SoClean CPAP sanitizing system

Easily, naturally and effectively clean CPAP equipment

To thoroughly benefit from continuous positive airway pressure (CPAP), patients must use completely sanitized equipment to avoid harmful contamination from various molds, bacteria and viruses. CareFusion is offering the SoClean CPAP sanitizing system that leverages one of the most potent natural disinfectants to effectively help patients more easily and safely breathe—activated oxygen.
Microbial contamination

CPAP equipment allows bacterial and fungal contamination—even with seemingly thorough cleansing, as shown in a study conducted by SleepHealth Centers, Brigham and Women’s Hospital of Harvard Medical School. The incidence of contamination rises dramatically as equipment ages, and equipment older than 6 to 12 months can develop disinfection-resistant surfaces. These surfaces can harbor upper respiratory and oral pathogens, which can cause illness.

Activated oxygen

Activated oxygen forms when a third atom of oxygen links to the molecular oxygen we breathe ($O_2$), forming the new molecule $O_3$. This new molecule provides oxidation, which can destroy harmful organisms such as bacteria and viruses. Activated oxygen is very powerful but has a very short lifecycle. After the $O_3$ molecule generates, it reverts into molecular $O_2$ within two hours—a natural half-life. The SoClean system runs for several hours, letting the ozone deplete before the patient uses the mask.
**SoClean benefits**

For CPAP equipment, the SoClean CPAP sanitizing system:

- Provides easy, safe and natural sanitization
- Destroys harmful contaminants such as bacteria, viruses, mold and fungi
- Supports a wide range of CPAP masks and machines
- Eliminates CPAP component disassembly

**SoClean features**

The SoClean CPAP sanitizing system features an:

- Oxygen generator that automatically cleans CPAP equipment
- Closed circuit that helps protect CPAP devices and other equipment from environmental toxins during sanitization

**SoClean process**

The SoClean system generates activated oxygen that sanitizes CPAP equipment within a closed circuit, without touching delicate CPAP electronics. Through a hose and fitting connected to the system, the system pumps activated oxygen directly into the CPAP humidifier reservoir. The activated oxygen sanitizes the reservoir and water to eliminate germs. After the activated oxygen passes through your mask, it releases into the sealed chamber to sanitize the mask interior and exterior. Any expelled activated oxygen passes through a filter that restores it to O₂.
CAUTION: U.S. Federal Law restricts this device to sale by or on the order of a physician.

1 Horowitz, A., Horowitz, S., Chun, C. SleepHealth Centers, Division of Sleep Medicine, Brigham and Women’s Hospital, Harvard Medical School, Boston. CPAP Masks are Sources of Microbial Contamination.