



CSV Continuous Liner Isolator Filling

Operating Instructions

Follow these instructions when filling a continuous Liner from a containment isolator via the Ezi-Flow CSV Active.



VERSION 1.0
DATE PRODUCED 10/05/22

1:

During this procedure you will need:

- 1 CSV Active Transfer Port
- 2 Continuous Liner Pack with pre fitted Passive
- 3 Ezi-Strap/s
- 4 Drum/s
- 5 Manual Tensioner
- 6 Graduated Cutter
- 7 (Sampling) Ezi-Strap Release Tool
- 8 (Optional) Transit Cap

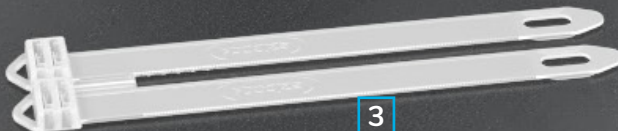
Note - An isolation valve above the CSV Active is also required.



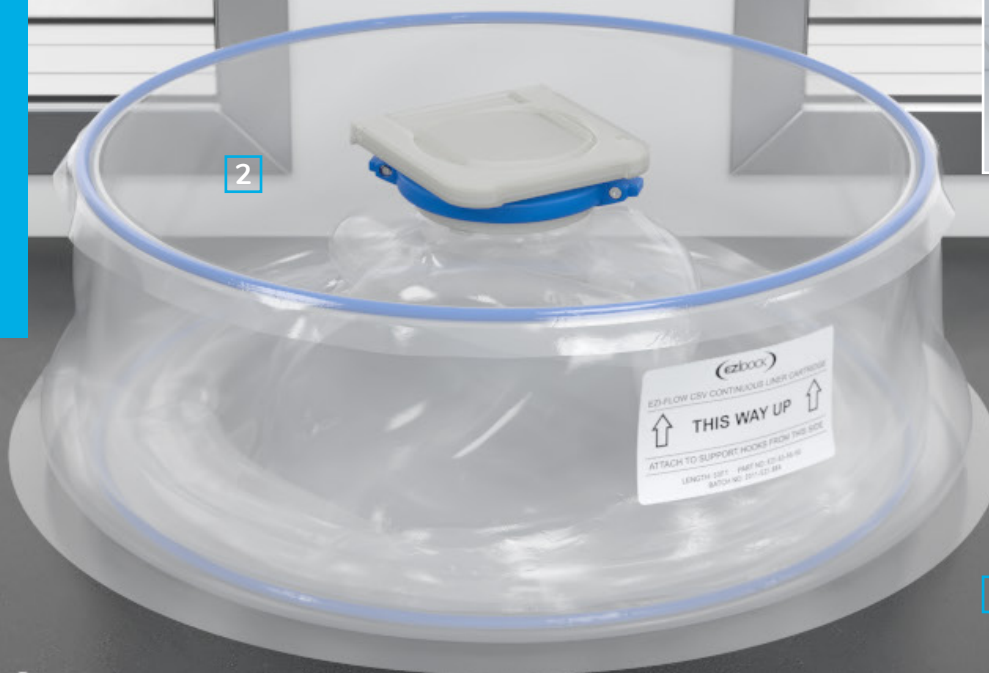
1



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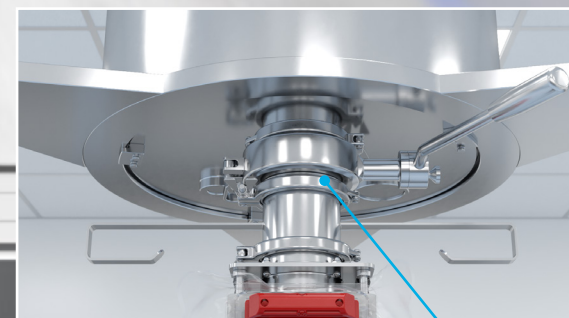
3



