

# Filters for High-Level Disinfection Systems & Storage Cabinets

Maintain Safe & Clean Disinfection & Storage



Proper filtration is a vital component in the high-level disinfection and storage of ultrasound probes. Replace filters in disinfection and storage units regularly to maintain a clean environment and protect staff and patients from contaminants and harmful fumes.

## GUS & ASTRA Carbon Filtration

Carbon filters help remove odors and reduce staff exposure to disinfectant chemical vapors. The fan draws fumes into the carbon filter, where a chemical bonding occurs, trapping the disinfectant fumes and returning clean air to the room. If the filter is not regularly replaced, it loses effectiveness once the activated carbon is fully saturated. Replace carbon filters every six months for ASTRA Automated Probe Disinfection Systems and GUS Manual Disinfection Soak Stations.



### ANSI/AAMI ST58: 2013/(R)2018

"Rooms in which chemical disinfection is performed should have a minimum of 10 air exchanges per hour. When general room ventilation is not adequate, a self-contained, freestanding system or a local exhaust hood should be installed to capture chemical vapor during processing."<sup>1</sup>

*ASTRA Automated Probe Disinfection Systems and GUS Manual Disinfection Soak Stations are not available for sale in every country.*

REF #	Description	Quantity
610-1341	ASTRA Carbon Filter	2
610-1207	Replacement Filter for GUS G10 Stations	2
610-1208	Replacement Filter for GUS G14 Stations	2
610-2102	Replacement Filter for GUS G17 Stations	2
610-2110	Replacement Filter for GUS G18 Stations	2
610-2125	Replacement Filter for GUS G32 Stations	2

## Storage Cabinet HEPA Filtration

The CIVCO Storage Cabinet fan draws air through a replaceable HEPA filter designed to trap airborne particles such as dust, mold, and bacteria, providing a continuous flow of clean filtered air allowing safe and clean storage.

According to an excerpt from the Association for the Advancement of Medical Instrumentation® (AAMI) Biomedical Instrumentation & Technology journal, “evidence indicates that drying cabinets with static air do not effectively dry compared with cabinets that circulate filtered air.”<sup>2</sup> The United States Environmental Protection Agency (EPA) also states “All air cleaners require periodic cleaning and filter replacement to function properly. Follow manufacturer's recommendations on maintenance and replacement.”<sup>3</sup>

The integrity of HEPA filters is essential. Filters that are not replaced regularly become clogged and will no longer protect probes from contaminants. Replace the cabinet filter every twelve (12) months to ensure safe and clean storage. Replacement is signaled by the filter change indicator light one (1) month in advance.



REF #	Description	Quantity
610-1328	Ultrasound Probe Storage Cabinets Storage Cabinet Replacement HEPA filter	1

### REFERENCES:

1. Chemical Sterilization and high-level disinfection in health care facilities. ANSI/AAMI (American National Standards Institute) ST58:2013/(R)2018. Section 3.4: Ventilation of Processing Areas and Equipment
2. AAMI. Biomedical Instrumentation & Technology, May/June 2020. p. 224  
<<https://www.aami.org/docs/default-source/bi-t/bit/drying-storing-endoscopes---bit-may-june-2020.pdf>>
3. EPA. "What is a HEPA Filter?" <<https://www.epa.gov/indoor-air-quality-iaq/what-hepa-filter-1>>



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