

Kalix Sanitisation Procedure

1. **Ensure use of personal protective equipment. Please read and comply with all safety and handling instructions as recommended by sanitizer manufacturer.**

Required materials:

- Sanitizer/Disinfectant based on 5% Peracetic Acid
 - Mild dishwashing soap
 - Small bristle brush
 - Large bottle/bristle brush
 - Philips head screw driver
 - ¼ Inch hexagonal head, screw driver
 - Selotape
 - Empty sanitizing filter unit.
 - Replacement filter media
 - Replacement blue tubing [4000mm], knife to cut lengths.
 - Cable ties [x 4]
 - Container for emptying contaminated cooler, capacity of at least 2 liters.
 - Small sink or bucket to hold at least 3 liters of water.
2. **Disconnect cooler from Mains Water & Electrical supply.**
 - Remove and replace inlet tubing with similar length.
 3. **Expose filter system - removing front door panel from unit.**
 - Lift out and remove the drip tray. (Diagram 3.1)
 - Depress the clip visible through the slot in the alcove and swivel the door forward. (Diagram 3.2)

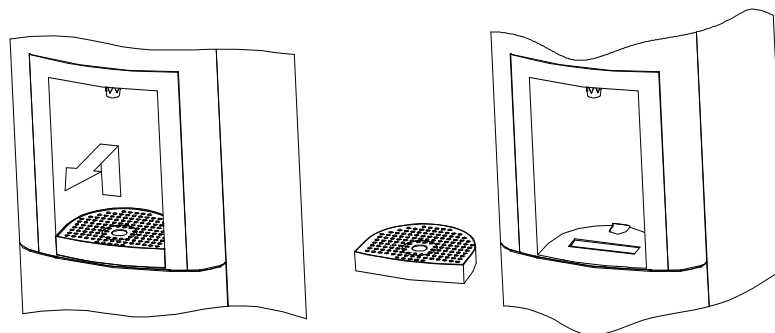


Diagram 3.1

Kalix Sanitisation Procedure

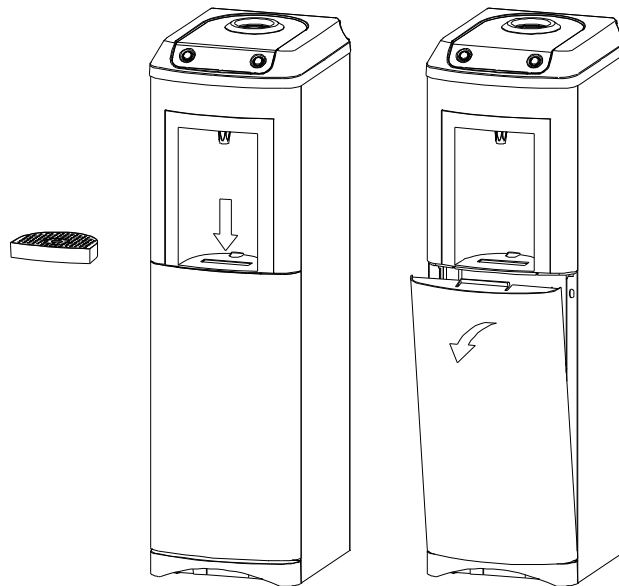


Diagram 3.2

- Remove the door from the cooler
- The inlet pipe and filter system, are now visible in the filter compartment.

4. Expose Tee-piece by removing top of cooler.

- Remove the top from the unit – remove the two screws at the rear of the top, and lift off the lid assembly

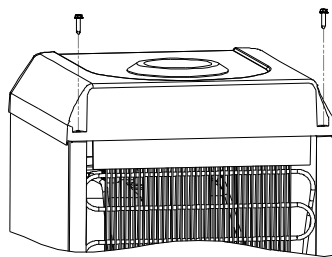


Diagram 4.1

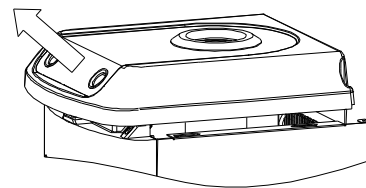


Diagram 4.2

5. Expose bulk head fitting by removing left side panel.

- Remove the three screws as shown in (Diagram 5.1.)
- Raise the panel vertically by about 25mm so that it clears the moulded base and the key slot, and then lift the panel away from the cooler.

