FLEXIKEG
Le fût économique & responsable

Flexikeg user manual

How to change the pouch after each use

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Are you more into reading or tutorials?

Below is a detailed user manual. If you prefer tutorials, you can check out our YouTube playlist (we've segmented several modules so you can target your specific needs precisely):

- Link to video tutorials

QR code to video tutorials:

Reconditioning time: 4 minutes (on average)

The first time, you will probably take longer as you familiarize yourself with these simple steps. Once you've mastered the process, your reconditioning operation will take around 4 minutes, the average time taken by our teams to prepare a keg for reuse.

To achieve this average time, it is recommended to organize kegs into batches for reconditioning, as indicated within this user manual.

1. General instructions

Ensure that the work surface is clean and smooth (remove any roughness that could puncture or damage the pouches).

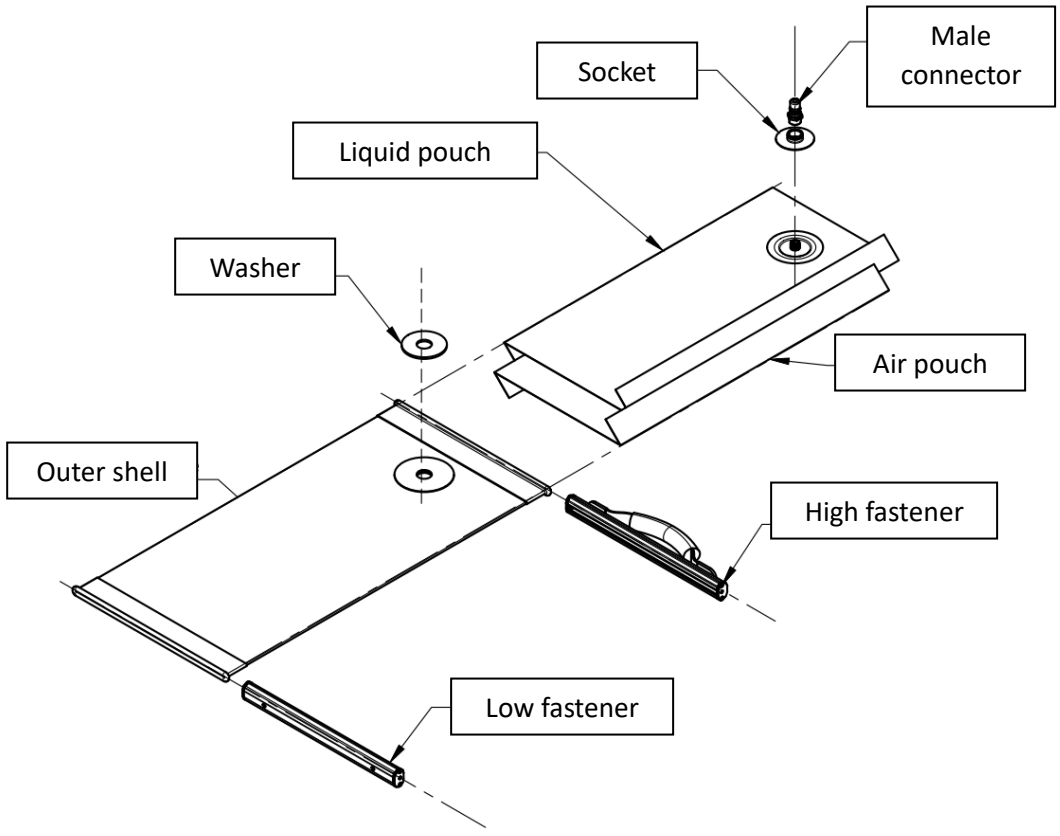
The pouch replacement involves steps where the external environment may come into contact with the inside of the pouches. Therefore, ensure to work in hygienic conditions appropriate to your profession (disinfecting the work surface and tools, etc.).

Under no circumstances should you modify the tools (such as torque screwdriver and passivator).

Any modification may introduce defects that will not be attributable to FLEXIKEG under any circumstances.

Warning! Brass and aluminum parts (high and low closures) must never come into contact with caustic soda.

