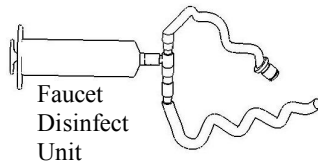
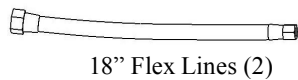
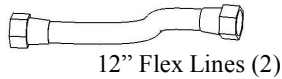
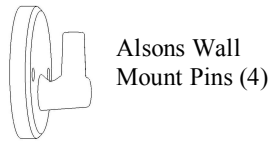


Nephros DSU™ – Sink Installation Instructions

PARTS LIST



FILTER MOUNTING

The DSU mounts under the sink on both the hot and cold water lines. The installation procedure is identical for each side. Follow the mounting steps below for the cold side then repeat for the hot.

Note: Prior to handling new filters it is recommended that one wash their hands and if possible use latex gloves.

- Turn off the water supply valves under the sink.
- Open the faucet control valves to drain residual water from the faucet hardware.
- Remove the existing riser tubes or flex lines that connect the water supply valves to the faucet stems.

Note: It is recommended that the old faucet be replaced with a new one since biofilm often resides in faucet hardware.

- Remove the faucet aerator if not already done so.
- Connect a new 18" flex line by the 3/8" compression fitting to the water supply valve.
- Connect a new 12" flex line by the 1/2" NPSF fitting to the faucet stem.
- Connect CPC quick connectors to the other ends of the flex lines.
- Remove a DSU from its package and put an Alsons wall mount pin in each mounting hole of the filter. (see Fig. 1)
- Place the filter and pins vertically against the wall under the sink in the position they will be mounted.
- Verify that the flex lines can be connected to the filter ports without stretching or kinking.

- Once the location is verified mark the hole locations of the mounting pins.
- Remove the filter from the pins and set it aside.
- Mount the Alsons pins with their enclosed screws.
- Mount the DSU on the two pins making sure the flow direction arrows point towards the faucet (away from the supply valves).
- Connect the CPC fitting on the water supply line to the filter inlet.

FAUCET DISINFECTION

Since the faucet is downstream of the filters it is necessary to disinfect the hardware (control valves and spout) before connecting the filters. Even if new faucet hardware has been installed it should be disinfected. Once the hardware is disinfected the DSU will prevent any microbiological contamination from the source water.

Note: The disinfection is to be done with bleach (5.25% sodium hypochlorite). Use personal protective equipment (gloves, lab coat, glasses, etc.) when handling bleach as it is a strong oxidizing agent.

- Take the Faucet Disinfection Unit and connect the outlet (male CPC connector) to the female CPC connector on the cold water line leading to the faucet. (see Fig. 2)
- Place the inlet hose of the unit in a container of bleach.
- Open the faucet valve.
- To prevent splattering of bleach from the faucet one should insert a piece of gauze or cotton in the end of the spout.
- Draw bleach from the container by pulling out the syringe plunger and deliver bleach to the faucet by pushing it in.
- Continue pumping bleach into the faucet hardware until it is observed coming out of the spout. This may take 100-200 ml depending on the hardware configuration.
- Close the faucet valve and disconnect the disinfection unit from the CPC connector. The auto shut off feature of the connector should retain the bleach in the faucet hardware.
- Repeat the same process for the hot water line leading to the faucet.
- Remove the disinfection unit from the bleach container and set it aside. If one does not intend to use the disinfection unit shortly for another installation, it should be flushed with clean water before being stored for future use.

RINSE AND FINAL INSTALL

- Allow bleach to dwell in the faucet hardware for only 10 minutes. This is sufficient time for disinfection. Any longer may damage the internal parts of the faucet.
- Remove and discard the gauze that was placed in the faucet spout.
- Connect the CPC fittings on the faucet lines to the filter outlets.
- Immediately turn on both water supply valves and allow water to run for a several minutes to purge the system of air and bleach.
- Test the faucet outlet to ensure low residual chlorine levels.
- Close the faucet handles and check for leaks. Tighten any fittings if necessary.
- Upon completion the filter installation should resemble Figure 3.

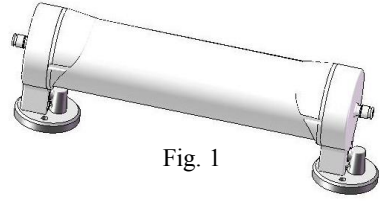


Fig. 1

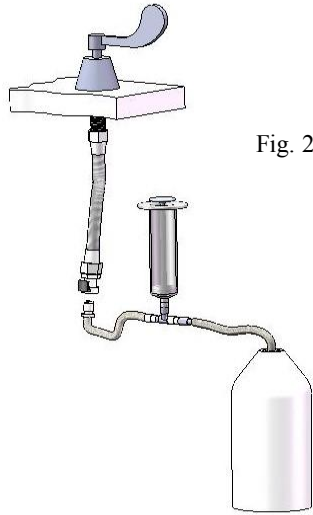


Fig. 2



Fig. 3

Manufacturer:
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