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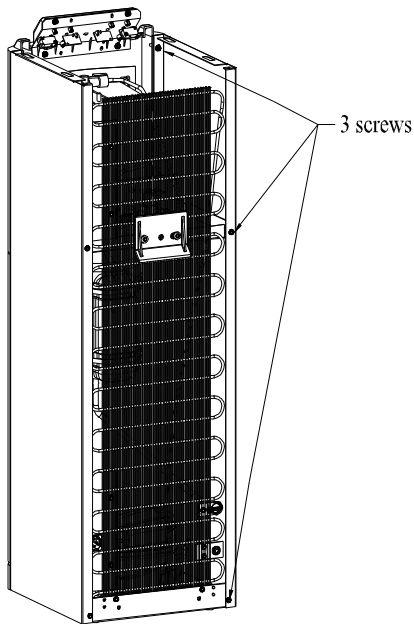


Diagram 5.1

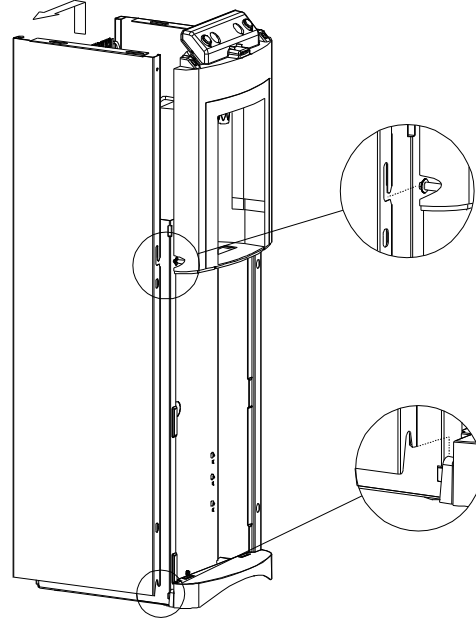


Diagram 5.2

6. Remove drain plug and Empty Cold tank.

- Looking down on the unit, (Diagram 6.1) disconnect the cold water inlet as shown.

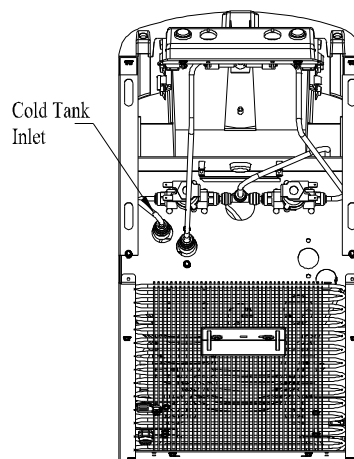


Diagram 6.1

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- Open the drain valve at the rear of the unit. The drain is located 280mm from the floor – ensure that you place a container under the valve prior to opening it. The container must have a minimum capacity of 2 liters.
 - Re-attach inlet tube and drain valve, once cooling tank is empty.
- 7. By-pass any filter system that is installed in the cooler.**
- Disconnect & Dispose of the blue tube from the bulk head fitting at rear of the cooler, to the inlet side of filter system, and from the outlet side of the filter to the Tee connection located on the shelf.
 - Install 4 ft (1300mm) blue tube between the bulk head fitting at the rear of the cooler, and the Tee piece on the shelf.
 - Use shortest distance
- 8. Install sanitization cartridge.**
- Position sanitization filter unit between mains water supply and the bulkhead fitting on cooler
 - Insert replacement mains tubing into inlet on sanitization filter and 200mm extra length of blue tubing between outlet on sanitization filter and bulkhead fitting on cooler.
 - Remove sanitization filter cartridge from filter head.
 - Add 80 ml of concentrate of 5% Peracetic acid to sanitization filter cartridge.
 - Replace sanitization filter cartridge. Ensure sanitization filter is standing upright to ensure accurate mixing of sanitizer.
 - Turn on mains water supply.
 - Reconnect cooler to electrical supply. **[CAUTION: live wires exposed]**

