



Voluson Ultrasound Cleaning and Disinfection Guide for Covid-19

Step-by-Step Guide for Cleaning Your Ultrasound System

This content is extracted from your Voluson™ User Manual. Information on compatible cleaning products may be found on the last page.

Console

The operator is responsible to choose the proper disinfection agent from the list to suit the individual needs of cleaning and disinfection. See last page for Disinfection Agent web link.

The operator is responsible to determine the extent and frequency of cleaning and disinfection for the system or different parts of the equipment considering the specific environment of use.

Refer to the Instructions for Use of each individual cleaning and disinfection agent (e.g. safety precautions, application and dwell time).

For cleaning and disinfecting peripherals (e.g. printers), refer to the instructions of the peripheral manufacturer.

Cleaning/Disinfection

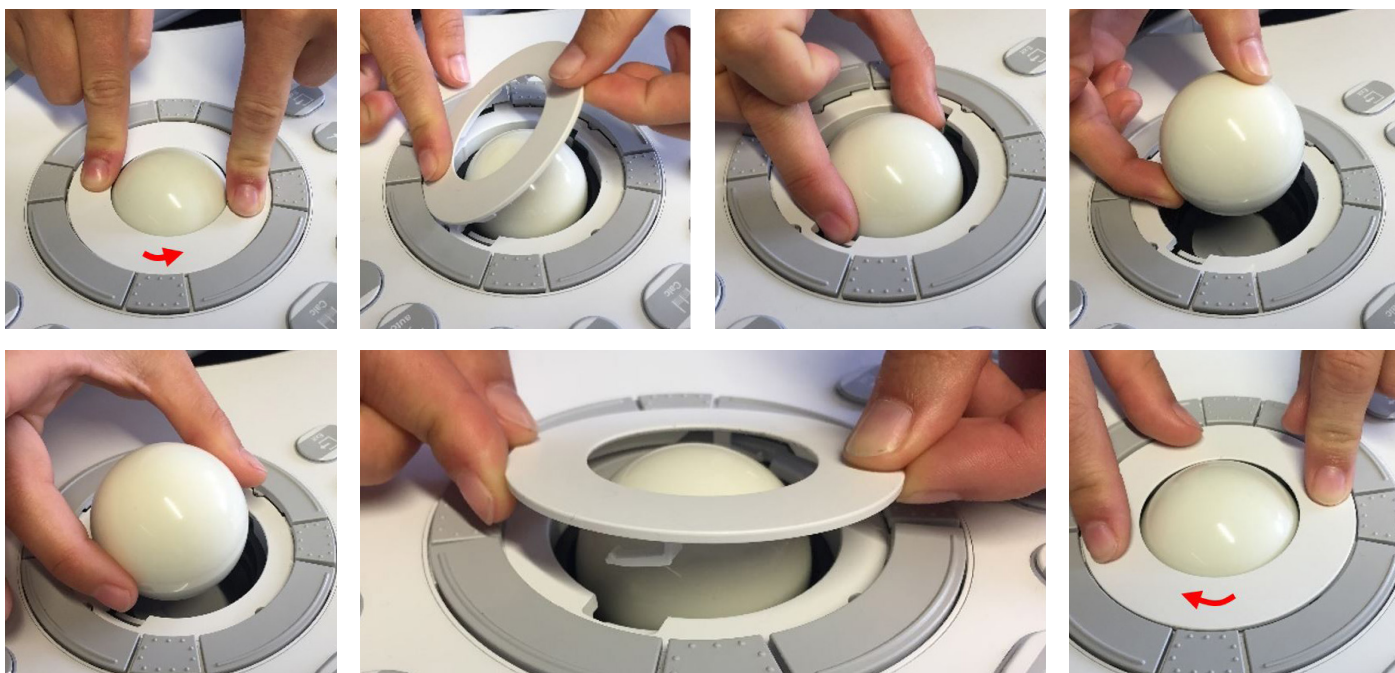
The purpose of cleaning is to remove visible dirt and to ensure the proper function of the system.

The purpose of disinfection is to reduce microorganisms on the surfaces of the ultrasound system.

