

# falk-watertrap© Assembly and Operating Instructions

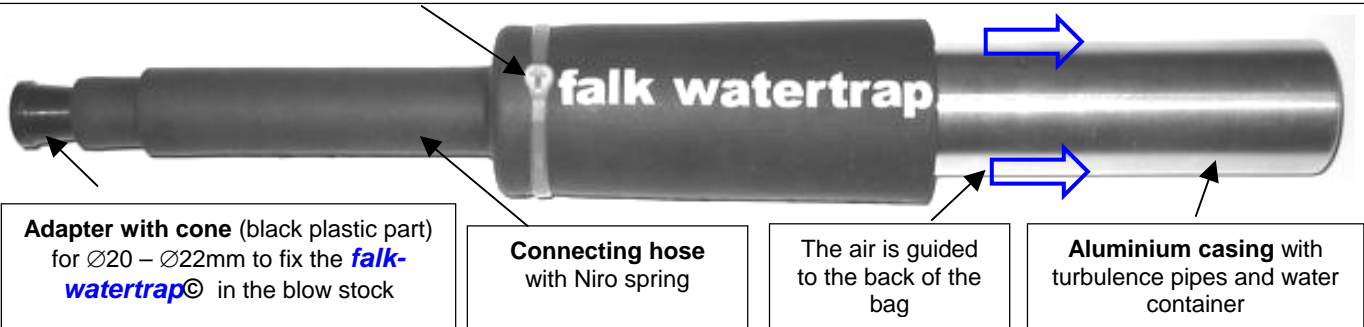
The **falk-watertrap©** has been pre-assembled so that it can be fitted into the bagpipes in one unit.

All essential components are made of aluminium; the end caps are made of POM and the elastic part is made of EPDM. The **falk-watertrap©** is completely safe and remains in the bagpipes at all times! Within the aluminium unit, there are no movable parts which could wear out.

The air is condensed by slight fluctuations in pressure. The large aluminium area acts as a cooling body. It condenses the water contained in the air blown into the bag by approximately 70-80%.

You must NOT attempt to open the **falk-watertrap©**. If you try to open the water trap you will destroy it! The **falk-watertrap©** can be used in all bagpipe bags.

If the lock of the cable binder and the logo are facing up, then the hole through which the air escapes is also facing up and can also be used to establish the correct position of the **falk-watertrap©** in the bag by means of touch.



Basic knowledge of assembly and disassembly as well as the sealing techniques required to seal leather bags is assumed and will not be described in detail. If you need any help please contact the manufacturer:

☎ 0049 (0)4480-948 932 - E-mail: [falk.paulat@directbox.com](mailto:falk.paulat@directbox.com)

## Before the assembly:

The blowstock must be absolutely grease-free inside. Fat leftovers are to be removed with washing-up liquid! Only of the cone must be greased a little bit (in the delivery state he is greased). New **falk-watertrap©** before the assembly with water, moves with some washing-up liquids, 2x purge.

## 1. Assembly in bag without Zipper

Does not fit complete **falk-watertrap©** by the opening of the chanter stock, cable binders remove, elastic part draw off from the aluminium part.

Fig. 1

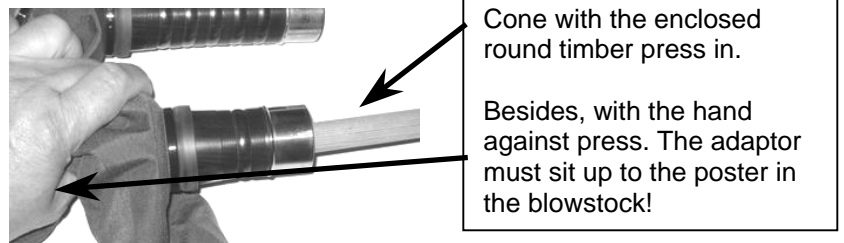


Middle stock of the tenor Drone remove. It makes easier the assembly, as well as fastening the elastic part with the cable binder. Moreover, the **falk-watertrap©** is better to control. Push only the aluminium part with feather in the bag, afterwards fold the elastic part and put into the bag. Put on afterwards the elastic part on the aluminium case. Pay attention to the fact that the aerial escape opening, the writing and the fastener of the cable binder lie on top.

Fig. 2



. 3



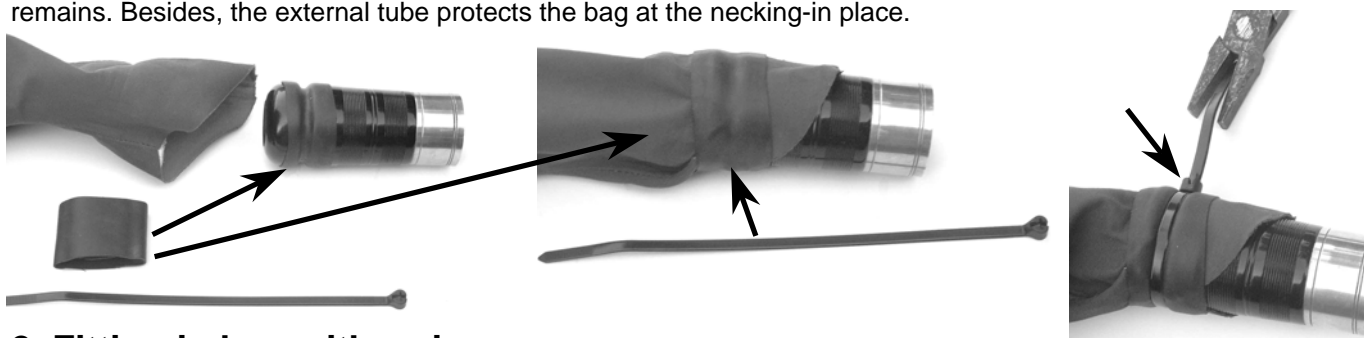
Now push the **falk-watertrap©** against the blowstock as fast as it will go. Use the other hand from the outside to make sure that it does not fall out of its position. Let the cone (Fig. 2) fall into the adapter of the **falk-watertrap©**. Please make sure that the centralizer is also in the rubber part. Push the cone into the **falk-watertrap©** as hard as possible using the round piece of wood enclosed in delivery. (Fig. 3).