2



4



Isolation valve



6



5

8

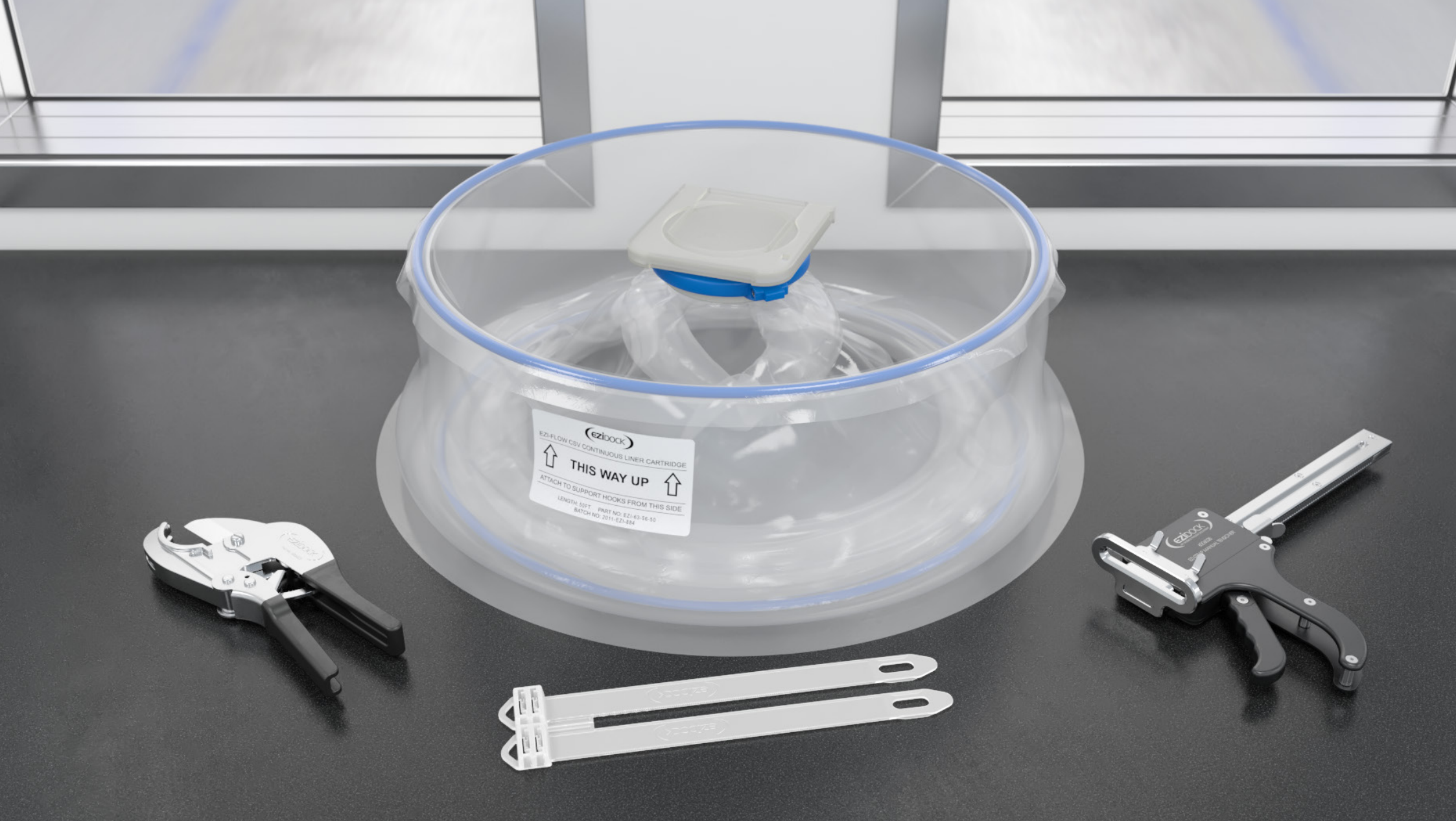




2:

An inverted CSV Active should already be connected to a flow control valve underneath the process equipment, with a drum ready to be filled.

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3:

Remove the Continuous Liner from it's packaging and locate the Ezi-Strap/s, Manual Tensioner and Graduated cutter.

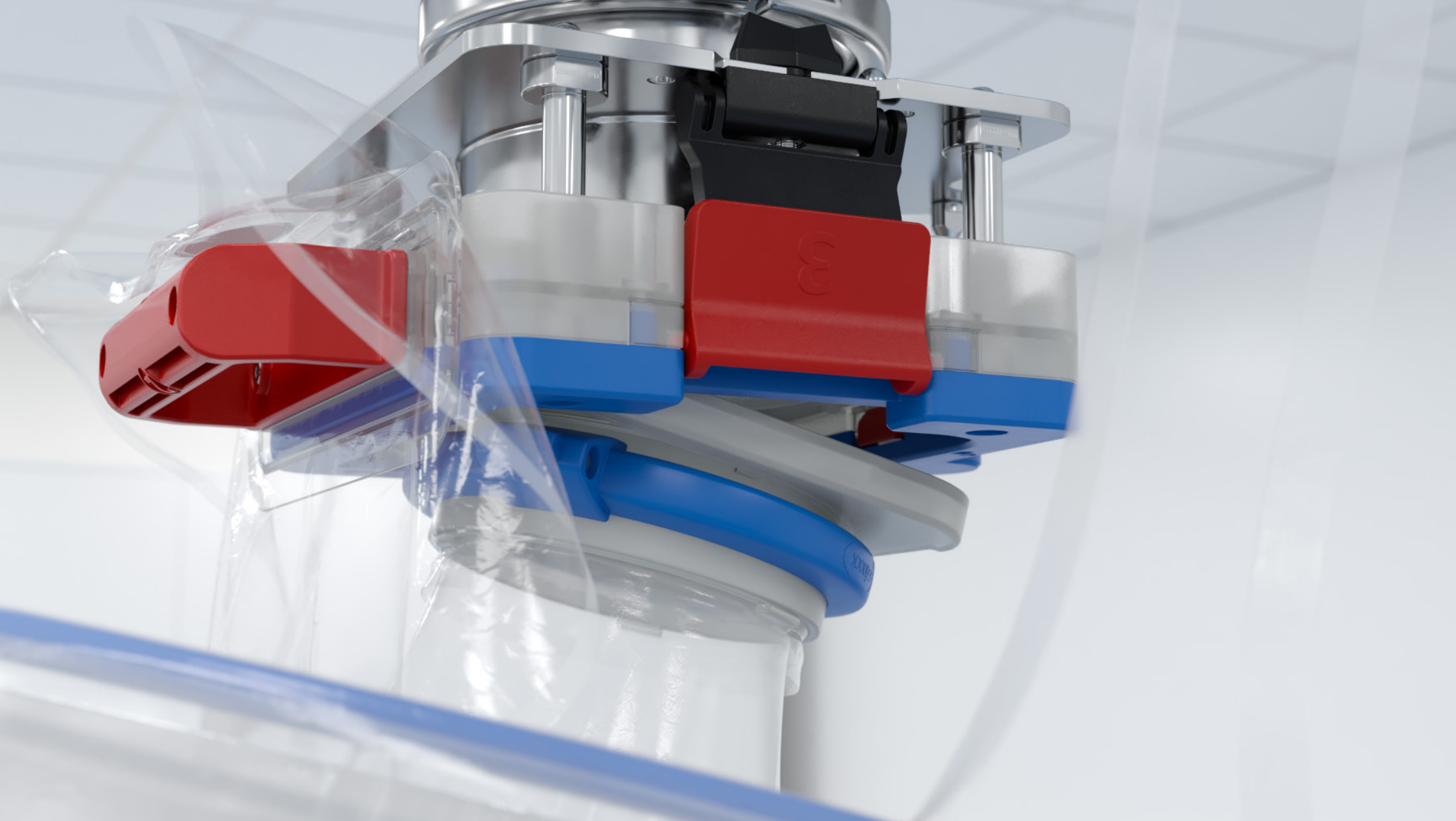
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4:

Hang the Continuous Liner on the hanger and position the passive underneath the CSV Active.

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5:

Dock the Continuous Liner, by sliding the front of the passive, under the lip of the CSV Active.