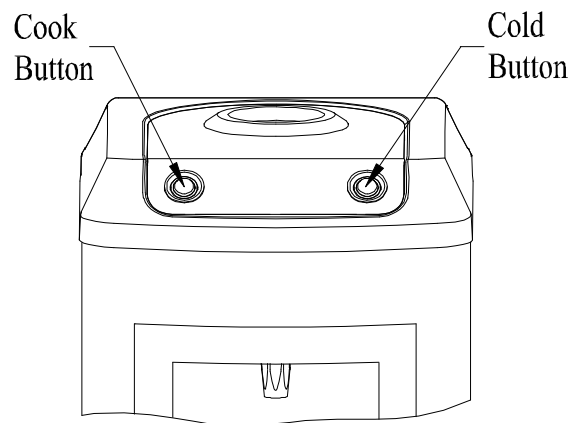


Diagram 9.1

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9. Fill cold side of cooler with sanitization solution.

- Dispense water from cold side only, until cold tank is completely filled with sanitization solution, ensure all air is removed from system.
- Once all air is removed, dispense approx 300ml of water from cold side only.
- Turn off mains water supply on cooler.

10. Fill cook side of cooler with sanitization solution

- Carefully remove sanitization filter cartridge.
- Pour off excess water in the sanitization cartridge.
- Add 16 ml of the 5% Peracetic Acid Sanitizer to the filter cartridge.
- Carefully replace sanitization filter cartridge to filter head. Ensure sanitization filter is standing upright to ensure accurate mixing of sanitizer.
- With mains water supply still off, place selotape over cook and cold buttons to keep them depressed. Use tissue to protect buttons and ensure buttons are fully depressed
- Using shut off valve. Dispense 200ml (maximum) from cooler.
- Leave cooler to stand with cleaning solution for approximately 30 minutes.
- Do not remove parts until 30 minutes have elapsed.
- Remove selotape from pushbuttons after 30 minutes are finished.
- Turn on mains water supply.
- First dispense water from the cold side of the cooler for 5 minutes, and then dispense water from the cook side of the cooler for 30 seconds. This will eliminate sanitizer from the unit before disassembling the water outlet and blue tubing.
- Disconnect the cooler from mains water and electrical supply. Flush the cold tank and drain tube by following [STEP 6].

Sanitization Instructions – Additional Parts:

11. Sanitizing solution

- Prepare a 2000 ppm Peracetic acid solution by mixing 40ml of 5% Peracetic acid per liter of room temperature water.

12. Additional Parts Sanitization

Kalix Sanitisation Procedure

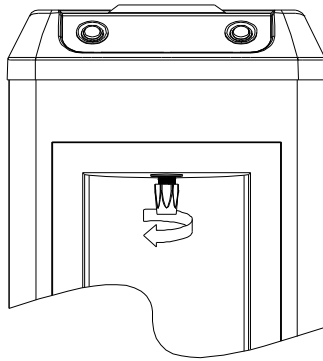


Diagram 12.1

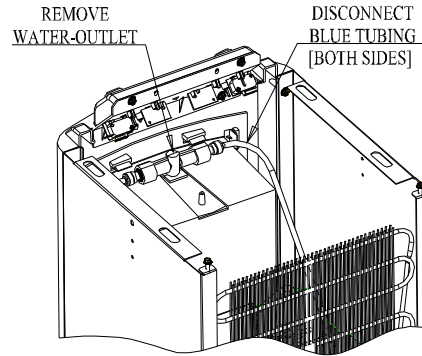
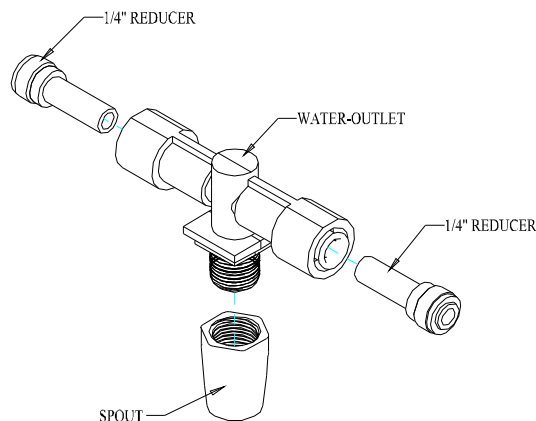


