



LINX[®] System

Quick Start Guide

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This training manual is intended as an aid in supporting the training and education of physicians, nurses and Home Hemodialysis (HHD) patients. It is intended only as a support and is not intended to replace the judgment or experience of the attending physicians and nurses. The home hemodialysis treatments as well as the decisions concerning specific patient treatments are within the sole responsibility of the attending physicians and nurses. It does not replace personal training and a careful review of the relevant Instructions for Use and Summary of Product Characteristics. The hygienic guidelines applicable in each country, hospital or other facility are to be complied with.

To prevent infection, always use aseptic technique when gathering supplies and making connections.



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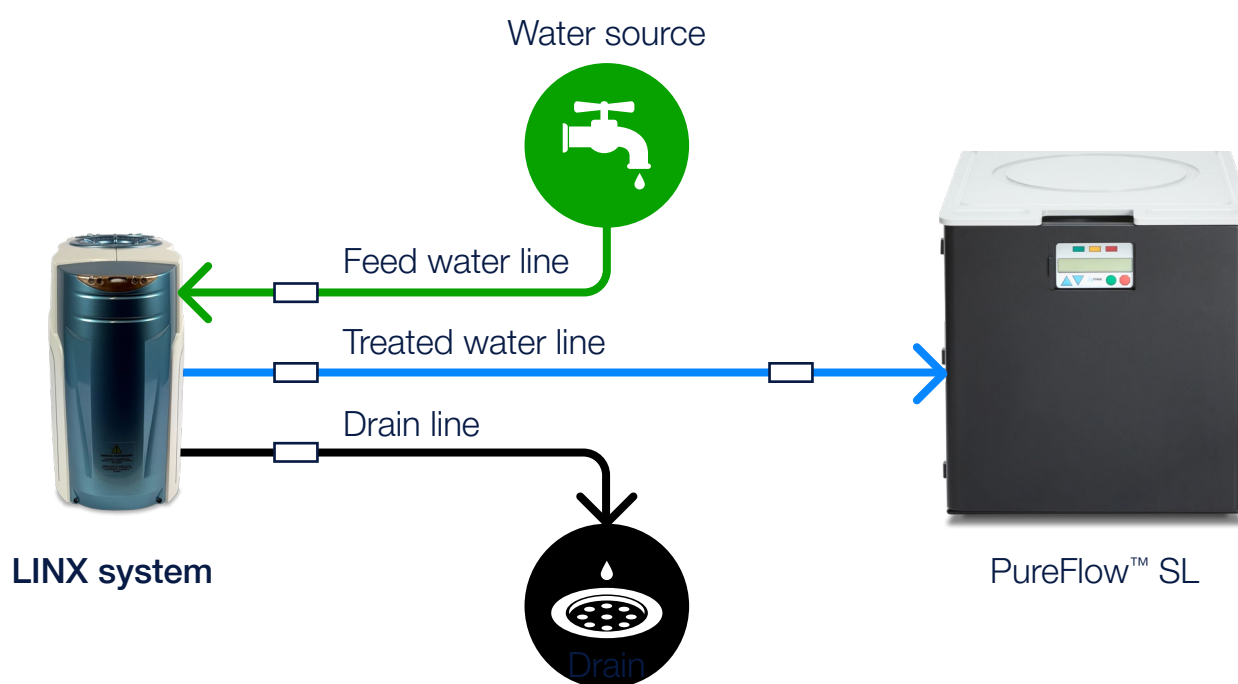
Replacing the LINX DI Cells

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The LINX® water pre-treatment system reduces water hardness, suspended solids, and total dissolved solids (TDS) with two types of filters:

Deionization (DI) cells –Two replaceable water filters that contain special resins that electrostatically remove impurities from tap water.

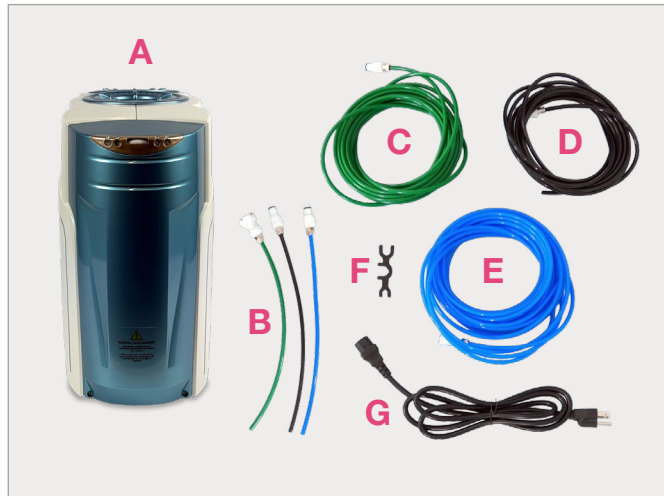
Five-micron sediment filters – Two sediment filters located before and after the Deionization (DI) cells. The LINX system sediment filters are not user-accessible.