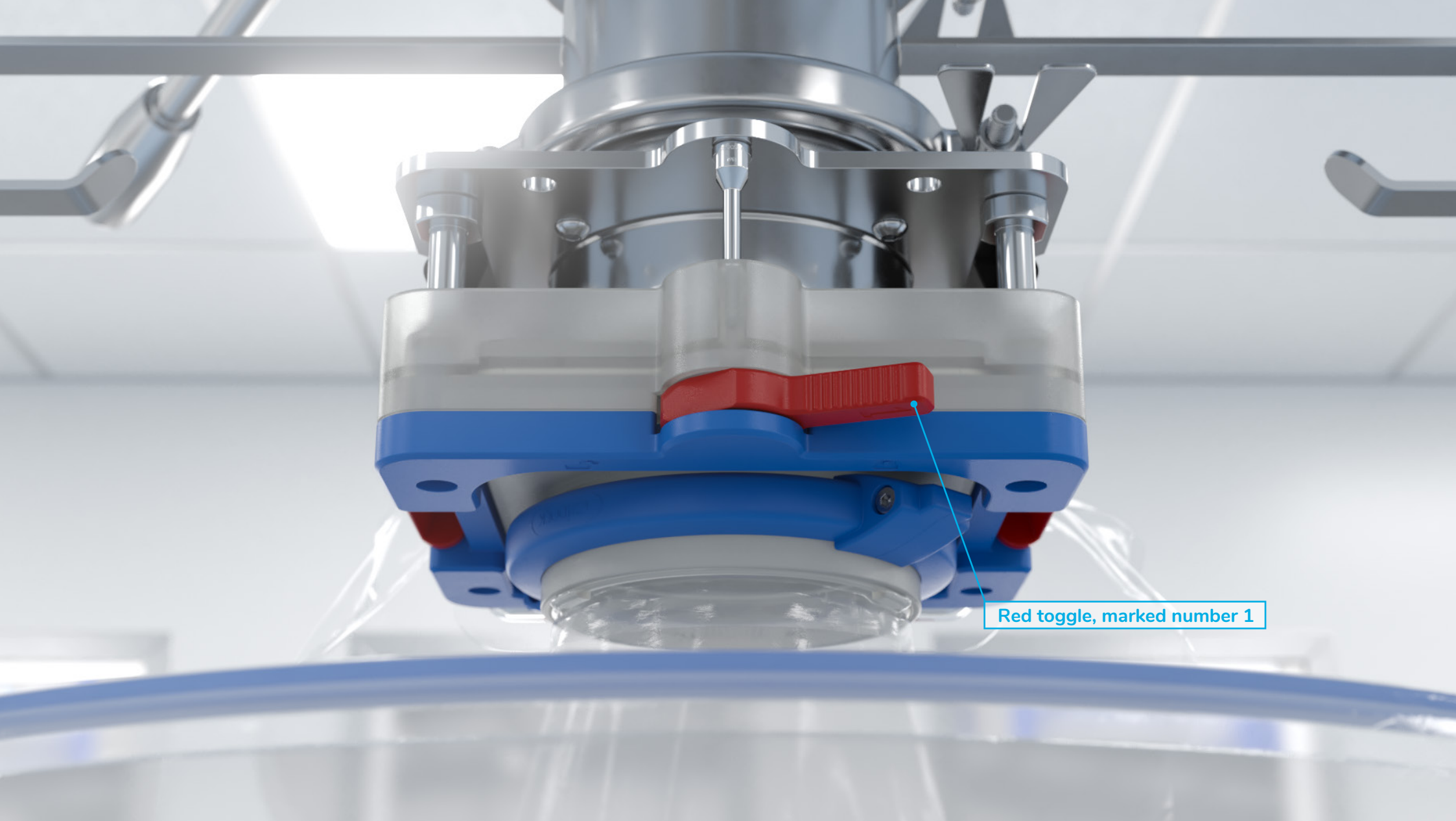
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6:

Firmly press the passive so it is flat and level at the rear.

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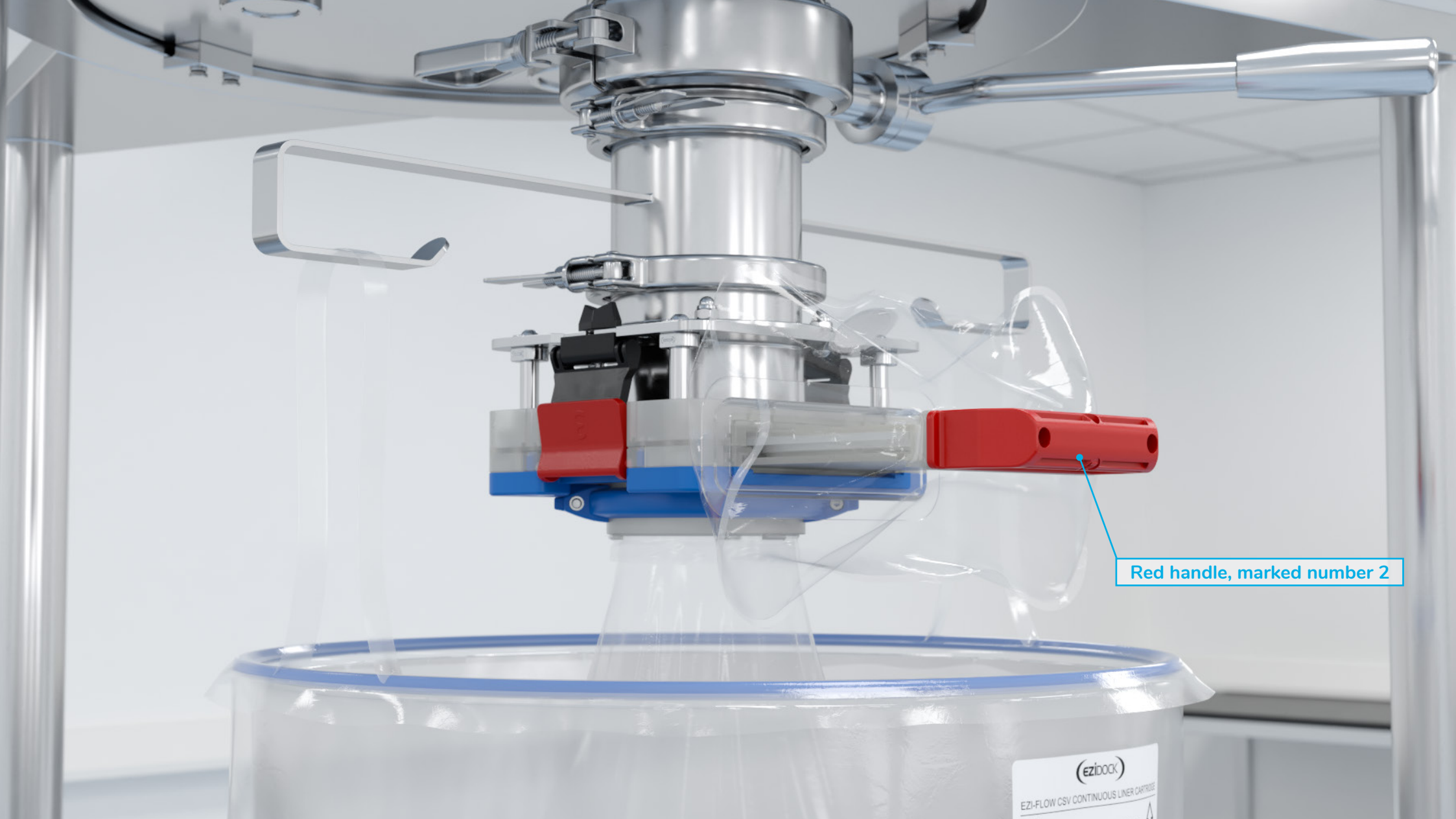