2. Exploded view of the keg and nomenclature



3. Material

Flexikeg catalog

1 Pouch replacement kit - A passivation kit (Venturi system). - A ruler with protected tips. - A pre-set torque screwdriver - A circlip pliers - A Phillips screwdriver	 
1 Female brass connector (air drain)	

Off-catalog Flexikeg (Non-contractual photos, provided for informational purposes only)

A perforated (or non-perforated, in which case use a roll of packing tape) work surface.	 
Gloves	

Off-catalog Flexikeg (continued)

Equipment needed for external keg cleaning (soapy water, microfiber cloth).	 + 
1 Compressor set to 58 Psi / 4 bars	

4. Step 1: Preparation for reconditioning

<u>As soon as the kegs are returned:</u>

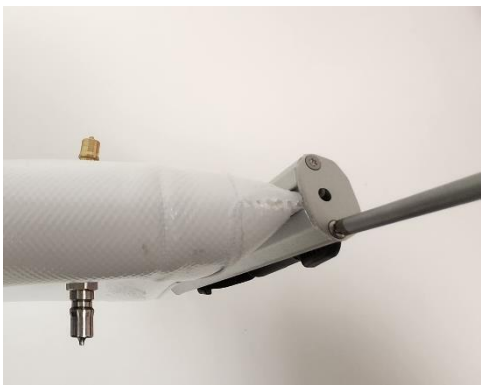
a) Deflate the "air" pouch using a female brass connector (air drain) if it has not been done by your customer.

b) Clean the exterior of the kegs to facilitate subsequent operations: use a warm soapy water basin and a microfiber cloth to clean all drips on the various components (high and low fastener, washers and circlips, exterior of the keg).

5. Step 2: Disassembly of the keg

a) Unscrew the 2 countersunk crosshead screws, 1 at one end of the high fastener and 1 at one end of the low fastener, using the screwdriver provided in the pouch replacement kit.

Note: Do not confuse with the flat-head "torx" screws.



b) Rotate the 2 plates at each end of the high and low fastener.

c) Remove the fastener by sliding them off.

d) If necessary, clean them.

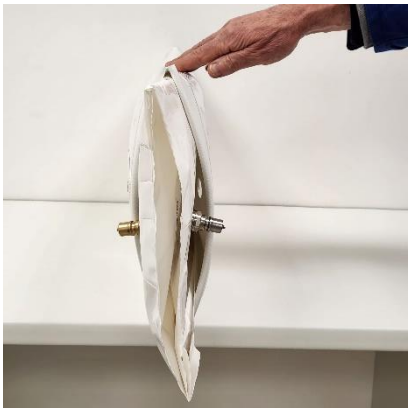
e) Lay the keg flat on the work surface by inserting the connector into the hole drilled in your work surface or alternatively using a roll of packing tape.

f) Remove the circlip using the pliers provided in the pouch replacement kit.

Flip the keg over and repeat the same operation.

g) Wash the washers and circlips.

h) Spread the edges of the outer shell to release the connectors and gently pull on the pouches to remove them.



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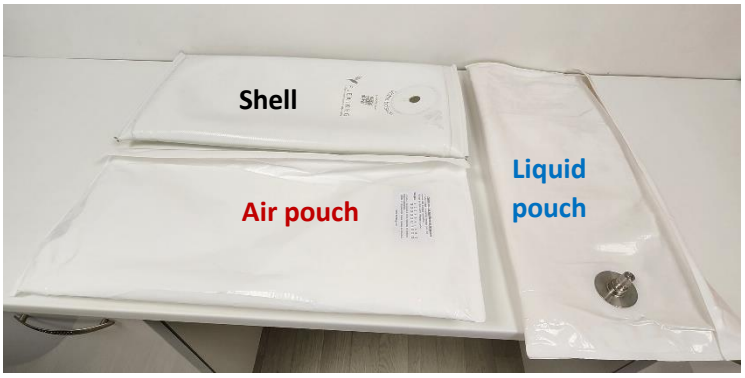
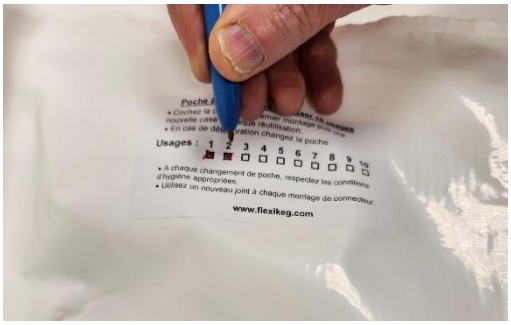


6. Step 3: Disassembly and reassembly of the pouches

1. "Air" pouch

Reminder: the air pouch is changed every 10 uses.

Use the label on the back of the pouch to count the number of uses by checking a new box each time you disassemble a keg.