Do not use the LINX system within 6 feet (2 meters) of the PureFlow SL or any medical equipment.

LINX Water Pretreatment system

- A** LINX system
- B** Unit connectors (green, black, blue)
- C** System feed water line (green)
- D** System drain line (black)
- E** Treated water line (blue)
- F** Line release tool
- G** Power cord



Preparing the LINX for installation

- 1. Remove** the two top blue covers by turning them to the right, lightly pushing on the front edge and lifting the rear edge.



- 2. Ensure** the two DI cell seals are tight by turning each cell to the right.



- 3. Ensure** the middle segment of each cell is in line with the seam on the top of the LINX unit.

The included wrench may be used to tighten the cells.



- 4. Replace** both blue covers by aligning the latches on the underside of each cover with the open segments of the unit. Turn each cover to the left until tight.



Connecting the unit connectors

- 1. Push** the line release tool against the colored ring while pulling out the plug from the FEED, DRAIN and PRODUCT connection ports.



The yellow port is not used.



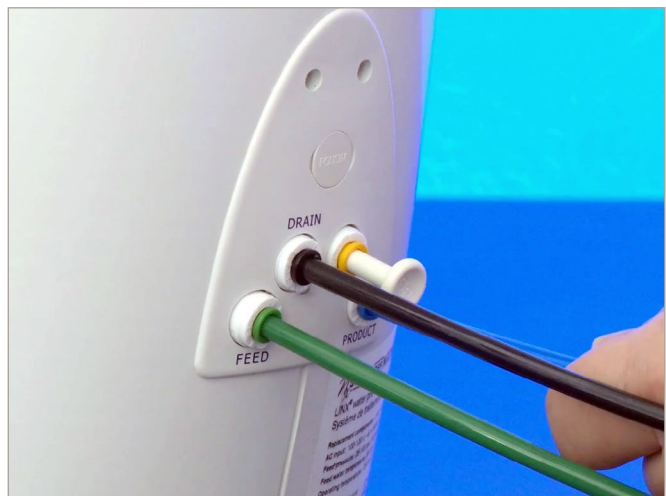
- 2. Push** the open end of the green unit connector into the green FEED connection port until you feel resistance.



- 3. Push** the open end of the black unit connector into the black DRAIN connection port until you feel resistance.



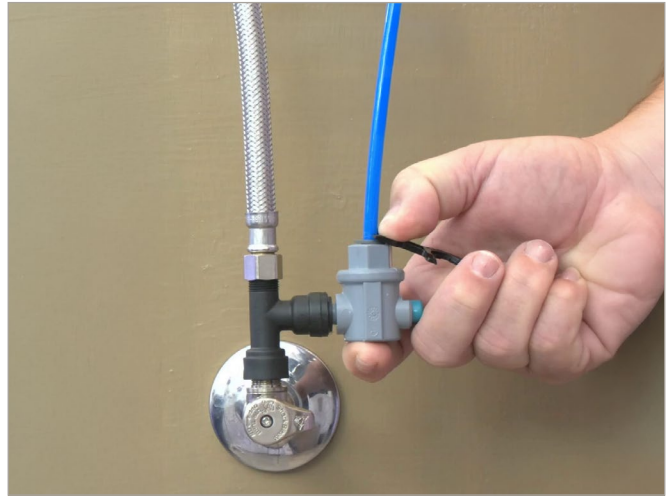
- 4. Push** the open end of the blue unit connector into the blue PRODUCT connection port until you feel resistance.



Connecting the system feed water line

1. Turn the cold water off.

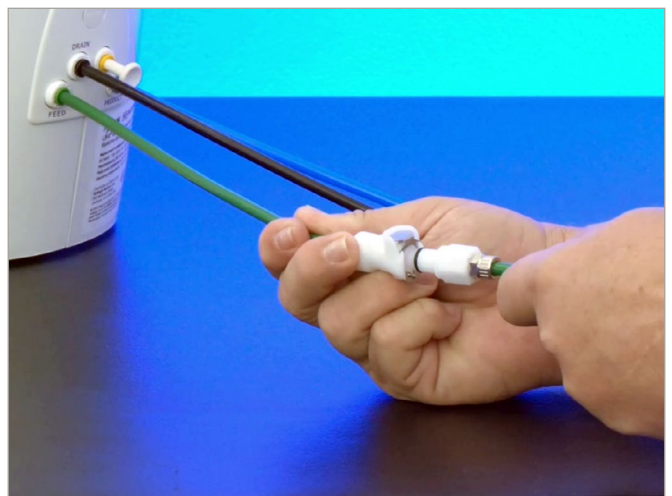
If your feed water line is already connected to the PureFlow SL, use the line release tool to remove the PureFlow SL source water line.