Red toggle, marked number 1

7:

Fully turn the rear red toggle, marked number 1, to lock the Continuous Liner in place and release the active and passive interlocks

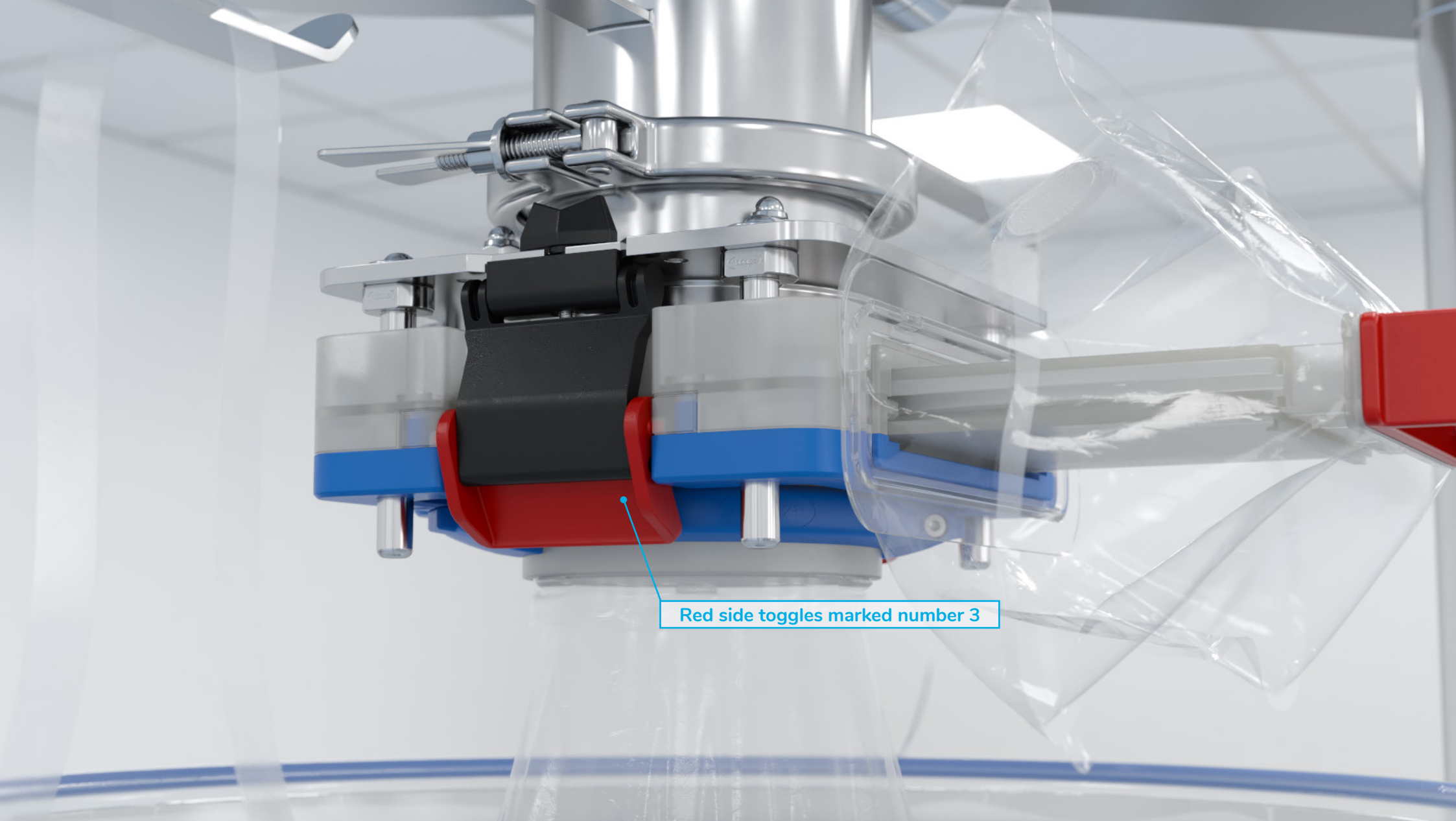
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8:

The next operation is to pull out the red handle, marked number 2. This removes the active and passive sliders.

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Red side toggles marked number 3

9:

At this point there is a void in the system, and so the two red side toggles marked number 3 need to be fully raised. This lowers the active cassette onto the active spigot and creates a contained seal.

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10:

Pull the bottom of the Continuous Liner bag down to allow for enough material to be scrunched and tied off (with Ezi- Straps).

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11:

Scrunch together the end of the Continuous Liner.

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12:

Loosely wrap an Ezi-strap around and pull hand tight.

⚠ Note: thread the straps through the bottom slots in the Ezi-strap buckle to allow the option of double tightening.

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13:

Use the Manual Tensioner to fully tighten the Ezi-Strap around the bag.

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14:

If double tightening is required, repeat those steps again, threading the straps through the top slots.