Case 1: The pouch can be reused (less than 10 check marks on the label)

a) Place the pouch on the work surface with the connector facing up.
b) Flatten it out well **by removing any creases**.
(If necessary, reintroduce air using the air drain valve.)

c) Reform the "Z" fold

d) Create a vacuum in the pouch using the passivator provided in the pouch replacement kit connected to the compressor
(See passivator usage in the annex)

<u>Case 2: The pouch needs to be changed (10 uses or detected injury)</u>

a) Remove the connector using the torque screwdriver provided in the

pouch replacement kit.

b) Remove the socket

c) Clean the socket and connector as needed

⚠ *Caustic soda prohibited for the brass connector*

d) Recycle the pouch

(bins for recycling, consolidation for return to Flexikeg, or processing by your local recycler)

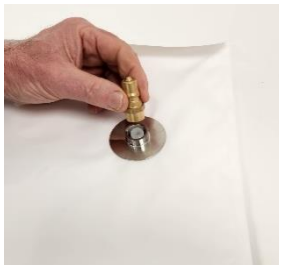
e) Take a new air pouch

f) Place it on the work surface with the red cap facing up

g) Remove the red cap

h) Place the socket in position

i) Engage and hand-tighten the connector without forcing it



j) Hold the pouch while pressing on the socket

k) Tighten to the specified torque using the torque screwdriver provided in the pouch replacement kit until you hear 2 “clicks”.

Create a vacuum in the pouch using the passivator provided in the pouch replacement kit connected to the compressor
(See passivator usage in the annex)

l) Reform the "Z" fold

m) In any case, remember to check a box on the label on the back of the pouch.

2. « Liquid » pouch:

Reminder: the liquid pouch is changed after each use.

a) Disassemble the connector using the torque screwdriver provided in the pouch replacement kit.

b) Remove the socket

c) Clean the socket and connector according to your usual processes.

d) Recycle the pouch
(bins for recycling, consolidation for return to Flexikeg, or processing by your local recycler)

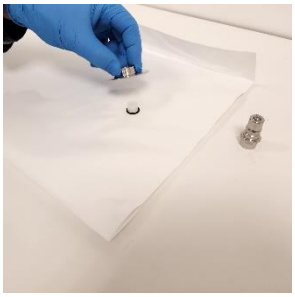
e) Take a new liquid pouch

f) Place it on the work surface with the red cap facing up
From this step onwards, proceed with gloves.

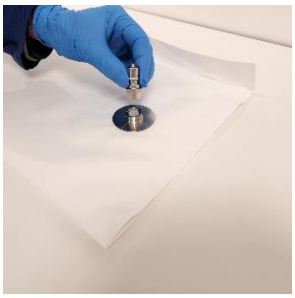
g) Remove the red cap

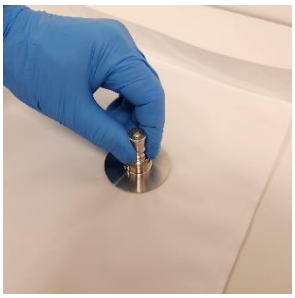
h) Take a clean socket and connector

i) Place the socket in position



j) Engage and hand-tighten the connector without forcing it





k) Hold the pouch while pressing on the socket

l) Tighten to the specified torque using the torque screwdriver provided in the pouch replacement kit until you hear 2 "clicks".

m) Create a vacuum in the pouch using the passivator provided in the pouch replacement kit connected to the compressor.