2. **Install** the green LINX feed water line to the feed water adapter.

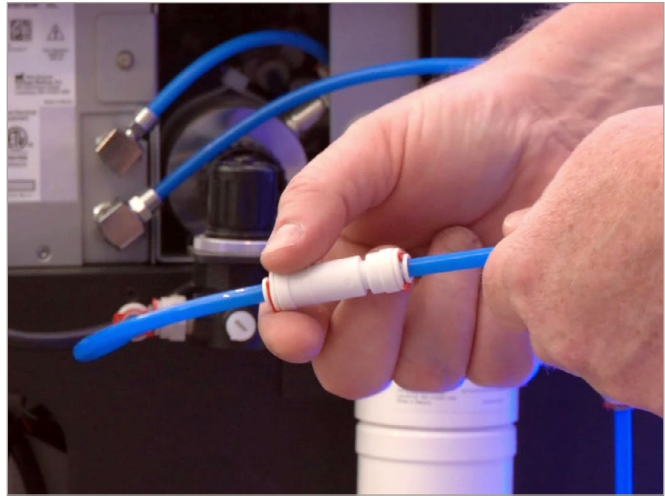


3. **Connect** the *Quick Disconnect* on the green LINX feed water line to the *Quick Disconnect* on the green unit connector until you hear a click.



Connecting the treated water line

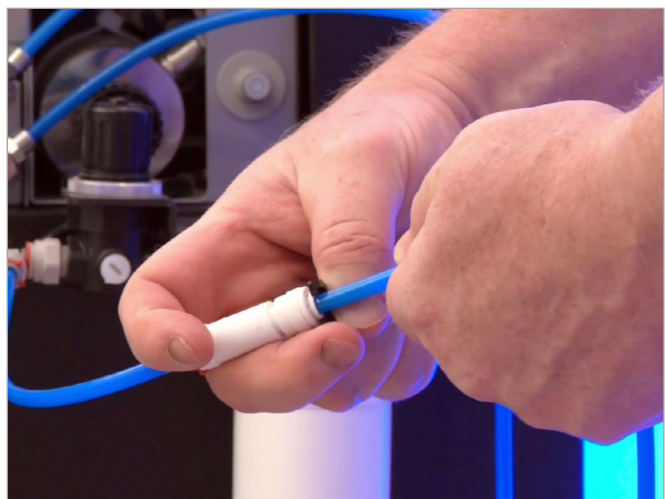
1. **Locate** the blue PureFlow SL feed water line connected to the pre-attached water line.



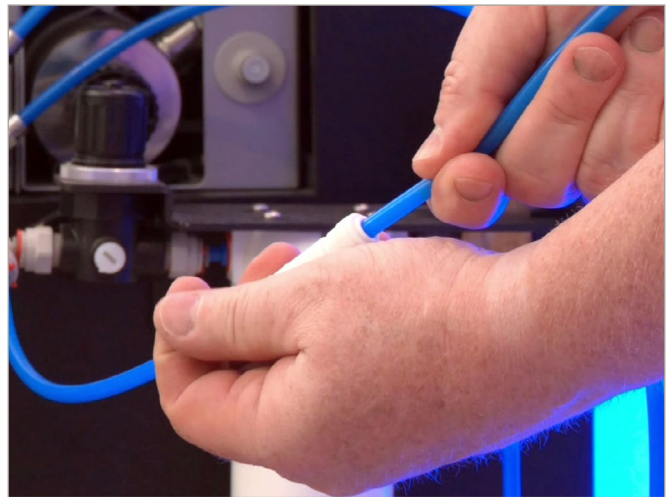
2. **Pull** the red locking clip straight out.



3. Using the line release tool, **push** the retaining ring of the back-check fitting flush, while **pulling** the blue Pure Flow SL feed water line straight out.



- 4. Push** the open end of the blue LINX treated water line fully into the open end of the back-check fitting. **Gently pull** on the line to ensure it is secure.



- 5. Insert** the red locking clip.