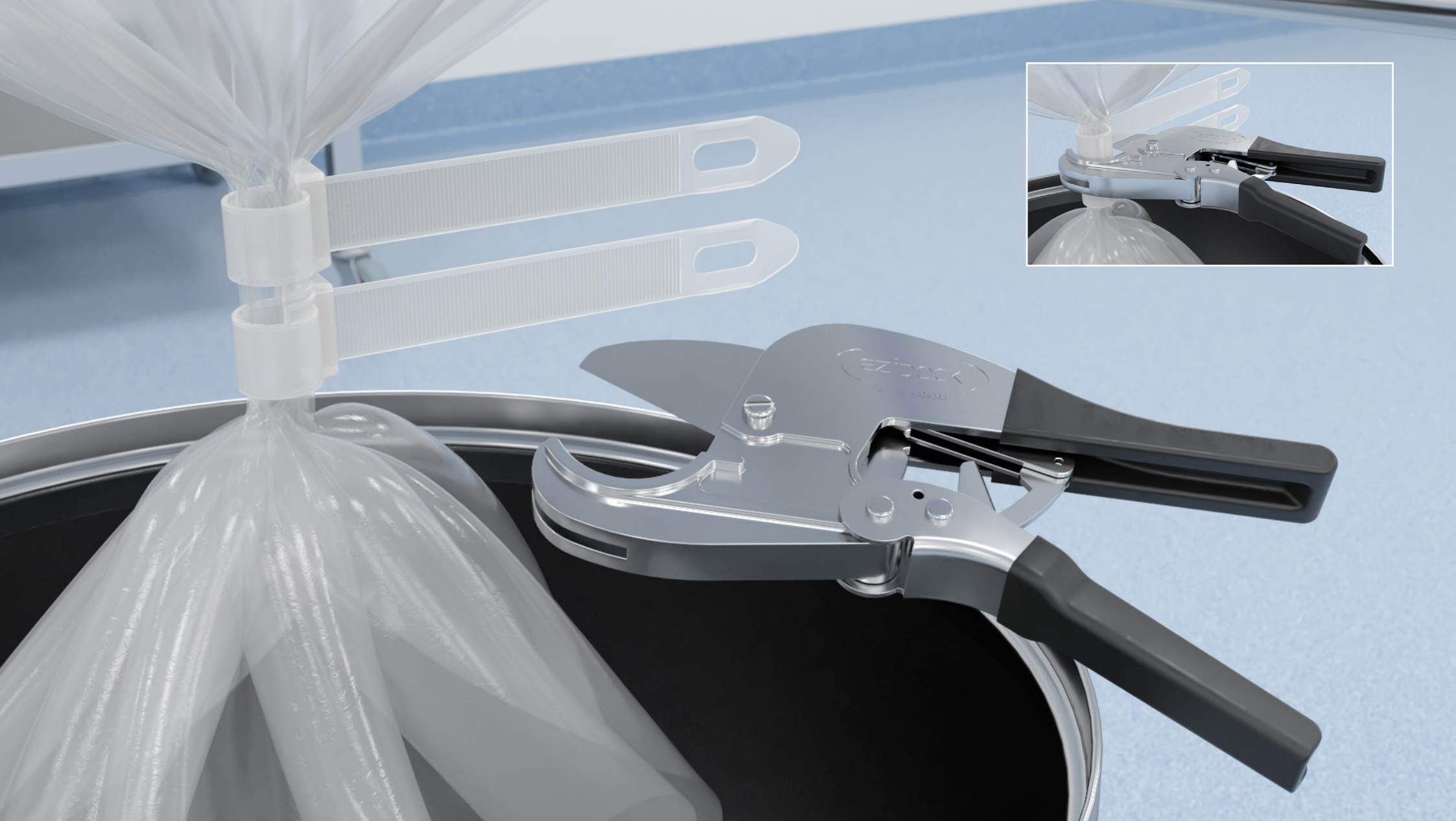
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15:

Press the release button on the back of the manual tensioner to release the manual tensioner from the strap.

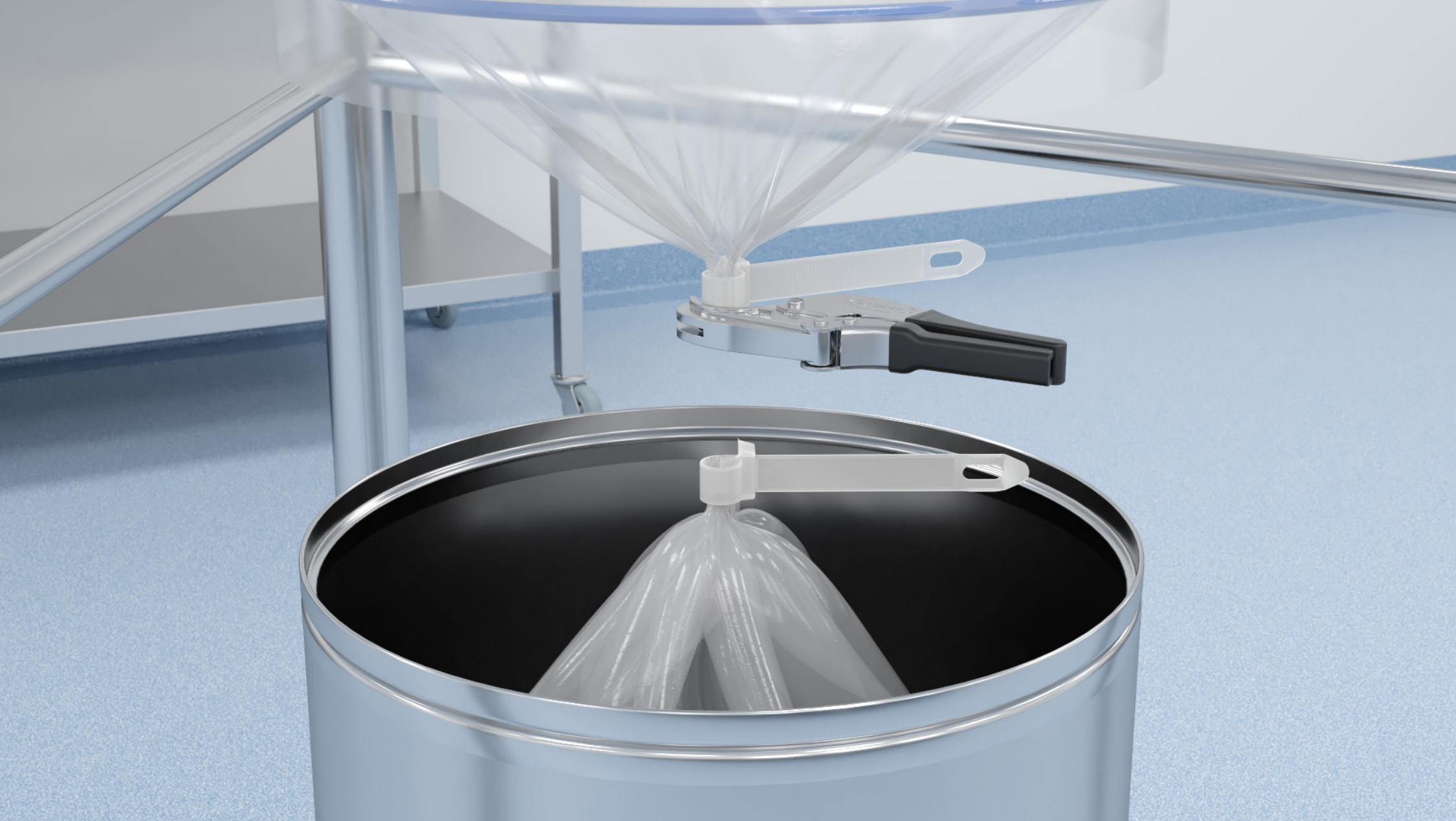
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16:

