

Installation Guide Part #: 70-0285 (See DSU-H Instructions for Use)

DSU-H In-Line, Push-Fit

AVOID contact between filter and cleaning or sanitizing agents.⁽¹⁾

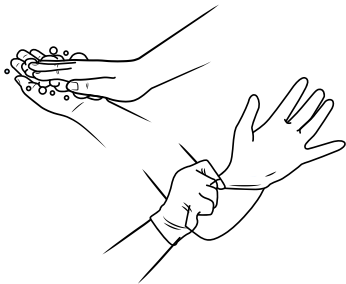
DO NOT remove blister pack from filter until indicated to protect from contamination.

Maximum temperature 104°F [40°C] a hammer arrester should be installed in applications where water hammer may be present.

Questions or issues?
Let us help!

Call:
(201) 343-5202, Ext. 3

1



READ the entire installation guide and precautions before starting.

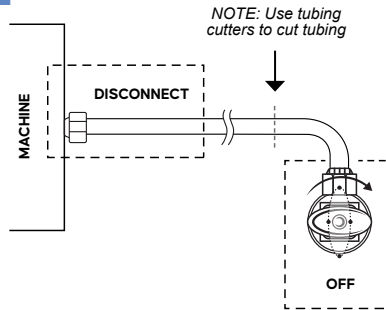
WASH hands before starting installation.

WEAR gloves before handling filter (do not remove blister pack).

Note: Install guide and components based on 3/8" plastic press-fit tubing. For 1/4" or other tubing sizes contact Nephros for additional components.

For in-line systems with a DSU-H previously installed: REMOVE the existing filter, and complete Steps 5, 6, 11 and 12 only.

2



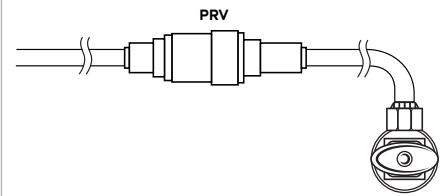
TURN OFF the water supply valve.

DISCONNECT the supply tubing from the machine's inlet.

NOTE: Filter should be installed as close to machine as possible (e.g., after any check valves, mixing valves, tees, etc.) to reduce risk of contamination.

CUT the plastic tubing using tubing cutters to the required length based on filter placement.

3



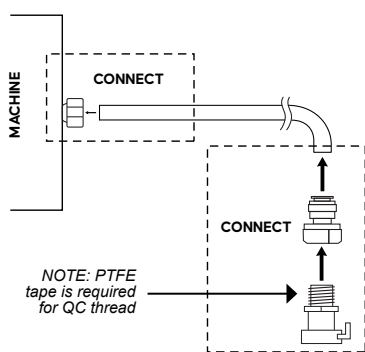
CONNECT the tubing from the water supply valve to the inlet of the Pressure Reducing Valve (PRV).

CONNECT a new piece of tubing to the outlet of the PRV.

INSERT locking clip (not shown) into the inlet and outlet of the PRV

NOTE: PRV can be installed anywhere between the water supply valve and the filter inlet.

4

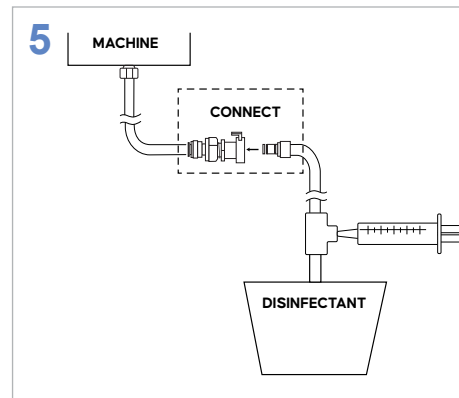


CONNECT new tubing to the machine's inlet.

CONNECT the Quick Connector (QC) to the 3/8" OD x 3/8" NPTF adapter using PTFE tape.

CONNECT the adapter & QC assembly to the other end of the tubing and insert locking clip (not shown) into the adapter.

5



Clorox® Healthcare Germicidal Cleaner is the recommended disinfectant choice.⁽²⁾

CONNECT outlet hose of the disinfection kit to the machine inlet line QC.