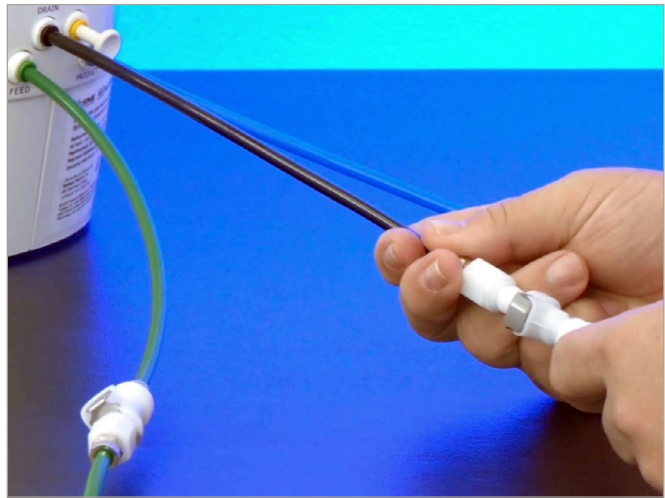


- 6. Insert** the *Quick Disconnect* on the blue LINX treated water line to the *Quick Disconnect* on the blue unit connector until you hear a click.



Connecting the system drain line

1. **Connect** the *Quick Disconnect* on the black LINX drain line to the *Quick Disconnect* on the black unit connector. Listen for a click to ensure a secure connection.

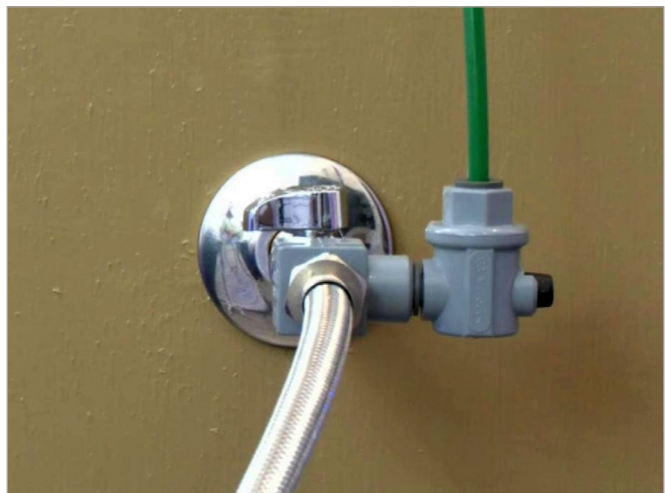


2. **Run** the black LINX drain line to a liquid drain, which may be shared with the PureFlow SL drain line.

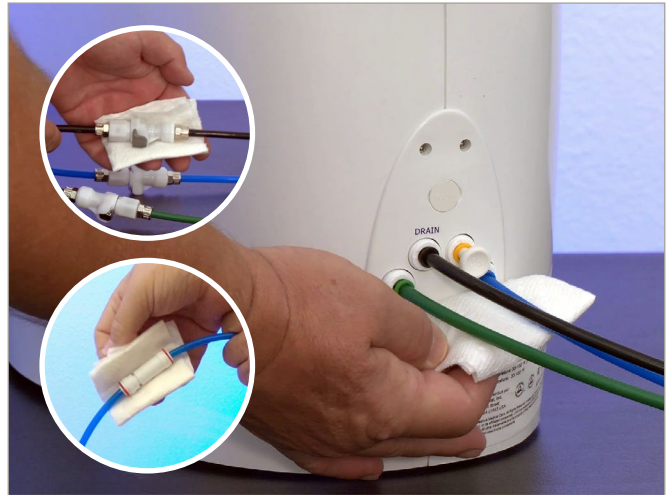


Turning on the LINX system

1. **Turn on** the feed water source.



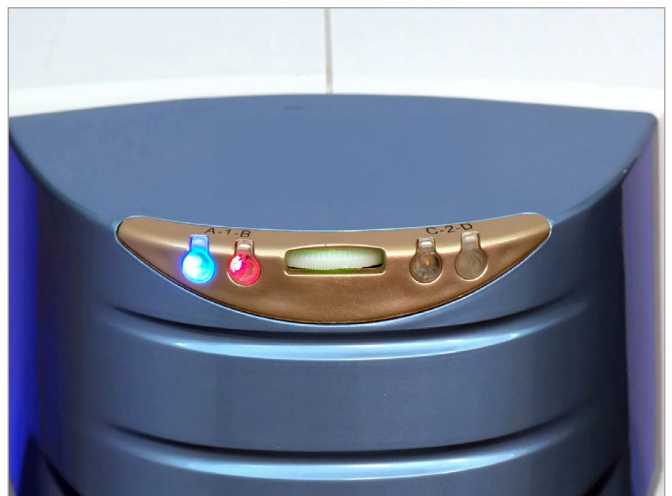
2. Check connections for leaks.