Use the graduated cutter to separate the two halves of the strap and create two sealed bag halves.

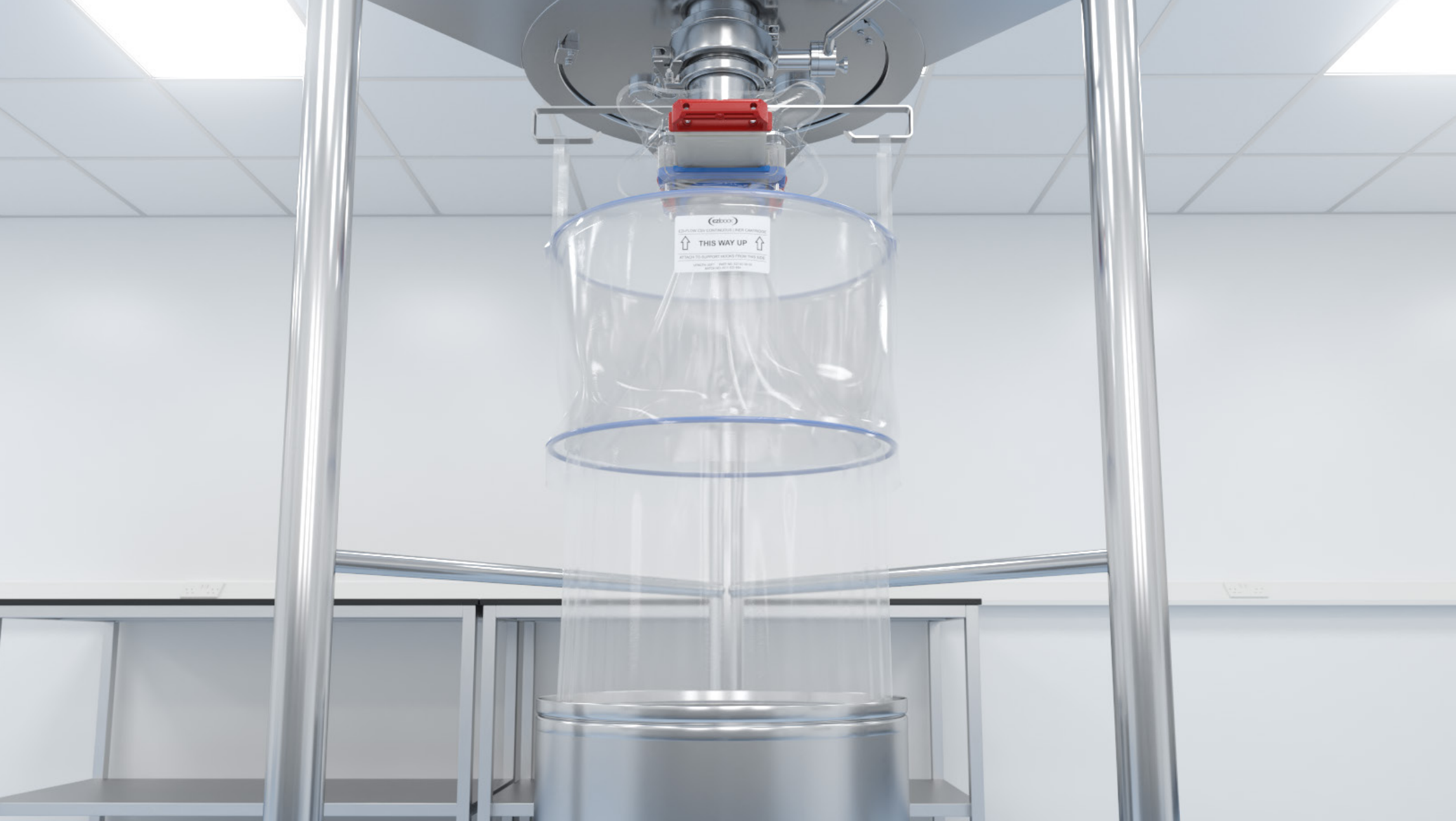
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17:

Discard of the bottom waste tail of the bag.

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18:

Pull the Continuous Liner down into bottom of drum, to create a drum liner.

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19:

Open the Butterfly Valve to allow product to flow freely through the CSV Active, until the drum is filled to desired level.

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20:

Close the Butterfly Valve.

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21:

Repeat the strap procedure to seal the bag. Loosely wrap an Ezi-strap around and pull hand tight.