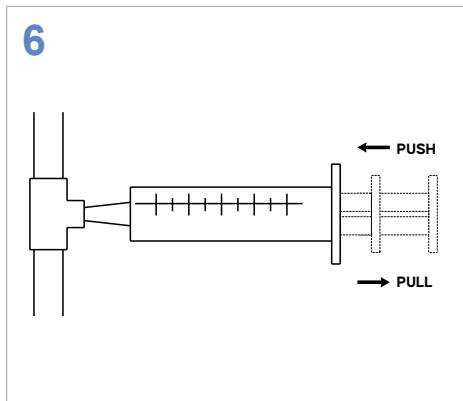
PLACE the inlet hose of disinfection kit into disinfectant (e.g., bleach) container.

PLACE a cup under the water dispenser and keep OPEN the dispenser. This is to vent the machine and allow for disinfectant to fill.

NOTE: Final disinfectant concentration of sodium hypochlorite should be 0.04–0.065% (400–650ppm).

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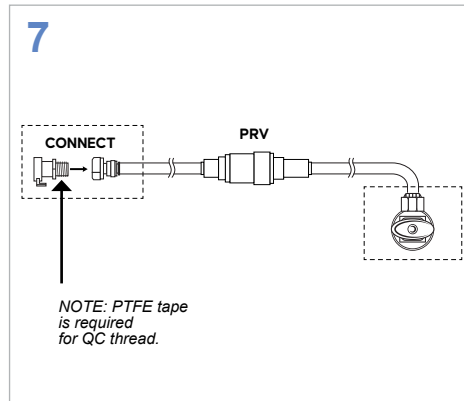
DSU-H In-Line, Push-Fit (continued)



PULL out syringe plunger to draw the disinfectant.

PUSH the plunger to deliver the disinfectant and continue until disinfectant is seen coming out of the machine's dispenser.

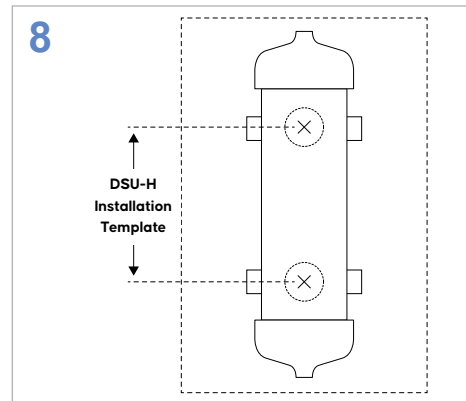
ALLOW disinfectant to dwell for 5 minutes.



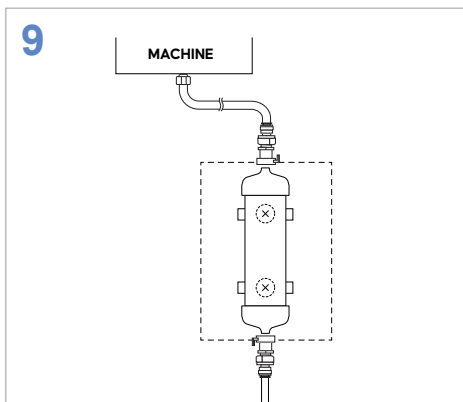
CONNECT the QC to the 3/8" OD x 3/8" NPTF adapter using PTFE tape.

CONNECT the adapter to the end of the tubing coming from the PRV, and insert locking clip (not shown) into the adapter.

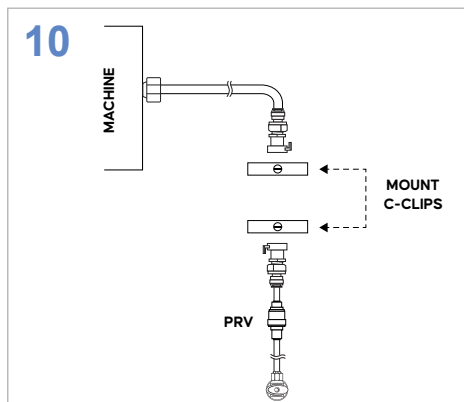
TURN ON the water source to assure there are no leaks, then turn the water source back off.



ATTACH the DSU-H Template (provided in installation kit) vertically against the wall in a desired position to ensure that both tubing lines are not stretched.



MARK the 2 hole locations of the C-Clips on the wall.



MOUNT the C-Clips with 2 screws (1 each).