Diagram 12.2

- Unscrew spout from water outlet. (Diagram 12.1)
- Remove blue tubing between water outlet and solenoids on cook and cold sides. (Diagram 12.2)
- Remove water outlet from unit.
- Undo cable ties holding solenoids and Tee-piece in position. Dispose of the blue tubing connecting the solenoids and Tee-piece
- Disconnect the 4 ft blue tubing from the Tee-piece and bulk head fitting. Retain tee-piece for sanitization.
- Disconnect sanitizing cartridge from unit. Remove bulk head fitting from the condenser on unit and retain for sanitization.
- Remove/Dispose blue tube between cooling tank and solenoids.



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- Separate “John Guest” ¼ Inch reducers from water outlet.
- Wash the components (spout, water outlet, ¼ Inch reducers, Tee-piece, and bulk head fitting) with mild soap and water. Use a small bristle brush to clean all the interior components of every piece, including the check valves in the water outlet. Rinse all parts thoroughly with clean water.
- Place spout, water outlet, ¼ Inch reducers, Tee-piece, and bulk head fitting in sanitization solution. Ensure that the check valves remain open while parts are being sanitized. [Use cable ties, rinse thoroughly after use].
- Ensure components are completely submerged in solution.
- Leave to stand in sanitization solution for at least 15 minutes.

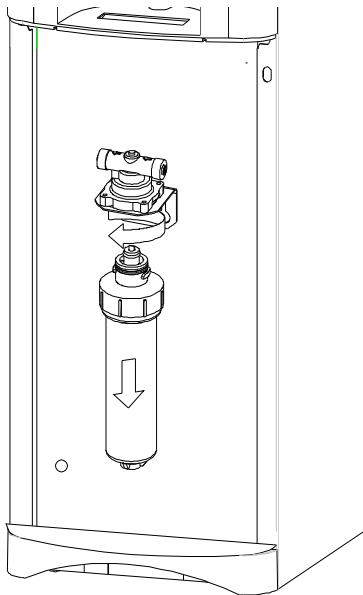


Diagram 12.3

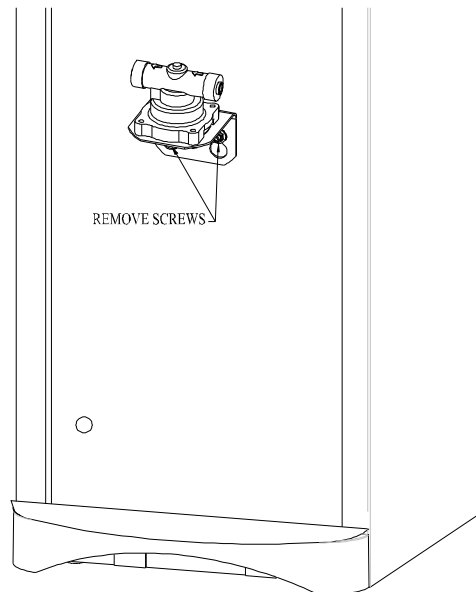


Diagram 12.4

- Rotate filter clockwise and pull downward to remove filter from unit
- Pour off contaminated water from filter.
- Loosen both screws, indicated in (Diagram 12.4), and remove filter head from unit.

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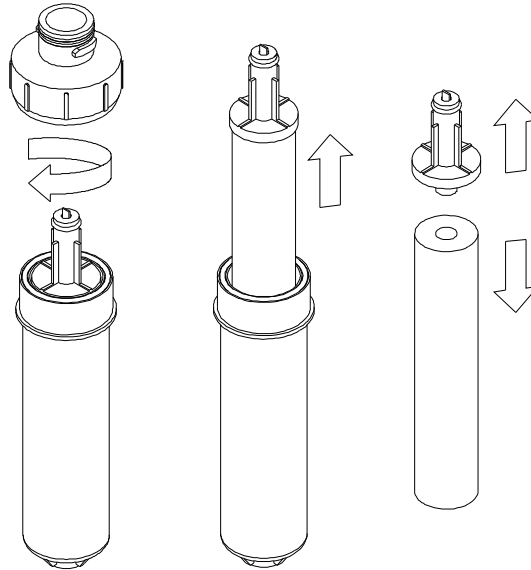


Diagram 12.5

- Unscrew filter cap from filter housing.
- Remove insert and filter media.
- Separate filter media from insert and dispose of filter media.
- Wash all remaining parts with mild soap and water using both the small and large bristle brush. Rinse parts with clean water.