3. Plug the power cord into the back of the LINX unit and the other end into a grounded power outlet.



4. The LINX unit will perform a series of self tests before entering normal operating mode.



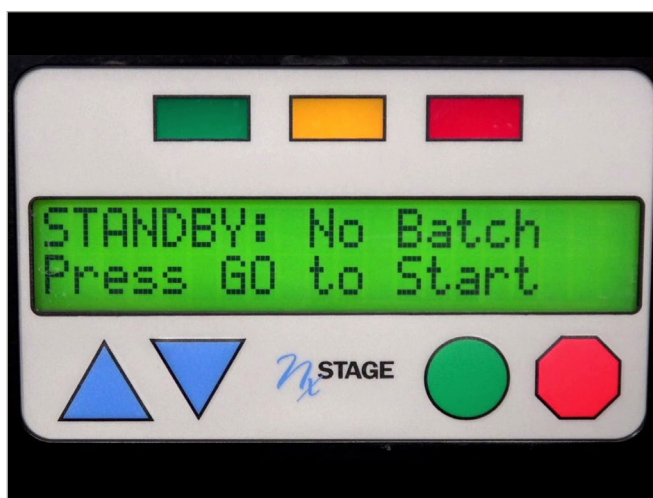
Replacing the LINX DI Cells

Preparing the LINX System

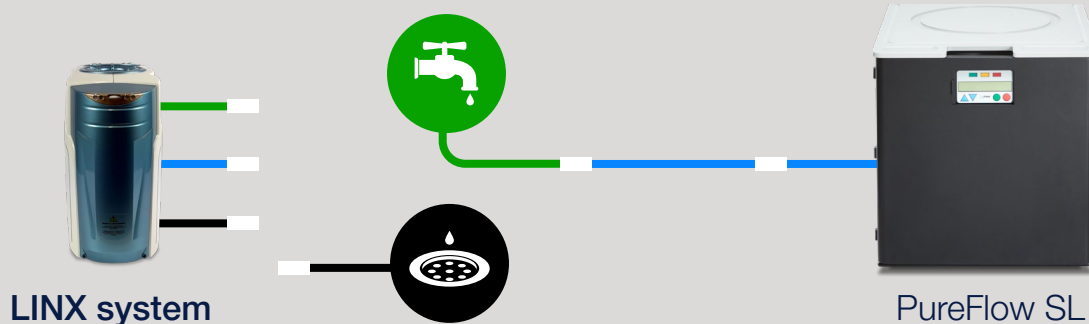
1. The LINX system indicator lights will notify you when the DI cells need to be replaced.



2. **Ensure** the Pure Flow SL is not in *Make Batch* mode or priming a pack.



BYPASS Mode configuration



Placing the LINX System into BYPASS Mode

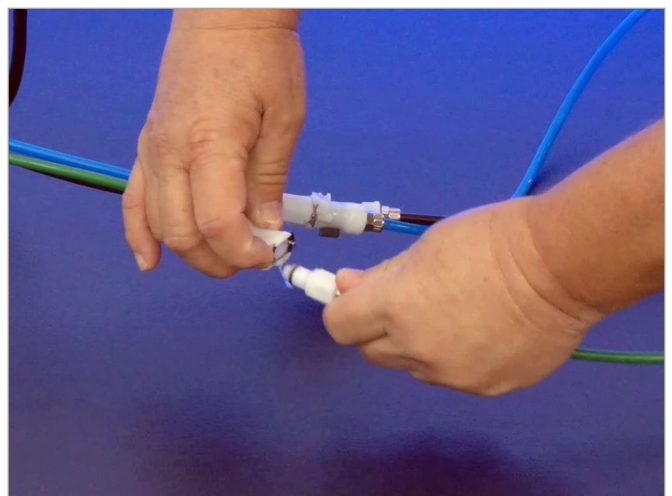
1. Turn off the feed water supply.



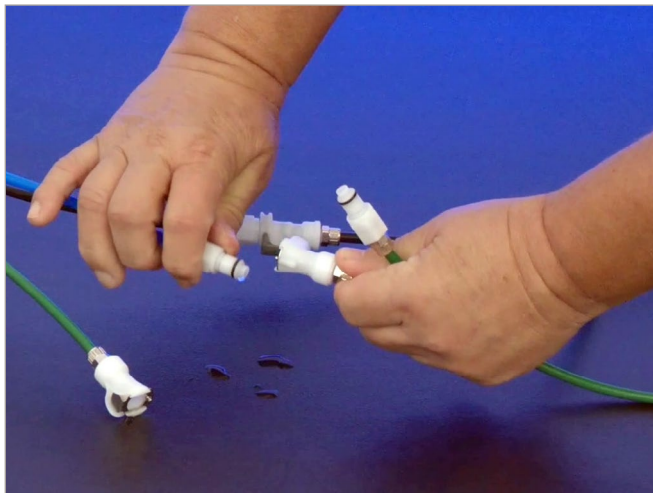
2. Unplug the LINX system unit.



