



# Flow Wash System

## For the Centrego Flow series



On-site ECA solution generator cleaning system

The Centrego Flow Wash system  
Is designed to maintain the Centrego  
Flow series systems.

Use of the Flow Wash system ensures  
the ECA cell and pipes are cleaned of  
any internal residue caused by hard  
water or for any other reason.

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This manual covers the daily operation of the device using photographs and step-by-step guides.

If any further information is needed, please contact the manufacturer.

**Flow Flush Sytem Layout**

**WARNING:**

This information is designed to increase understanding of the device for customers.

We recommend that you do not touch, change, or modify anything on this device without consulting the manufacturer before hand or without full training from Centrego staff. No user service-able parts inside.

**DANGER:**

The Toucan Eco Flow 40 uses domestic mains electricity. We do not advise opening the device without consultation from the manufacturer. This device is built to multi national standards but with improper use electric shock may occur.

- 1 - Flow Flush system lid
- 2 - Flow flush system tank
- 3 - Flow flush pump (inside tank)
- 4 - In line power switch
- 5 - in line Transformer
- 6 - Adapter for Flow device power cable
- 7 - Tube connections



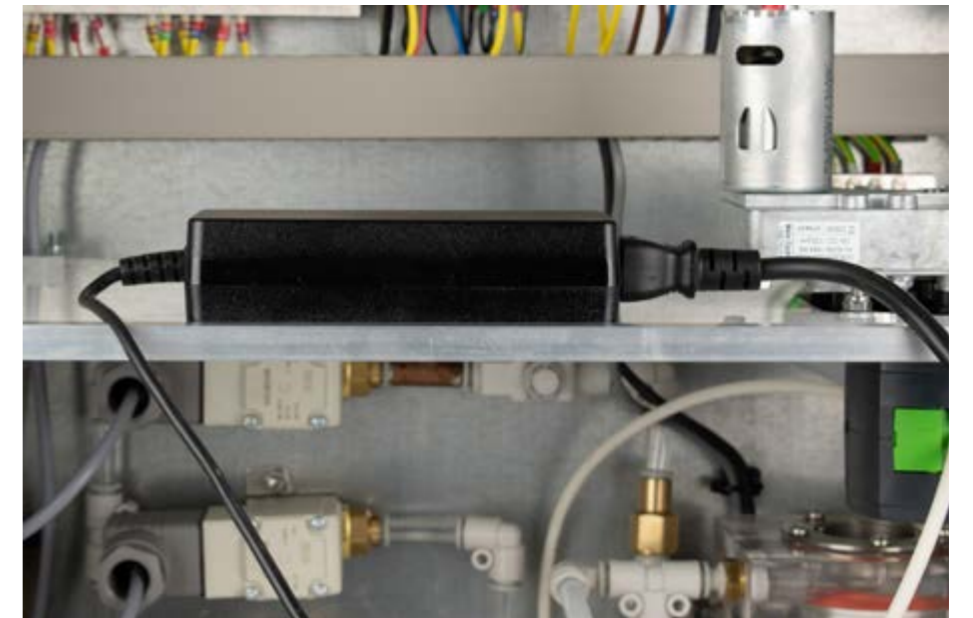
**NOTE:**

The dispenser may vary in visual appearance due to improvements and changes in production. If you have any questions, please contact the manufacturer.

**DANGER:**

Whilst following the Flow Flush system instructions. Make sure that the power pack/transformer for the Flow Flush device is away from any moisture.

The power pack has been put on the shelf inside the Flow 40 device in this picture. This is one way this item can be kept away



## Cell flushing system guide

The membrane cell is sensitive and requires regular checks and maintenance. The cell will require descaling to remove minerals and limescale deposits.

This is done by flushing the cell through with a weak acid solution. It is recommended to use either white vinegar or a diluted hydrochloric acid solution.

To undertake the cell flushing process:

Before following this process, activate the 'E-STOP' button on the front of the Flow device  
Do not plug the Flow wash system into the Flow device until instructed.