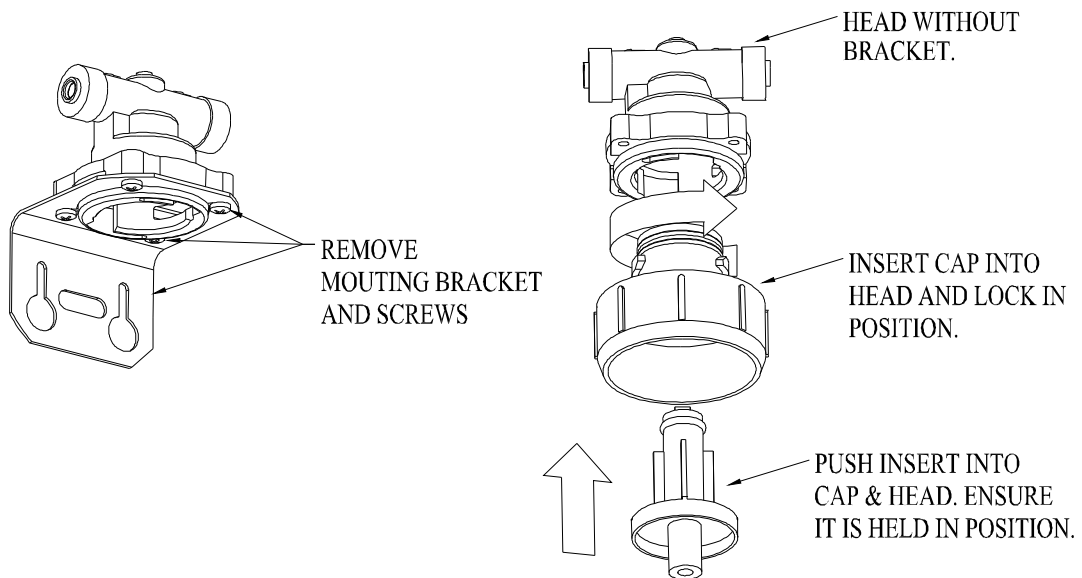


Diagram 12.6

Kalix Sanitisation Procedure

- Separate mounting bracket from filter head.
- Wash in mild soap and water using the small bristle brush to clean the interior water contact surfaces.
- Assemble filter head, cap, and insert as indicated in (Diagram 12.6)
- Ensure insert is held in position, then place all filter parts in sanitization solution, and leave for 15 minutes. (This should keep check valve in filter head open for total sanitization)
- Disassemble parts and remove o-rings from insert and cap.
- Place all filter parts back in sanitization solution for a further 10 minutes.
- Remove all parts from sanitization solution, and rinse thoroughly under a tap.