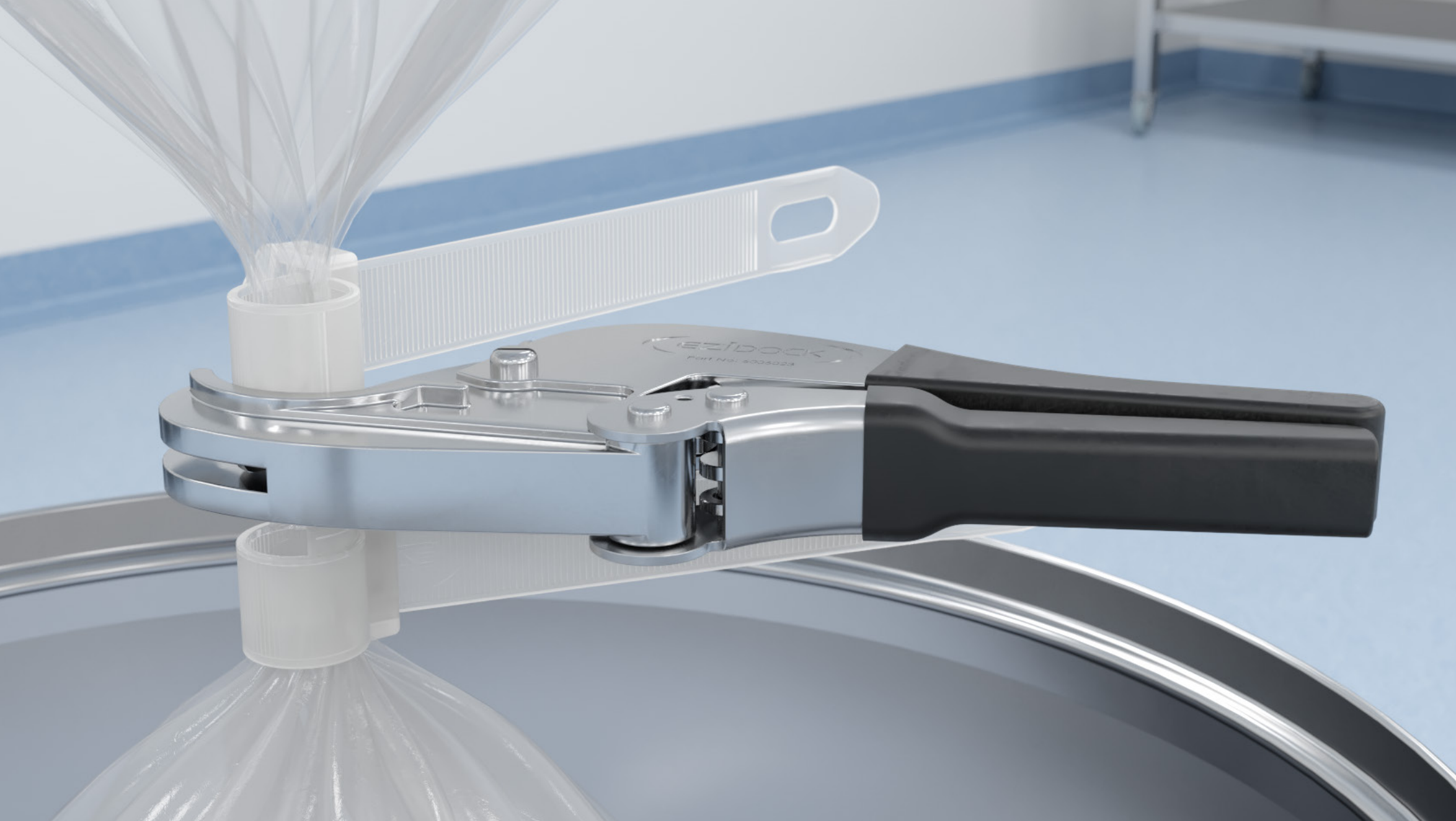
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22:

Use the Manual Tensioner to fully tighten the Ezi-Strap around the bag.
(Repeat process through the top slots if a double loop is required).

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23:

Use the Graduated Cutter to separate the two halves of the strap and create two sealed bag halves.

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24:

Seal the drum with the bag inside.

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25:

(Optional)

Red Transit Cap can be used to protect the drum bag.

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26:

Prepare another drum for filling.

Repeat steps (18-24).

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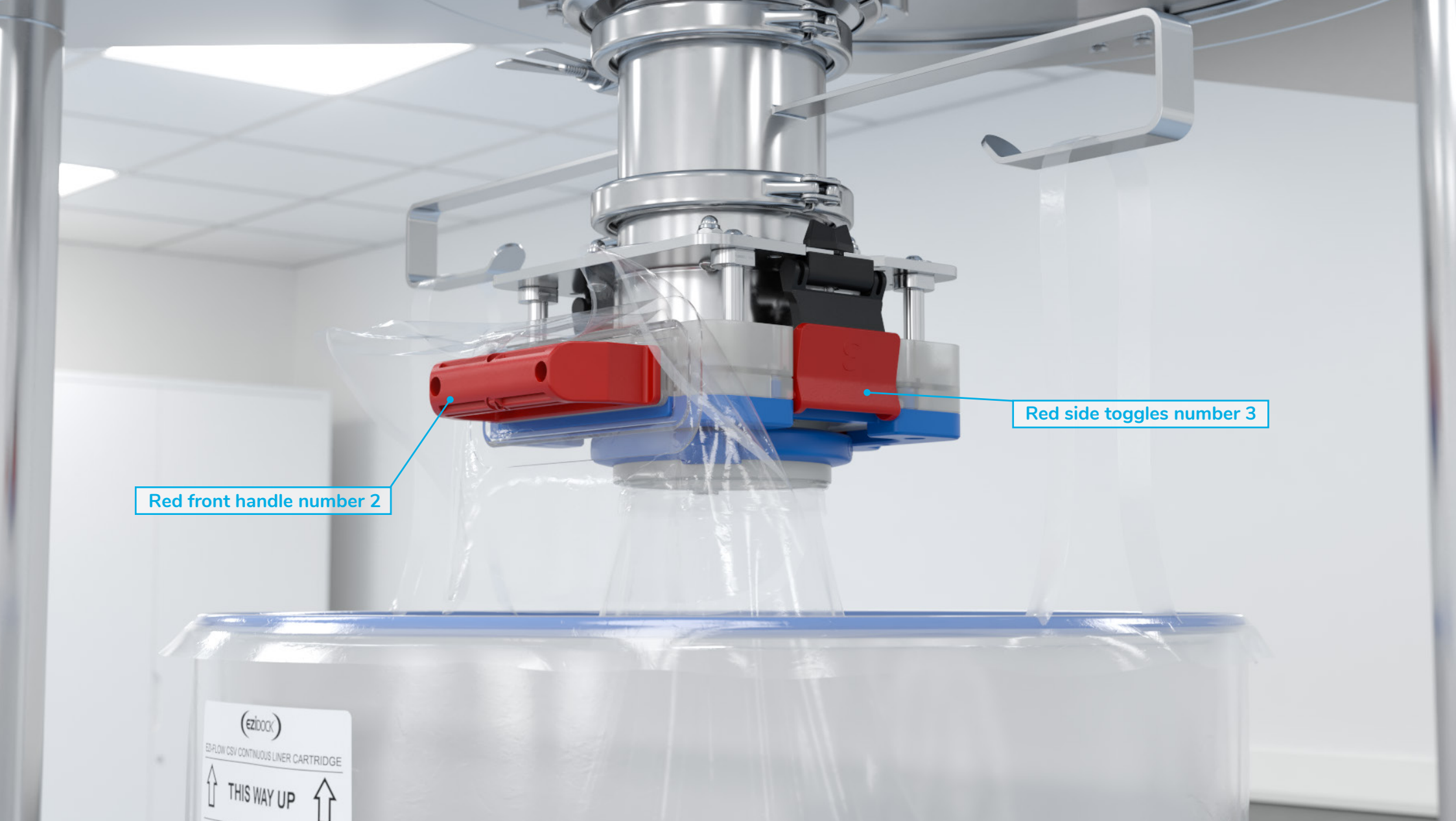
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27:

