Just the Facts:
Cleaning and High-Level Disinfection (Pasteurization) for Semi-Critical Medical Devices

Benefits of using automated pasteurization for high-level disinfection of semi-critical respiratory therapy, pulmonary and anesthesia medical devices:

- Recognized by CDC as a viable method, particularly for "respiratory therapy and anesthesia equipment and accessories"
- Reduces use of harsh chemicals that can cause reactions in staff and patients
- Economical method: costs less per cycle
- Ecological practice: pasteurization cycle discharges water into drains rather than chemicals, reduces the amount of chemicals released into the environment
- Compatible with a vast majority of RT/Anesthesiology devices

List of reusable semi-critical and non-critical devices that our customers report they have reprocessed via high-level disinfection:

Table 1: Devices Compatible with a Washer-Pasteurizer/High Level Disinfector*

HEALTHCARE DEPARTMENT	ITEMS
Anesthesiology	• Manual resuscitation bags (auto-inflatable) • Humidifiers • Anesthesia gas machine bag arm rebreathing bags • Laryngoscope blades • Oxygen administration masks and head bands • Non-invasive blood pressure cuffs • Reusable endotracheal tubes • Stylettes • Ventilator breathing circuits • IV arm boards • Pulse oximeter probes • Airways • PEEP valves • Blood pressure cuffs • Ventilator inhalation/exhalation check valve assemblies • End-tidal CO_2 sample line adapter ports • Oxygen sensor circuit "T" • Velcro poseys
Cardiopulmonary Lab	• Pulmonary function testing hoses and pneumo-tachometer • Masks • Mouthpieces • Circuits
Respiratory and Sleep Lab	• CPAP masks, tubing and headgear • Tubing, smooth bore and corrugated • Manual resuscitation bags (auto inflated) • Hyperinflation bags (Nursery & NICU) • Humidifiers • Ventilator component parts • Laryngoscope blades • Oxygen administration masks and head bands • Blood pressure cuffs • Treatment nebulizers and wall oxygen humidifier bottles • Large bore tubing • Ventilator breathing circuits and water condensation traps • Croup tent components • Airways • PEEP valves • Ventilator inhalation/exhalation check valve assemblies • End-tidal CO2 sample line adapter ports • Oxygen sensor circuit "T" • Velcro poseys • Incentive spirometers • Aero Chambers

**Check each device manufacturer's instructions for use for specific processing instructions.*

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Which standards help guide departments in developing specific reprocessing practices for semi-critical respiratory therapy, pulmonary and anesthesia medical devices?	• Joint Commission: Manufacturers' Instructions for Use – Expectations Regarding Access to IFU for Medical Instruments and Devices • CDC: Guideline for Disinfection and Sterilization in Healthcare Facilities (2008) • William A. Rutala, Ph.D., M.P.H., David J. Weber, M.D., M.P.H., and the Healthcare Infection Control Practices Advisory Committee (HICPAC); *Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008*. Update: May 2019 • ANSI/AAMI ST58, Chemical sterilization and high-level disinfection in health care facilities • ANSI/AAMI ST79, Comprehensive guide to steam sterilization and sterility assurance in health care facilities
Are all pasteurizers equal?  Cenorin 610 and 610HT Washer-Pasteurizer/ High Level Disinfectors	**NO.** CDC noted that "Some data challenge the efficacy of some pasteurization units." • Cenorin 610 Series Washer-Pasteurizer/High Level Disinfectors are specifically designed for semi-critical medical device processing. • The only such system to be currently FDA cleared and extensively tested with data to back up efficacy claims. • Meets all HLD standards and offers patient safety and process control features. The system's full immersion cycle at a temperature of 72° C (161.6° F) for 30 minutes achieves high level disinfection for typical medical devices used for anesthesia, pulmonary procedures, sleep labs and respiratory care. • Optional accessories and trays accommodate a wide variety of devices and components. • Monitors cycle parameters during cycles to assure thorough cleaning and HLD. • Meters out cleaning agent for consistent dosing during the optional wash cycle • Documents and prints out verification of each wash/pasteurize cycle step and condition alerts and diagnostics. • Provides condition alerts for insufficient cleaning agent, lid not locked, heat system failure, preventive maintenance, system cleaning, system failure. • Helps to reduce space and workflow needs while potentially streamlining reprocessing functions.

For more than 40 years, Cenorin has been delivering healthcare solutions for infection control, patient comfort, worker safety and responsible waste management challenges. Our expertise lies in creating effective products that support sustainability, enhance safety and provide value.
Our products play a vital role in healthcare quality.

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