13. Re-install additional parts

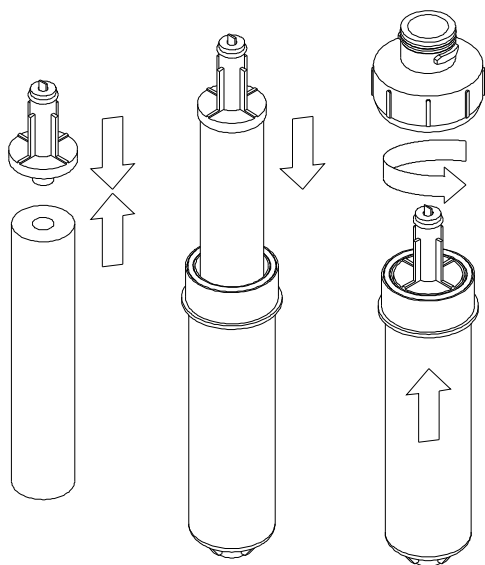


Diagram 13.1

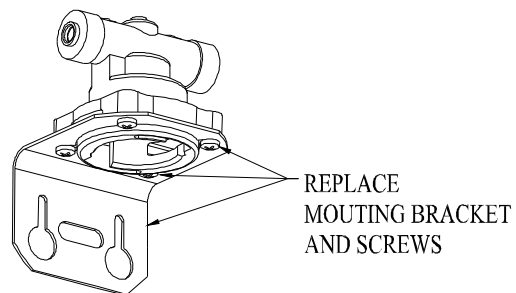


Diagram 13.2

- Using replacement filter media push insert into position.
- Re-assemble filter as shown in (Diagram 13.1).
- Re-attach mounting bracket to filter head.(Diagram 13.2)

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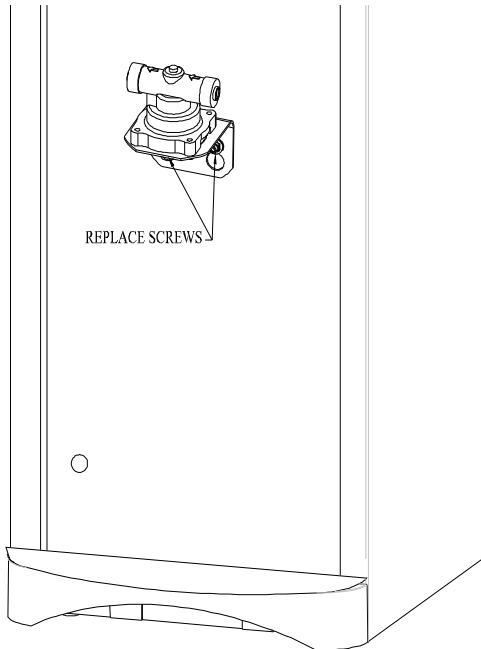


Diagram 13.3

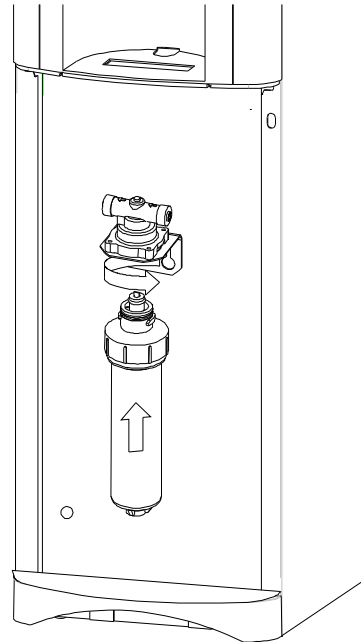


Diagram 13.4

- Position filter head and mounting bracket over screws and slot into place. (Diagram 13.3)
- Re-Tighten screws.
- Push filter into filter head and lock into position. (Diagram 13.4)

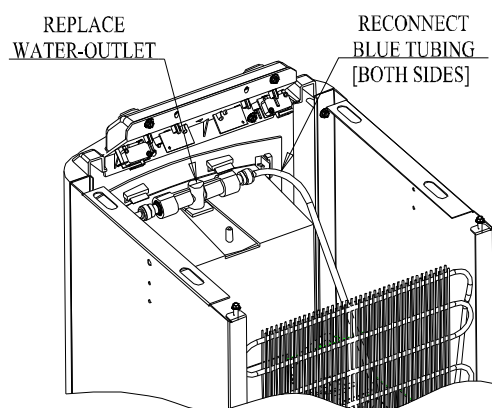


Diagram 13.5

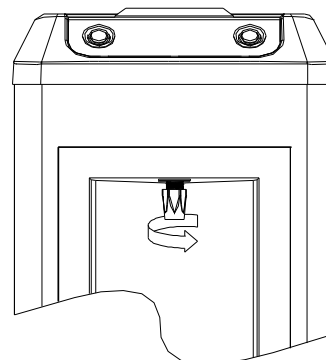


Diagram 13.6

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- Take water-outlet and ¼ Inch reducers from sanitization solution and rinse under flowing tap.
- Rebuild water-outlet assembly with ¼ Inch reducers, and place in original position.
- Attach spout to water-outlet, and tighten into position. (Diagram 13.6)
- Re-attach new tubing to Water outlet on cook and cold sides.
- Reassemble Tee-piece with solenoids with replacement tubing; and reposition solenoids with substitute cable ties.
- Affix bulk head fitting.
- Install all replacement blue tubing and connect the filtration system, back in line. Ensure tight connections
- Connect from bulk head fitting to inlet of filter head, and outlet of filter head to Tee-connection located on shelf.