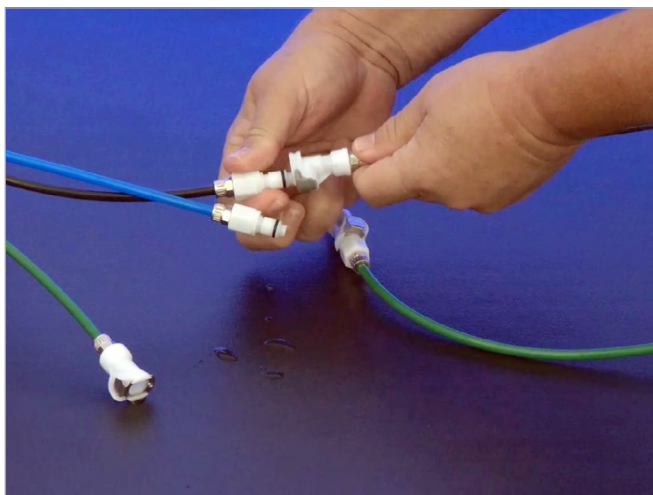
3. Disconnect the *Quick Disconnect* between the green unit connector and the green feed water line.



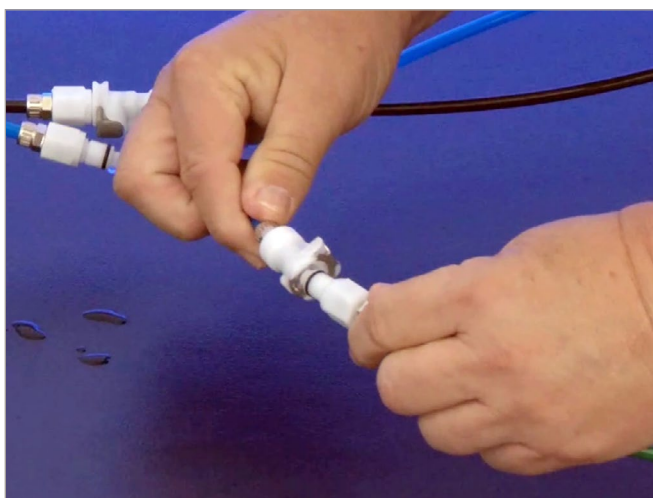
- 4. Disconnect** the *Quick Disconnect* between the blue unit connector and the blue LINX treated water line.



- 5. Disconnect** the *Quick Disconnect* between the black unit connector and the black drain line.



- 6. Connect** the *Quick Disconnect* of the green LINX feed water line to the *Quick Disconnect* of the blue LINX treated water line.



- 7. Press** the tip of the quick-disconnect of the blue LINX treated water line over a bucket to depressurize the LINX system.



Replacing the LINX DI Cells while in BYPASS Mode

- 1. Place** the LINX system on a stable surface.

Remove the front top blue cover by turning it to the right, lightly pushing on the front edge and lifting the rear edge.

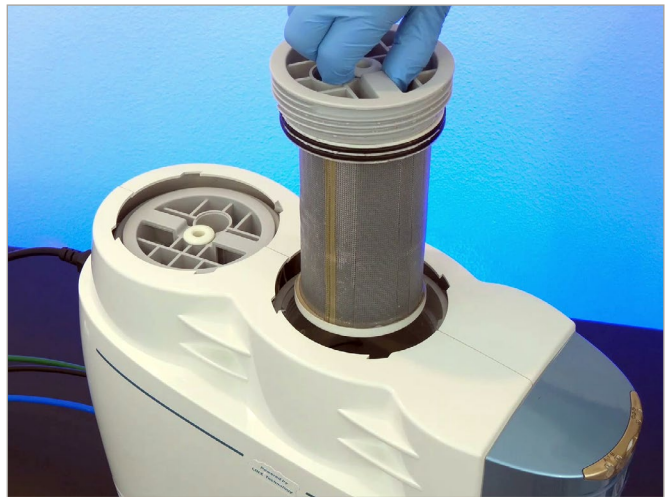


- 2. Push** the wrench onto the DI cell housing to engage and turn 2 full rotations to the left.

It is recommended to wear gloves when handling the DI cells.



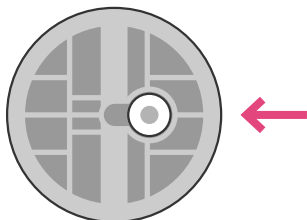
- 3. Grasp** the cell top, securing the circular knob on the top of the DI cell by holding the knob against the cell top. **Lift slowly** to allow the water to drain from the cell into the unit.