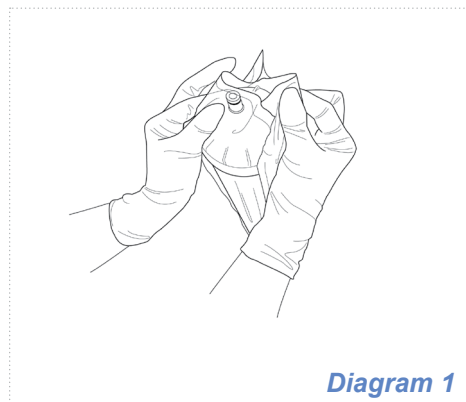


Diagram 1

PUT ON new gloves.

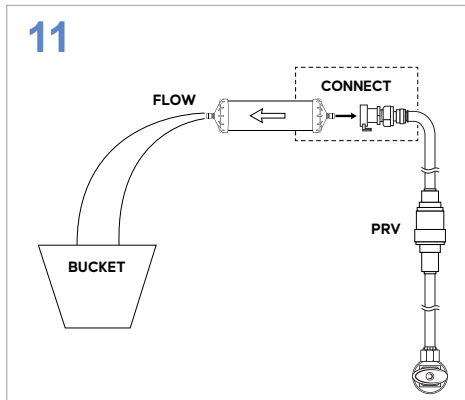
DO NOT REMOVE the blister pack from the filter. Tear open the pack ends to expose connectors as shown in Diagram 1.

HOLD the filter by the transparent portion of the blister pack and tear away the white backing.

Caution: Do not touch filter outlet to avoid contamination.

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CONNECT the filter inlet to the QC of the water valve so the filter flow direction symbol is pointing away from the water valve.

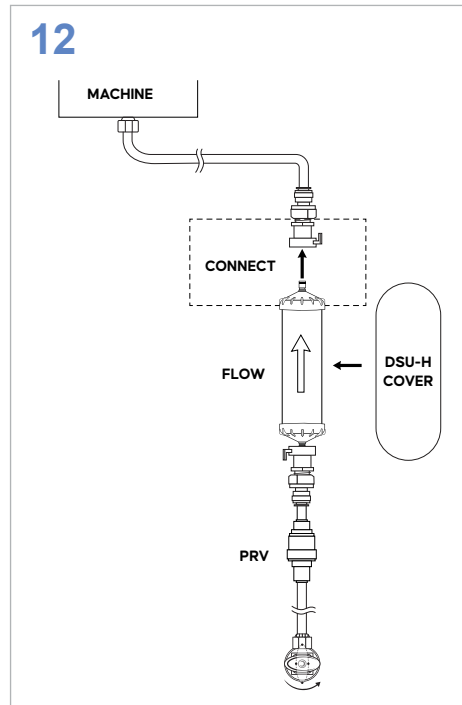
PLACE a bucket under the outlet side of filter to catch the water.

TURN ON the water valve.

ALLOW filter to prime until desired flow rate is reached and water is clear of air bubbles (3–5 minutes depending on water pressure).

TURN OFF the water valve.

Note: If your static pressure is below 30psi, additional time may be needed to flush the filter and purge trapped air. Please contact Nephros for assistance with this process.



REMOVE blister pack and CLIP the filter to the C-Clips so the flow symbol on filter is toward the machine's inlet.

CONNECT the machine tubing to the outlet of the filter.

OPEN the water supply valve and allow water to run through the filter and the machine for 3–5 minutes to flush out the disinfectant and purge air from the system.

USE residual test strips on running water to ensure residual disinfectant levels do not exceed 4ppm (or original supply water chlorine levels).

CHECK for any leaks and TIGHTEN any fittings if necessary.

If included, PRESS ON the DSU-H Cover onto the filter. (It is recommended to install the DSU-H Cover to shield the filter from the external environment.)

(1) Medical grade plastics are more susceptible to cracking due to exposure to organic solvents. Alkyl dimethyl benzyl ammonium chloride (ADBAC), glycols, alcohols, ketones, silicones, and acetones are some examples of the leading organic solvents found in cleaning and sanitizing agents. Use of cleaning/sanitizing agents on the filter housings is not required and should be avoided.

(2) Wear appropriate PPE and exercise caution when handling bleach.

NEPHROS.COM

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