14. Reassemble unit

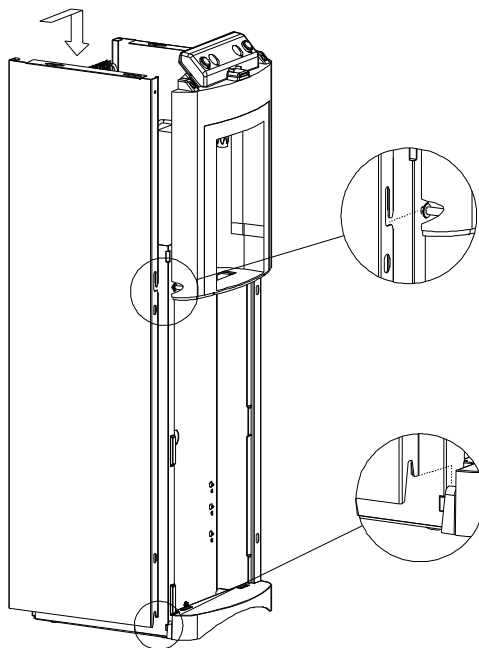


Diagram 14.1

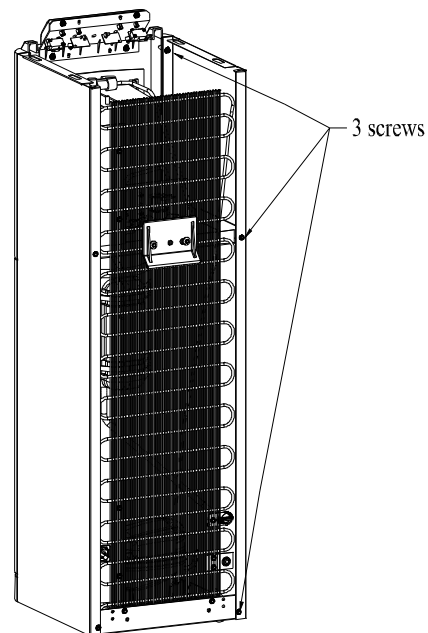


Diagram 14.2

- Replace side panel onto the cooler. Position the key slot in panel on the screw in the front fascia, and slide panel downward over locator in moulded base
- Affix 3 screws in position illustrate in (Diagram 14.2).

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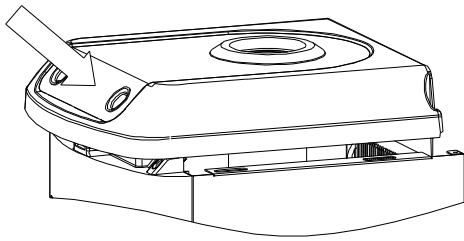


Diagram 14.3

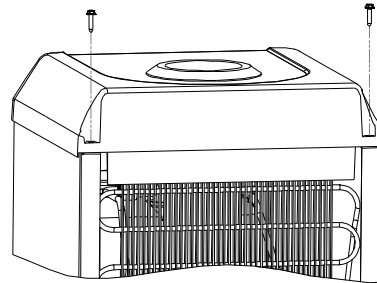


Diagram 14.4

- Reposition top of Kalix as per (Diagram 14.3)
- Slide top over push buttons, then secure in position via two screws at the back of the cooler.
- Ensure cup dispenser is firmly in position before securing screws.
- Return filter compartment door to its exact position, then replace drip tray to its place.

15. Finally the new filtration system needs to be flushed out of the cooler.

- Turn on mains water supply and connect electrical supply to the cooler.
- First dispense water from the cold side of the cooler for 2 minutes.
- Then dispense water from the cook side of the cooler for 60 seconds.