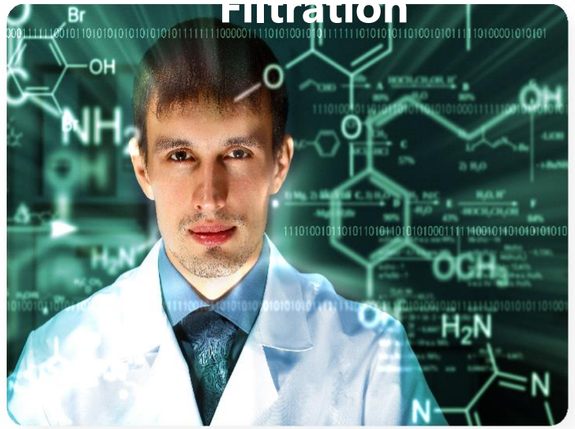
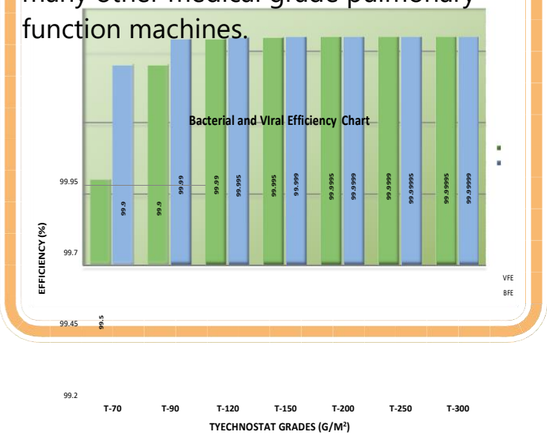


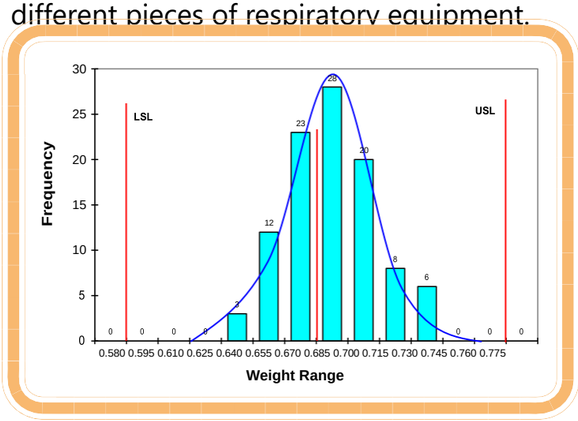
Technostat® is a tribo-electret media and has unique charged characteristics which allow the filtration of sub micron particle sizes.
Our filters have passed stringent biocompatibility requirements set by the FDA and have proven to be highly e cient in terms of protection against Viruses and Bacteria. Our benchmark testing done at Nelson Labs has resulted in hydrophobic filters obtaining up to 99.9999% efficiencies against the transmission of these harmful bacteria and viruses. This data is available for reference on a range of our Technostat® filter media. *See chart to the right:*

SUPERIOR FELT & FILTRATION
offers a broad range of options when it comes to medical grade filtration. Medical filters demand some of the highest levels of filtration since they are at many times used in pulmonary function or more specifically in life support and human ventilation machines.
These filters are key components in removing harmful bacteria and viruses which may be breathed by the patients. Technostat® media has performed well in ventilators, spirometers, aerosolizers and a many other medical grade pulmonary function machines.



Bacterial/Viral

SUPERIOR FELT & FILTRATION
has extended fabricating services available for die cutting, collating and welding breathable laminates. These filters can then be utrasonically sealed into capsules or other end filter components. We provide the finished filters in terms of the composite filter which typically contain a charged media with two hydrophobic membranes. These membranes are critical in Heat and Moisture Exchange (HME) applications which are used in many different pieces of respiratory equipment.



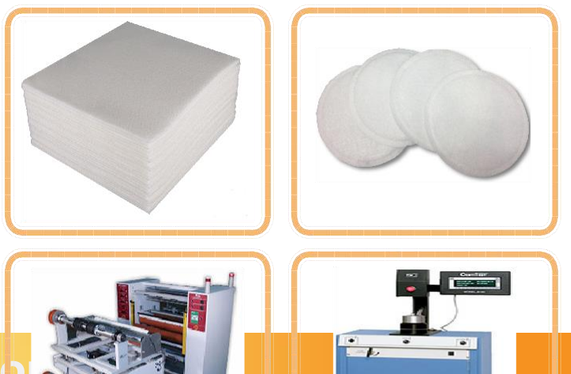
When fabricating these medical filters, tight tolerances are necessary to ensure a proper seal in the capsule or other end device. Without the proper seal, leakages may occur resulting in failures in the field.
Superior Felt and Filtration has cutting edge technology available to hold tight tolerances for slitting, die cutting and heat
welding. We perform in depth Statistical Process Controls (SPC's) during each stage to ensure we are providing quality products.

Applications

- RESPIRATORY
- SPIROMETRY
- HEAT & MOISTURE EXCHANGE (HME)
- PULMONARY FUNCTION

Services

- HEAT WELDING (DIE-CUTTING)
- ULTRASONIC CUTTING
- LAMINATION
- COMPOSITES



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