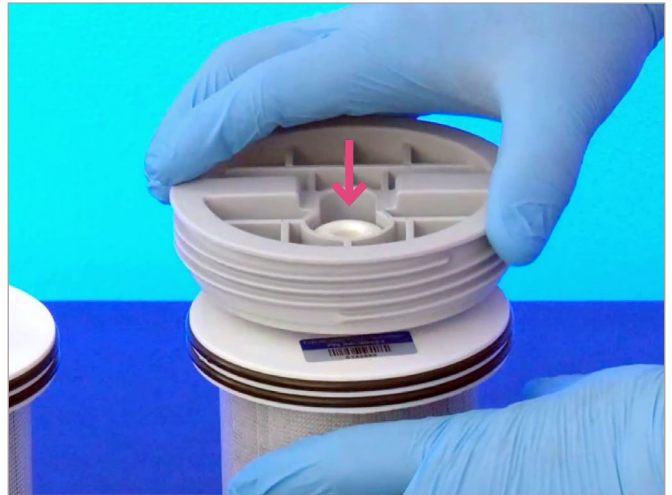
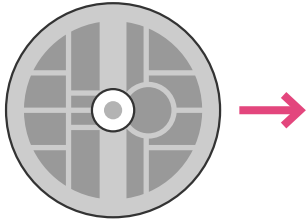
- 4. Remove** all excess water from the empty cell housing using the large pipette.



- 5. Slide** the cell top over the cell to release the circular knob from the smaller opening of the cell top to the larger opening.



- 6. Place** the large opening of the cell top over the circular knob of the new cell and slide the cell top so the circular knob is in the smaller opening of the cell top.



- 7.** Holding the DI cell securely under the cell top, **slowly place** the cell into the empty cell housing opening in the unit.



- 8. Hand tighten** the DI cell into the housing by turning it to the right.



9. Use the wrench to turn the cell top to the right until the cell top aligns with the seam on the top of the unit.



10. **Replace** the front blue cover by aligning the latch on the underside of the cover with the open segment of the unit. Turn the cover to the left until tight.

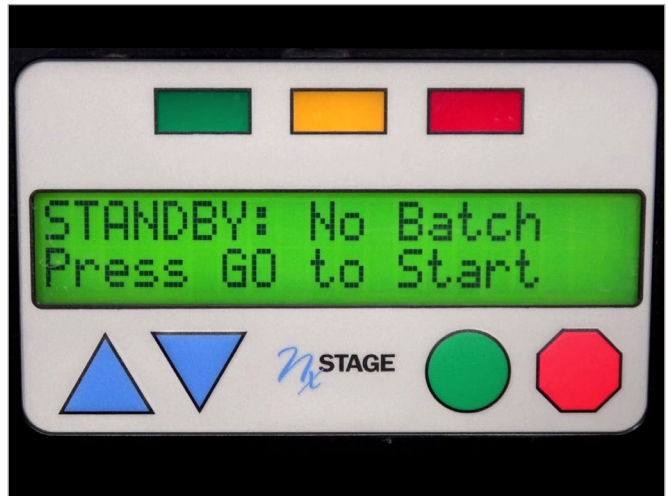


11. Repeat these steps to replace the back DI cell.



Returning the system to normal operation

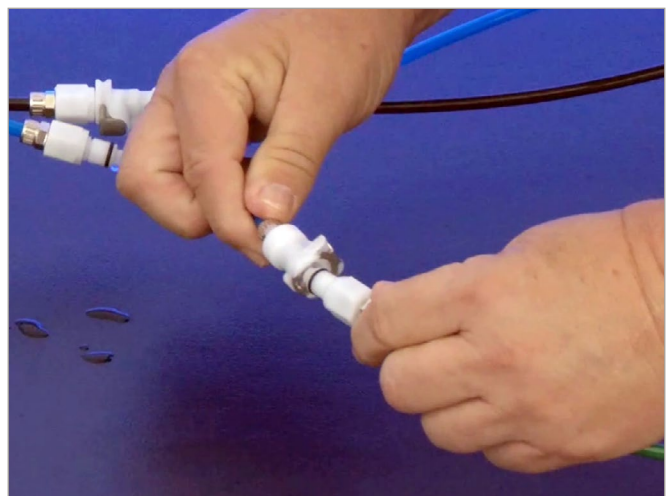
1. **Ensure** the Pure Flow SL is not in *Make Batch* mode or priming a pack.