Once the Continuous Liner has been fully used, reverse the docking procedure to remove the passive and discard the liner.

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Red front handle number 2

Red side toggles number 3

28:

Lower the Red side Toggles, marked number 3, push back the front red handle, marked number 2, fully turn the rear red toggle, marked number 1 to its unlock position.

 Careful not to let the continuous liner and passive drop

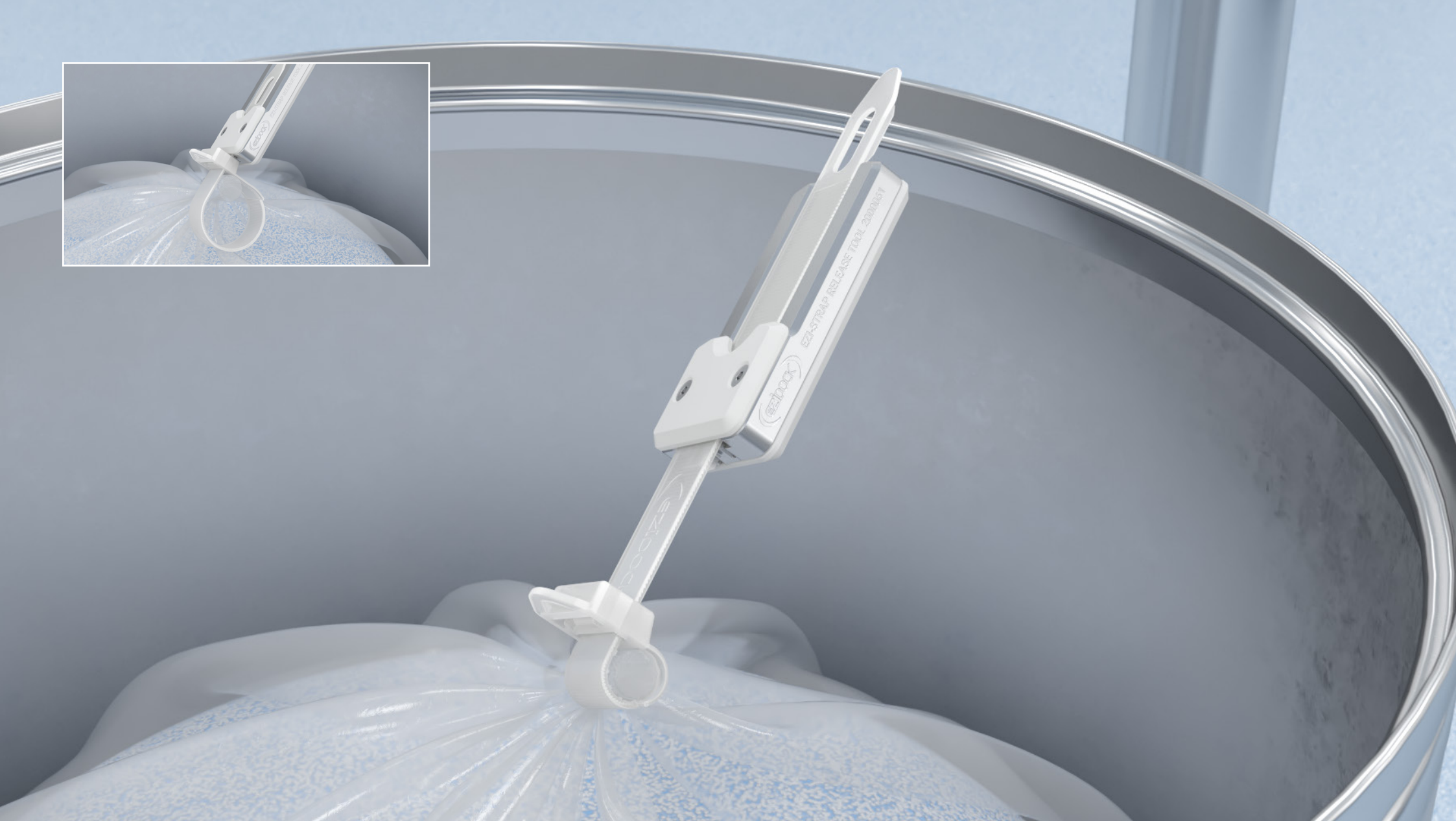
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29:

Now the used Continuous Liner can be lifted clear of the active and bagged for safe disposal.
The process is complete.

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30:

(Optional for Sampling)

The Ezi-Strap Release Tool can be used to re-open the bags once filled

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