

VirTis Ultra Cleanroom Install Instructions

If the VirTis Ultra unit designed for installation in a cleanroom is to be installed through the non-cleanroom side of a wall and the wall opening has been previously cut to specific dimensions, the product chamber door and sterile wall flange must be removed and reinstalled. This will also be necessary if the VirTis Ultra unit is equipped with the hydraulic stoppering option.

To remove the product chamber door and sterile wall flange, following these steps:

Note: A curb or flashing must be installed at the bottom of the sterile wall flange, which is not supplied by SP Scientific.

1. Remove the six (6) door clamps from the product chamber.
2. Remove the two (2) hex nuts from the top of the door bracket and slowly remove the door from the hinge. This should only be done if assistance in supporting the door is available.
3. Remove the left side panel, exposing the rear door hinge.
4. Remove the two (2) outer hex nuts that are attaching the top and bottom hinge rods to the frame.
5. Slide the door forward to remove the spacers and two (2) remaining hex nuts.
6. Pull the door forward and remove it from the frame.
7. Disconnect the vacuum tubing from the wall flange's inert gas port (from the back side), along with the wiring from the optional stoppering switch (if equipped).
8. Locate and remove the screws that secure the sterile wall flange to the frame then remove the wall flange.

To reinstall the product chamber door and sterile wall flange, following these steps:

1. Reinstall the sterile wall flange, door clamps, product chamber door, inert gas port and stoppering switch after the Ultra unit is positioned through the cleanroom wall.
Note: The door hinge and clamps will now have to be adjusted to form a manual gasket seal to the chamber.
2. Use the two (2) hex nuts on the top and bottom of the hinge rods to tighten and lock the door hinge adjustment.
Note: Use the hex nut furthest from the gasket to tighten or loosen the hinge and the second hex nut to lock the adjustment.
3. Adjust the door hinge and clamps as required for proper opening and closing.
Note: If the door is closed, the applied pressure should create a darkening appearance where the gasket comes in contact with the door. Use a light film of vacuum grease on the gasket surface.
4. Reinstall the left and right side panels.
5. Run a bead of silicone caulking around the opening perimeter and use the holes provided to secure the wall flange to the wall. Cover the screw heads and openings around the chamber, hinge and door clamps with silicone caulking.

Complete the following information and return to SP Scientific. A signature shall indicate that all utilities are in place and installation may be scheduled. If facilities are not in place upon technician's scheduled arrival, additional charges incurred will be billed as a Field Service Visit.

Name	Title
Signature	Date
Company	Phone
City / State	Email



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