**CHECK: The adaptor must be pushed into the blow stock as far as possible!!**

The trouble of the assembly has been worthwhile: **falk-watertrap©** can always remain in the bag – while pouring out he mostly cleans himself. There is **falk-watertrap©** which are on her reliable duty already more than 10 years without dismantling!

## Fit chanter stock using the assembly kit:

Use absolutely both tube pieces! They will be astonished as easily and certainly the connection is thick and also remains. Besides, the external tube protects the bag at the necking-in place.



## 2. Fitting in bag with a zipper:

Fitting the water trap is much easier in a zipped bag. **Important:** The blow stock must be free of grease!! The adapter must be pushed into the blow stock all the way up to the stopper. Then push the greased cone in as hard as possible using the round piece of wood enclosed in delivery. This ensures that the cone is seated correctly.

**Tip:** Round timber in the bag keep. Thus it is always handy, if should free itself falk-watertrap ©. With right assembly, this should not happen! **Tip: Round timber in the bag keep. Thus it is always handy, if should free itself falk-watertrap ©. With right assembly, this should not happen!**

## Emptying the *falk-watertrap*©:

Remove the entire blow pipe. Then grab the back end of the *falk-watertrap*© through the bag hold vertically upright. This causes the blow stock to point downwards. After a few seconds the condensed water runs out of the blow stock through a bypass hole.

Depending on humidity, the trap should be emptied every hour **always** after you have finished playing.

**The amount of water running out depends on the amount of moisture in the air blown in and on the humidity of the surroundings** – such as rainy weather and fog.

**Attention:** “Drone stoppers” increase the formation of water on the drones! Also Drones with very long tongues

**Important:** The function of the *falk-watertrap*© is not compromised if it is not emptied soon enough and the condensation runs into the bag. Any moisture problems whilst playing the bagpipes are caused by **the water vapour which has NOT condensed** and which then condenses on the reeds, the drone reeds and the drones. Moisture which has condensed out to water does not cause any real damage. The flange at the exit opening prevents water flowing back into the bag when it is being poured out.

If, after you have finished playing and have folded the bagpipes together, you have forgotten to empty the *falk-watertrap*©, the water will run into the bag.

## Maintenance:

The *falk-watertrap*© is maintenance free for a long period of time. To clean it, it is not necessary to remove it from the bag. Usually it is sufficient to rinse it with a little washing-up liquid. Pour approx. 60 ml of water with washing up liquid into the *falk-watertrap*© which must be held vertically. Then empty the trap as described above. Repeat this process. Then rinse a number of times using the same amount of clear water. If there are any small bits in the water you can clean the *falk-watertrap*© using a long brush (Ø12mm). Rinse it again. The *falk-watertrap*© must be taken apart once a year and cleaned with washing up liquid and a brush.

## Trouble shooting:

Error	Cause	Rectification
The <i>falk-watertrap</i> © falls out of the blow stock	<ol style="list-style-type: none"><li>1. The <i>falk-watertrap</i>© was not pushed in hard enough - blow stock or adapter were greasy</li><li>2. The black cone has come loose</li></ol>	<p><b>Re.1.</b> Degrease the parts. Fit the <i>falk-watertrap</i>© again following the instructions above</p> <p><b>Re.2.</b> Remove the chanter and get the cone out through the opening. You can fit it again without having to dismantle the chanter stock: Grip the adapter through the bag and stick it into the blow stock. Grease the cone using Vaseline and press into the adapter as described in the fitting instructions.</p>
You can't empty the <i>falk-watertrap</i> ©	<ol style="list-style-type: none"><li>3. The air hole is facing down.</li><li>4. The bypass hole is blocked.</li></ol>	<p><b>Re.3.</b> Grip the adapter through the bag and twist it. If this is not possible, dismantle and then re-assemble again.</p> <p><b>Re.4.</b> Clean the <i>falk-watertrap</i>© with a brush as described in the „Maintenance“ section. (Did you eat any nuts or crisps before or whilst you were playing the bagpipes?). <b>If the water still does not run out of the <i>falk-watertrap</i>© please contact out manufacturer.</b></p>

**Production:**

Falk Paulat - Middelreeg 8 - D 26349 JADE

☎ +49 (0)4480-948 932

[Email: falk.paulat@directbox.com](mailto:falk.paulat@directbox.com) - [www.german-bagpipers.de](http://www.german-bagpipers.de)