Remove the pipe from the Catholyte output. Push the push-fit ring around the tube into the device as shown



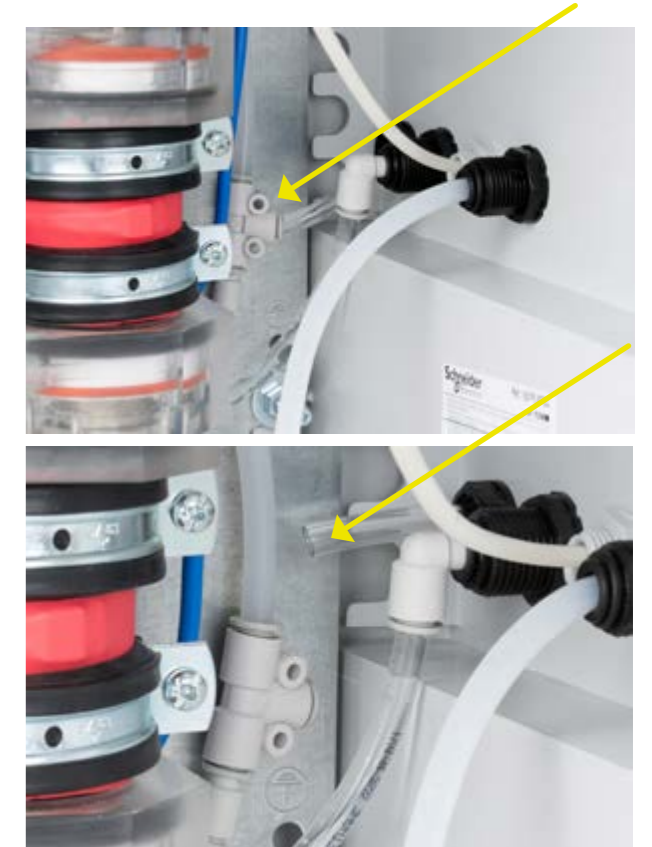
Whilst holding the circular ring into the device, pull the tube out of the fixing simultaneously. The pipe will detach from the fitting.



## Remove Anolyte pipe from device

To remove the Anolyte pipe, find the 'T' shaped connector as shown here with a yellow arrow. This is inside the device at the bottom right-hand side.

Use the push-fit system to disconnect the pipe. The image shows the view after the pipe has been disconnected.



From the outside of the Flow 40 device, the pipe will now be loose but still be inserted. You do not need to rotate the black screw-fixing to remove the pipe.



Lightly pull the pipe out of the Anolyte connection.



## Open door and detach pipe

Open the door of the Flow device



The peristaltic pump tube will need to be taken out. The end of the tube is highlighted in the picture with a yellow arrow



Push the ring around the connection, then pull the hard end of the tube out simultaneously.

After pulling out the tube end, some fluid may come out. We recommend cleaning this fluid up to keep the inside of the device dry.



## Connect brine inlet on cell tube

Locate a tube from the Flow wash system kit. Make sure one end of the tube can reach the inside of the Flow device and the other to the Flow wash system. Make sure the tube will not get caught, and therefore no liquid flow is restricted.

Push one end of the tube into the same place the brine tube came from. Make sure this is fixed into the push-fit connection.

Ensure the Flow wash system is next to the Flow device and near a plug socket to be plugged in for the operation.

Push and fit the other end of the pipe into the Flow wash system into the hole as shown with the yellow arrow. This connection will be labelled 'Connect to brine inlet to cell'.

Check that the tube is firmly connected on both ends.



### Replace anolyte and catholyte tubes

Remove the existing Anolyte and Catholyte tubes and then make sure that any excess moisture is cleaned.

Connect one of the tubes from the Flow wash kit from the Anolyte connection on the Flow device.



Connect the other end of this tube to the 'Connect to Anolyte' labelled input. Make sure that both ends of the pipe are correctly fixed, and the pipes are secure.



Connect another tube from the Flow wash system into the Catholyte connection on the Flow device



Connect the other side of this tube to the 'Catholyte out' connection on the Flow wash device. Make sure that both ends of the tube are fixed correctly.



### Rinse cell using water

With the Flow wash system still in place fill the Flow wash system tank with clean water. This water must be fresh and clean from a drinking water tap. Ensure that there are no particulates or floating pieces in this water.



Turn the system on at the inline power switch to let the system rinse with fresh water for 10 minutes.



Dispose of water that has been used for rinsing the system out into a domestic sink. You may need to use a bucket as the system will still be connected to the device.

Once this is complete, remove the Flow flush device and replace all original system pipe connections. Turn the device on by releasing the 'E-STOP' and run the system for 10 minutes to ensure all pipes are fully connected and no moisture leaks due to disconnected pipes, before closing the door.