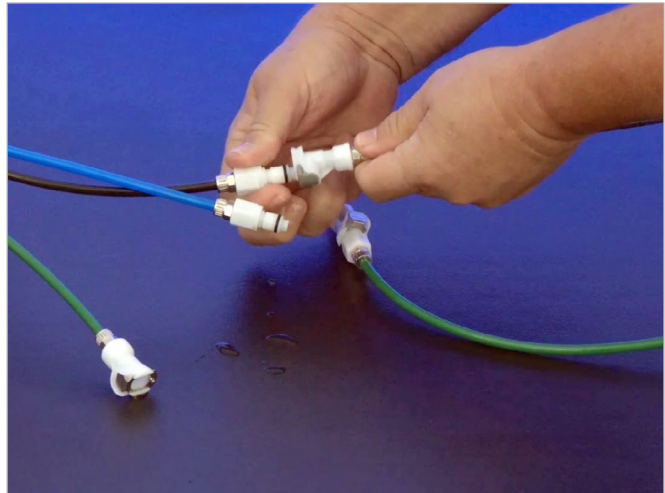
2. **Ensure** the feed water supply is off.



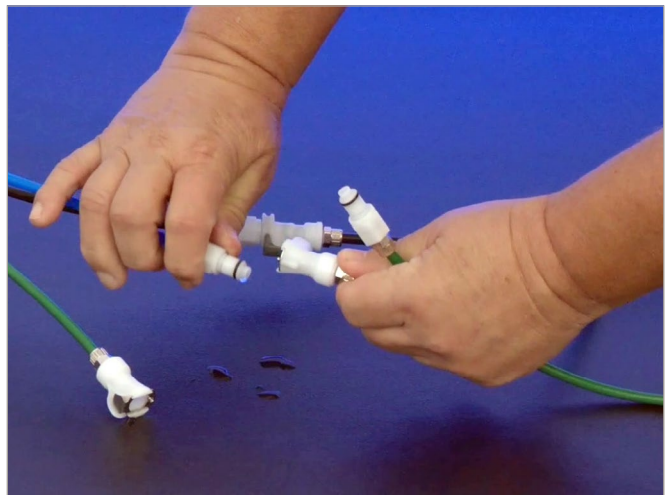
3. **Disconnect** the *Quick Disconnect* of the green LINX feed water line from the *Quick Disconnect* of the blue LINX treated water line.



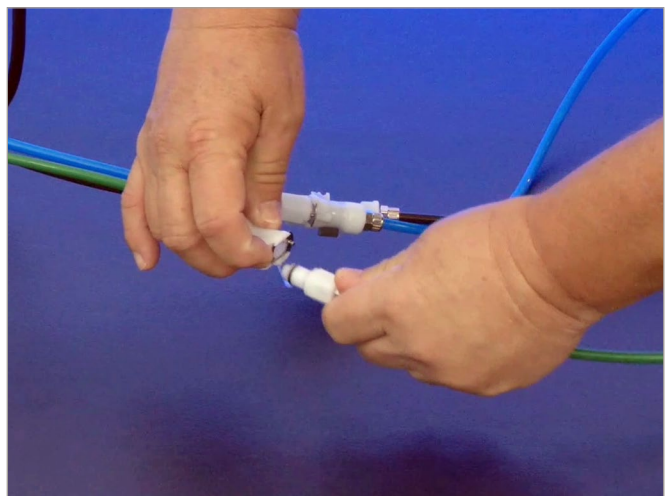
- 4. Connect** the *Quick Disconnect* of the black unit connector to the black drain line.



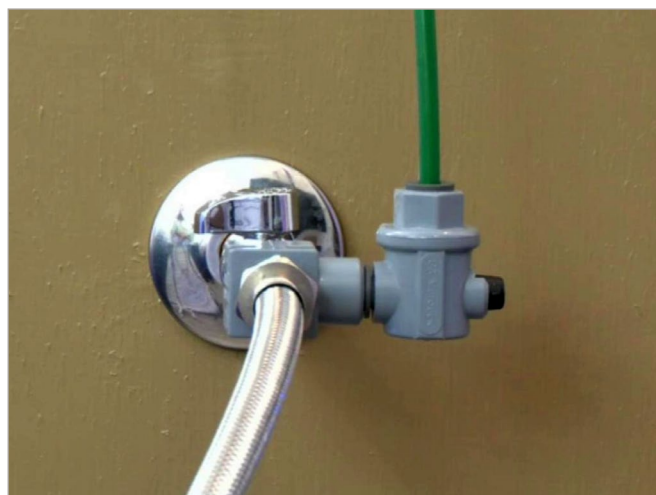
- 5. Connect** the *Quick Disconnect* of the blue unit connector to the blue LINX treated water line.



- 6. Connect** the *Quick Disconnect* of the green unit connector to the green feed water line.



7. Turn on the feed water supply.



8. Plug in the LINX system unit.



