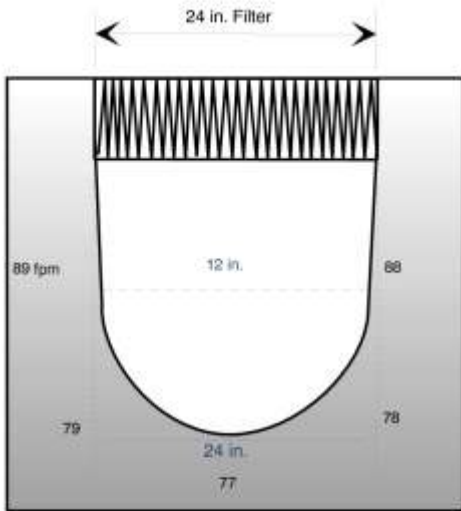
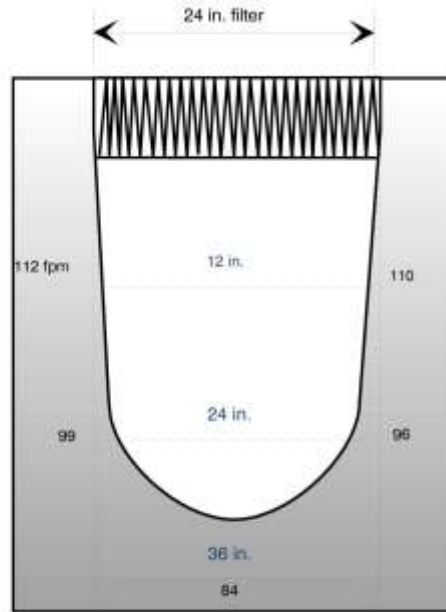


## FREE AIR "CLEAN ZONE" ULTRA CLEAN AIRFLOW PROFILE Laboratory Test Results



Typical Free Air Envelope  
Profile of "Class 100"  
Quality Air @ 90 FPM



Typical Free Air Envelope  
Profile of "Class 100"  
Quality Air @ 120 FPM

NOTES: The numbers around the perimeter of the free air "Clean Zone" envelope indicate airflow velocities (FPM) at those locations. Air nearby the outside perimeter of the envelope exceeds "Class 100" air quality specifications but is still somewhat cleaner than ambient room air.

The outline indicates the envelope of "Class 100" quality ultra-clean free air normally referred to as a "Clean Zone" that was projected in a horizontal direction for testing purposes without shrouding protection or interfering air currents. This air envelope extends from the HEPA final filter housing outlet, shown above at 2 air velocities, can be aimed by adjusting the filter housing angle to send the clean air envelope projection in most any desired direction. If plastic shrouding is attached around the outside of the filter housing, the area within the shroud becomes a "Certifiable Cleanroom." At the time the shrouding is added, the "Clean Zone" (governed by the filter outlet size) becomes a "Cleanroom" and the size of the clean air area is then governed by the the size and shape of the shrouding.

This in a informational sheet only: On the backside of this paper is the "Operational Illustrations" indicating how the M100 and E100 can be adjusted to address different applications.

*"Clean Air Anywhere"*