n) Reform the "Z" fold

<u>Quality advice and productivity gain:</u>

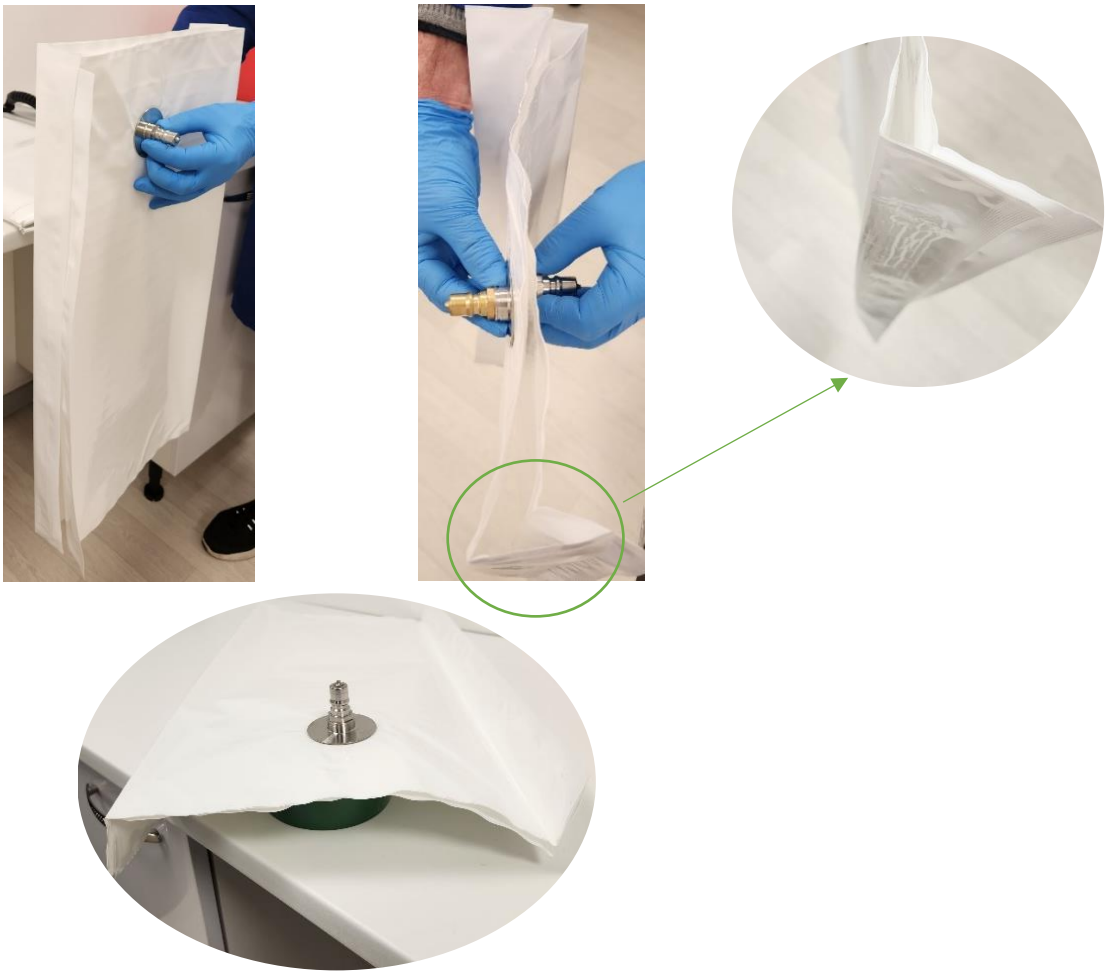
- In this reassembly operation, we advise you to anticipate the cleaning of sockets and connectors. Depending on your process, you can, like some of our customers:
  - Sequence your disassembly, cleaning, and reassembly operations,
  - Use connectors and sockets from a previous batch,
  - Order sockets and connectors in advance to carry out this rotation.
- We suggest working in batches of pouches and verifying that they hold vacuum for about ten minutes before reassembly.

7. Step 4 : Reassembly

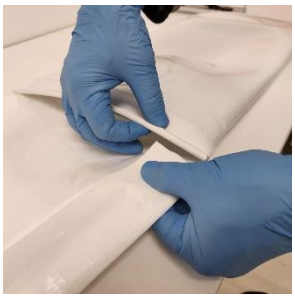
Your equipment is cleaned and ready to be reassembled.

7.1 Inserting pouches

a) Position the liquid and air pouches back-to-back, ensuring that the Z-folds fit into each other.



b) Insert the pouches into the shell, ensuring that the "air" (brass connector) and "liquid" (stainless steel connector) sides correspond to what is marked on the shell (respective inscriptions on the shell "air" and "your beverage").

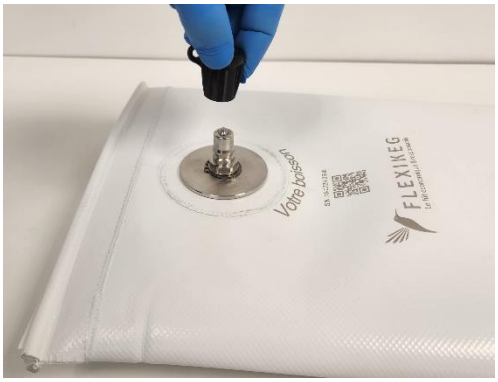


c) Lay the keg flat on the work surface by inserting the connector into the hole drilled in your work surface or, alternatively, using a roll of tape.

d) Thread the washer onto the liquid (stainless steel) connector and the socket.

e) Reassemble the circlip using the pliers provided in the pouch replacement kit.

