap (funnel)*

Attach the cap onto the Dosing Capsule. Repeat the filling process until the desired amount of Dosing Capsules is filled and insert them into the Magazine. The Magazine can hold up to 8 Dosing Capsules.



*Attaching the Magazine Cap*

After filling the Dosing Capsules, attach the Magazine Cap and close it by turning it clockwise.

### Filling the Dosing Capsules with aromatic Oils

The Dosing Capsules with inserted Liquid Pad, which are available as accessories, can be filled with aromatic oils and store them in the Magazine.

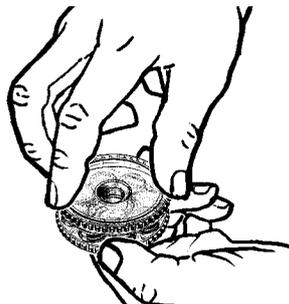


*Dosing Capsule with removed cap and inserted Liquid Pad*



Please make sure to not overfill the Liquid Pad. It can contain up to 5 drops.

Attach the cap onto the Dosing Capsule. Repeat the filling process until the desired amount of Dosing Capsules is filled and insert them into the Magazine. The Magazine can hold up to 8 Dosing Capsules.



*Attaching the Magazine Cap*

After filling the Dosing Capsules, attach the Magazine Cap and close it by turning it clockwise.

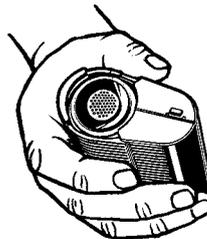
### Inserting the Dosing Capsules

Turn the Cooling Unit with a 90° rotation counterclockwise in order to remove it from the **CRAFTY** Vaporizer.



*Removal of Cooling Unit (with Mouthpiece)*

Insert the Dosing Capsule into the Filling Chamber of the **CRAFTY** Vaporizer.



*The inserted Dosing Capsule*

Then re-mount the Cooling Unit by rotating it clockwise through 90°.

The Filling Chamber of the **CRAFTY** can be filled directly as well (without a Dosing Capsule), see Chapter 8. "Filling the Filling Chamber", page 18.

As soon as the lower Filling Chamber Screen is clogged or shows deposits, a cleaning of the Filling Chamber is needed. For that, please firstly remove the lower Screen as described in Chapter 10.3. "Removal of the lower Filling Chamber Screen", page 25 and clean the Filling Chamber with a cotton stick that has been soaked in alcohol.

Please make sure that no alcohol drops into the inner of the device. After cleaning, a new Screen is to be inserted.

## 12. ACCESSORIES

### 12.2. Disposable Lip Piece for Hygienic Use

The Lip Piece, which is available as an accessory, will be delivered brand new and in a low-germ, but not fully-sterile state.



The Lip Piece is equipped with a check valve. This check valve reduces the danger of a potential contamination inside the Cooling Unit by preventing breathing into the Cooling Unit.



*Cooling Unit with Mouthpiece and Lip Piece*

The Lip Piece is put on the folded out Mouthpiece, slid until stop and is then ready for operation.

The Cooling Unit with Mouthpiece and the Lip Piece may be used by only one person.

A Lip Piece may be used for max. 4 hours after initial operation if it is undamaged and clean. Afterwards, it must be disposed of in the household waste and a new Lip Piece must be used due to hygienic reasons.

Every further use beyond this or the use of damaged and/or contaminated products respectively is the user's responsibility.

We assume no liability if this recommendation is ignored.



Please note that damaged or brittle Lip Pieces are not to be used.

## 13. TECHNICAL SPECIFICATIONS

### Power adapter:

Power consumption: 10 W  
Supply voltage: 100-240 V / 50-60 Hz  
Output voltage: 5 V DC

### CRAFTY Vaporizer:

Supply voltage: 5 V DC

The voltage details are located on the respective type labels of the **CRAFTY** Vaporizer and power adapter.

Power required by **CRAFTY** Vaporizer: 10 W max.

Operating temperature: 5°C - 40°C / 41°F - 104°F

### Vaporization temperature:

adjustable between approx. 40°C - 210°C / 104°F - 410°F

**Size:** 11.0 x 5.7 x 3.3 cm (4.3 x 2.2 x 1.3 inch)

**Weight:** approx. 135 g, (0.3 lb)

Please unplug the power adapter from the mains socket to completely disconnect from the mains power supply.

Subject to technical changes.

**Patents and designs:** [www.storz-bickel.com/patents](http://www.storz-bickel.com/patents)

### Manufacturer

Storz & Bickel GmbH & Co. KG  
In Grubenäcker 5-9  
78532 Tuttlingen, Germany

## 14. CE DECLARATION OF CONFORMITY

The devices comply with the following EC Directives:

- DIN EN 60 335
- DIN EN 60 950
- Electromagnetic Compatibility 2004/108/EG

**Warranty**

Storz & Bickel GmbH & Co. KG and Storz & Bickel America Inc. as seller hereby guarantee the customer that the product will be free from defects in accordance with the specifications of German law, and pursuant to our General Terms and Conditions (GTC), upon which the purchasing agreement are based. Of course, Storz & Bickel will only be subject to a warranty obligation if the customer has purchased the products directly from us. If products are purchased from third parties, warranty claims may only be asserted against these third parties, and Storz & Bickel cannot provide any information on the content of such claims.

In clarification, we would like to note once again here that the warranty extends only to correcting such initial defects that exist despite proper handling of the product in consideration of this Instructions for Use and further information provided to users. Normal wear or tear to the products is not considered a defect under warranty law. If the customer has commissioned third parties with completing maintenance or repair of the product, or if the customer uses external products, Storz & Bickel's warranty obligations will only exist if the customer can prove that the defect was not caused by use of the external service or external product.

Storz & Bickel will decide at its own discretion whether to correct a defect covered to warranty law through re-

pair or by delivering a new product to the customer.

Any warranty claims must be directed to Storz & Bickel GmbH, In Grubenäcker 5-9, 78532 Tuttlingen. American and Canadian customers should direct warranty claims to Storz & Bickel America Inc., 1078 60th Street, Suite A, Oakland, CA 94608. Please send the complete defective item to us, not disassembled, with invoice. Please use external packaging that would prevent any damage during transportation.

In order to avoid misunderstandings, we would like to note that all information on our products provided in this Instructions for Use or elsewhere does not represent any guarantee of features or durability, unless we have expressly referred to a guarantee for such features or durability.

**Liability**

Storz & Bickel shall be liable for any damages caused to the customer by our products in accordance with German law and pursuant to our GTC. Under said provisions, we are only liable for damages caused by intentional action or gross negligence, unless such damages involve death, personal injury, or injury to health, or if the injury is related to a cardinal contractual obligation. In such cases, we will also be liable to the customer for simple negligence.

**Repair Service**

In addition to our warranty obligations, we offer competent repair service to our customers. We will promptly repair any defective products made by us after we have informed the customer of estimated costs and obtained customer approval.

**Copyright**

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[www.storz-bickel.com](http://www.storz-bickel.com)

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