

Stainless Steel NanoDamp Workstation User Guide

INTRODUCTION

The Stainless Steel NanoDamp Workstation is designed for cleanroom compatibility up to Class 10. These specialized workstations help isolate sensitive equipment from vibrations caused by foot traffic, HVAC systems, nearby operating machinery, and more. The research-grade workstation consists of a highly damped top plate encased in stainless steel for maximum cleanroom compatibility. The unique breadboard is supported by four pneumatic isolators, which can be easily inflated using an external air source. When properly inflated, these isolators will reduce the transmission of vibrations to the tabletop, providing a vibration-free work surface for sensitive research equipment.



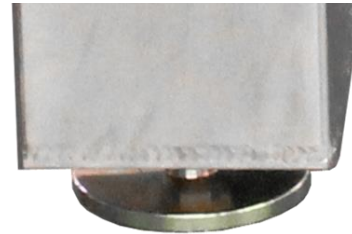
INSTALLATION PROCEDURES

- Step 1: Uncrate the workstation from the wooden crate by removing the front door screws and lifting the workstation from the base pallet. Lifting the workstation can be accomplished by having multiple people lift one side of the workstation, hoisting it off of the base pallet or by utilizing a lifting mechanism.
- Step 2: Once the workstation has been removed from the crate, ensure no crate materials have contaminated the enclosed foil/plastic wrapping. Once the enclosed workstation has been verified uncontaminated, transport the workstation wrapped in

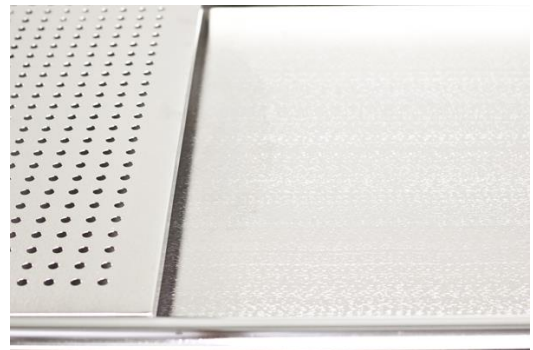
foil/plastic to the appropriate staging area. Please reference any local cleanroom procedures for preparing items to enter the cleanroom before transporting the workstation into the cleanroom.

Step 3: Once all cleanroom procedures have been followed, transport the workstation to the desired installation location.

Step 4: Position the workstation in the desired installation location and adjust the leveling feet of the workstation to allow it to no longer rest on its caster wheels, whereby resting on its leveling feet.



Step 5: Level the table by adjusting the leveling feet to ensure a stable and flat surface. It is recommended to verify the flatness of the table by using a level or measuring tape.



Step 6: Install the instrument on top of the workstation by placing it vertically onto the top plate.

Step 7: The tubing within each workstation is connected and does not require installation within the workstation itself. The only connection needing to be made is connecting the 6mm tubing to the inlet on the supplied regulator to a supply of compressed air in the room.

Please note: additional 6 mm tubing has been provided (100 ft.) in the event it is needed. The additional tubing can be found in one of the workstation crates (crate 1 of 6).

Step 8: The air regulators and flow control valves are already set for optimal isolation, meaning the only step needing to be taken is inputting air into the system itself.

Please Note: the approximate PSI for when the table is floating is 50 PSI (air supply should not exceed 90 PSI).

Step 9: Allow 1 – 2 minutes for the workstation leveling to stabilize once fully inflated.

ADDITIONAL NOTES

The height of the workstation top plate was pre-adjusted at the factory, but can be re-adjusted by manipulating the three bolts attached to the three lever arms. When making adjustments, please do so evenly so that the workstation maintains its optimal level of vibration isolation.

FEEDBACK

Herzan welcomes your feedback! Please let us know what we can do to improve our products. You can reach us at feedback@herzan.com or (949) 363-2905. We look forward to hearing from you!

Please contact Herzan with any questions, support@herzan.com or 949-363-2905.