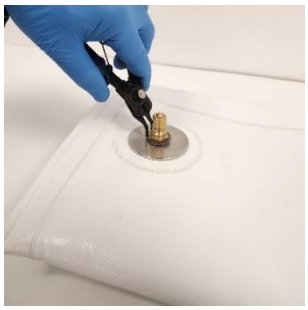
f) Replace the cap.



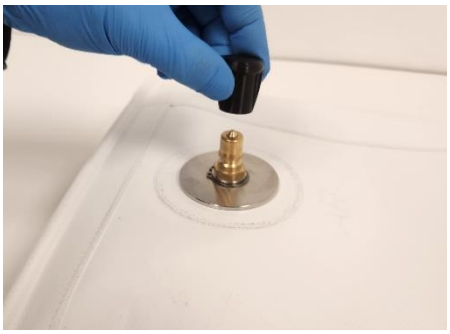
Flip the keg over and repeat the same operation.

g) Thread the washer onto the air connector (brass) and the socket.

h) Reassemble the circlip using the pliers provided in the pouch replacement kit.



i) Replace the cap.

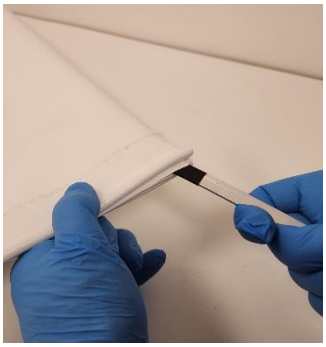


j) Position the pouches in the keg so that they do not crease inside (ensure they are aligned by rotating them around the connectors if necessary)).

7.2 Closing the keg

On the bottom side of the keg (the furthest from the connectors):

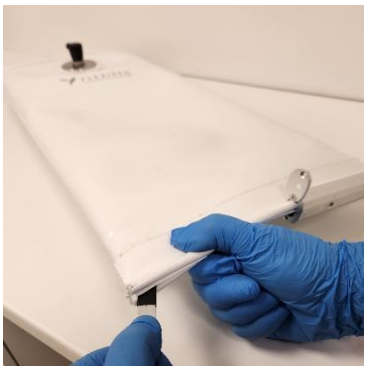
a) Position the Z-folds at one corner of the keg using the ruler, being careful not to damage the pouches or create creases.



b) Hold the corner of the keg (by hand or using pliers).

c) Slide the fastener.

d) Position the Z-folds on the side opposite to this first corner using the spatula, being careful not to damage the pouches or create creases.



e) Slide the fastener.

f) Rotate the plate at the end of the fastener into the "closed" position
g) Screw in the crosshead screw using the screwdriver provided in the pouch replacement kit.

Repeat the same operation on the top of the keg (the closest to the connectors).

<u>On the top side of the keg (the closest to the connectors):</u>

a) Position the Z-folds at one corner of the keg using the spatula, being careful not to damage the pouches or create creases.

b) Hold the corner of the keg (by hand or using pliers)).

c) Slide the fastener.

d) Position the Z-folds on the side opposite to this first corner using the spatula, being careful not to damage the pouches or create creases.

e) Slide the fastener.

f) Rotate the plate at the end of the fastener into the "closed" position
g) Screw in the crosshead screw using the screwdriver provided in the pouch replacement kit.

8. Your keg is ready for use again

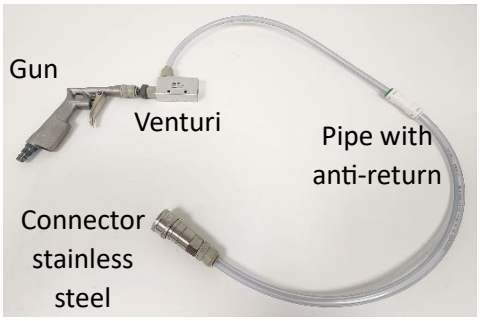
Congratulations!

Annexe

Operation and use of the passivator

1. **What is a passivator?**
   The passivator is a tool used to create a vacuum in the pouches.

2. **Composition**
   It is composed of:
   - 1 blow gun
   - 1 venturi
   - 1 hose with a check valve
   - 1 female stainless steel connector



3. **Connection and operation**

The passivator operates using compressed air supplied by a compressor set to 58 Psi / 4 bars.

The blow gun is connected to the compressor outlet.

The female stainless-steel connector is connected to the male connector of the pouch to be passivated.

Once connected to the compressor, pressing the trigger of the blow gun generates suction that creates a vacuum in the pouch.