

## SLEEP APNEA (CPAP)



**Sleep Apnea** has become one of the nations most diagnosed health concerns. It is a sleep disorder characterized by abnormal pauses in breathing or instances of abnormally low breathing during sleep. The most common treatment of Sleep Apnea is with a device called a CPAP or continuous positive airway pressure device. The device 'splints' the patient's airway open during sleep by means of a flow of pressurized air into the throat. The patient typically wears a plastic facial mask, which is connected by a flexible tube to a small bedside CPAP.

**Superior Felt & Filtration** has designed many of the filters being used today in the CPAP market. Typically a device will have a prefilter or a pollen filter and a high efficiency filter known as an ultra fine filter. Both are used in conjunction and placed in the air inlet of the device. We supply the CPAP market with Foam, Electrostatically Charged, Air-laid and composite media. We also supply the bacterial filter discs which typically are welded into capsules and used between the masks and tubing of the device. Our technicians can develop critical filters which protect against allergens, bacteria, viral and other harmful particulate in the air.



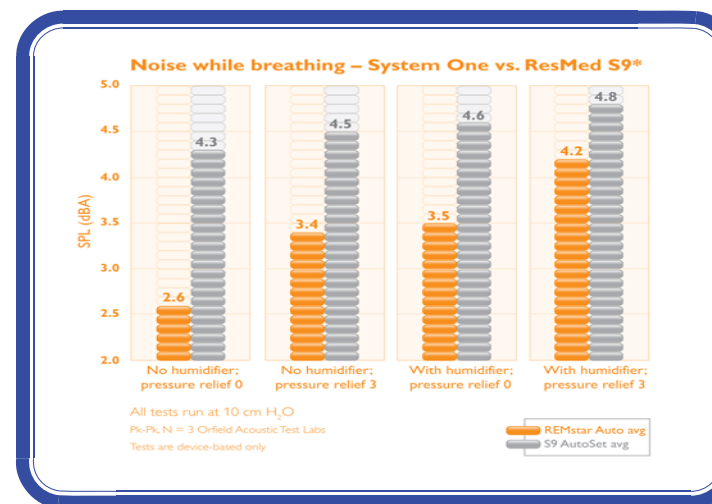
### Applications

- ◆ CPAP POLLEN FILTERS
- ◆ CPAP ULTRAFINE FILTERS
- ◆ O2 CONCENTRATOR FILTERS
- ◆ BACTERIAL/VIRAL FILTERS
- ◆ AEROSOL FILTERS



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**CPAP Devices** have come a long way over the past 5 years. Consumer requests for additional comfort have pushed the device manufacturers to create smaller machines for convenience for the home and during travel. As the motors have become quieter, the components that are manufactured for these devices must also be designed to reduce the overall decibel levels. Superior Felt and Filtration has provided the industry with decibel reducing filters that function well in the smaller units. The filters provide better flow rates which reduce motor strain and save on energy costs.



**Superior Felt & Filtration** has the in house capability to cut to any size or shape, providing the OEM with finished filters. We can collate composite materials with breathable laminates and other methods which will not adversely effect the pressure drop of the end filter. We also have the capacity to brand the filters with company specific logos and designs. The ink is FDA approved and can set your company apart providing brand recognition. Private label packaging is an option and Superior Felt & Filtration can offer specific packaging sizes including color art work and lot coding.

### Services

- ◆ DIE CUTTING
- ◆ COMPOSITES (POLLEN/ULTRAFINE)
- ◆ PLEATING
- ◆ PACKAGING / BRANDING
- ◆ TESTING

