

Spec Sheet of Manta X75.3

Testing procedures:

The Manta X75.3 has been evaluated for breathability and particle filtration at the in-house testing facilities at Tex Tech Fabrics.

Breathability Test:

(CFM) - Standard test where a sample is put in the cross-section of the machine and it has a standard air-flow and we can calculate the amount of air that flows at 2" of water. Several tests are done and then averaged to determine a value. The test value for the Manta X75.3 masks is 37CFM (min with no washing) increase to 57CFM (after washing & drying) N95 has a 36CFM

Particle filtration test:

Machine is a Kanomax. Background count air-borne particulate levels are measured and then use the filtration media to determine the efficiency. Tests last 60 secs. Two background counts are completed. Then we attach media and perform 5 replicates and average that. We usually repeat multiple times (~10) to get statistics.

The Manta X75.3 mask filters on average 75% of particles .3 microns. If washed & dry the filtration increase by 10%.

Testing Equipment



Qualitative Fit testing – What have we learned

Qualitative Bitrix or Saccharin Fit Testing has shown that the Manta X75.3 with the patent pending removable nose clip, can be donned and pass a standard **29 CFR 1910.134, Appendix A. Bitrex mask fit test**. The wearer must have direct skin to Manta contact. Facial hair will prevent a proper seal, leading to leaks. Additional information regarding the proper fit test procedure can be observed on Youtube.com at

https://www.youtube.com/watch?v=Syj_zeNtLGI



Manta X75.3



Features:

1. Reuseable
2. Washable and dryable
3. Durable
4. Better protection than homemade and surgical mask.
5. Able to PASS a Qualitative fit test.