- Before applying cleaning or disinfection liquids to the console, switch it off and disconnect AC power
- Do not spill liquids on the system in order to protect electrical parts
- If you use a spray or liquid, do not apply it directly onto the system. First, apply it on a non-abrasive cloth and then wipe the system with the cloth. Excessive liquids must be removed with a non-abrasive cloth to prevent liquids from entering the system
- Electrical contacts and connectors must not be touched
- Only use cleaning or disinfection agents listed in the table in the user manual or on the website <https://cleaning.gehealthcare.com/>

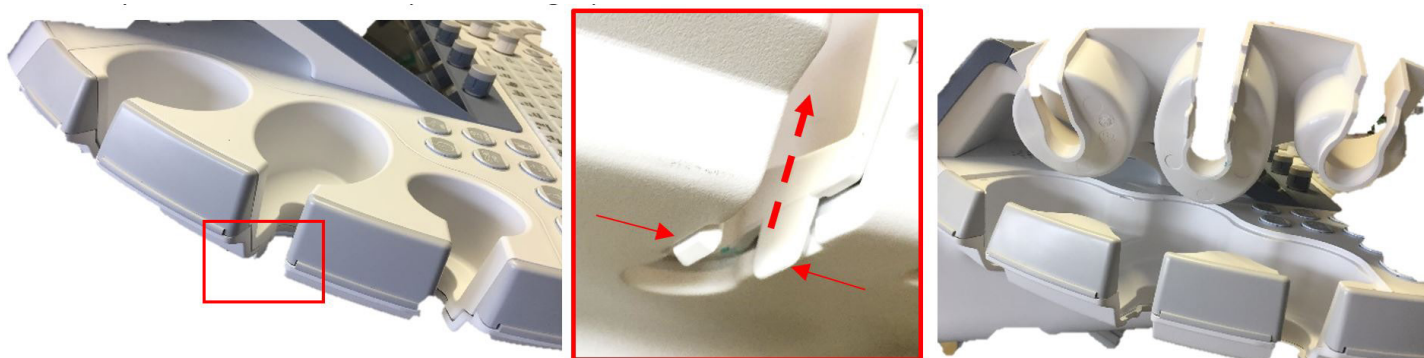
Preparation (If required, remove the removable parts as described below)

- To clean and disinfect trackball, please remove trackball according to description below



Install trackball

- To clean and disinfect probe holders and probe holder inserts, please remove probe holder inserts according to description below



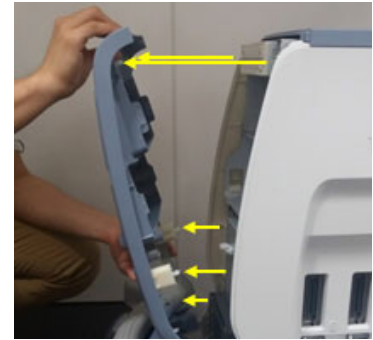
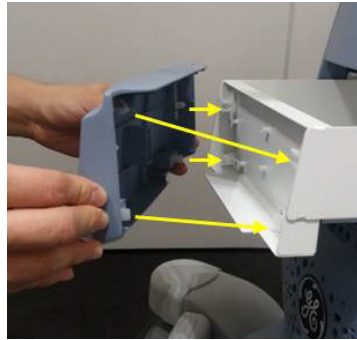
Remove probe holder inserts (left and right). For installation of the left and right probe holder inserts, just insert and click it back onto the user interface. (Pictures and procedure may vary slightly depending on which Voluson system you are using.)

Preparation *(If required, remove the removable parts as described below)*

- Cleaning of air filter:
 - **Expert Series:** Air filters at the back of the system (see image below) need to be cleaned with a vacuum cleaner. As the local dust exposure strongly varies, the cleaning interval needs to be adjusted on local experience of dust collection on the filter. A first recommendation is to clean it once a month (Similar approach for Signature/Performance Series, air filter location in front of the system)
 - **Signature/Performance Series:** See description of Expert Series. Please be aware air filter is located in front of the system

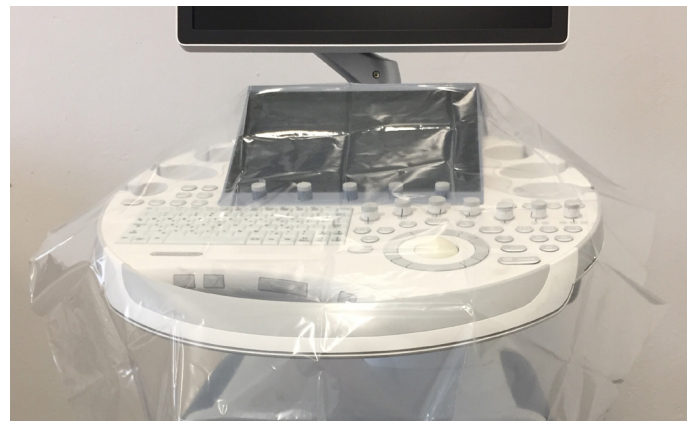


Voluson Expert system



Voluson Signature/Performance system

- Due to the geometrical complexity of the ultrasound system (e.g. buttons and gaps), it is technically not possible to apply cleaning and disinfection agents on all areas. Therefore, GE recommends the use of a sterile system drape (e.g. CIVCO part number 610-025), when using the ultrasound system in areas of enhanced hygienic requirements



CLEANING AND DISINFECTING RESOURCES

Compatible Cleaners for your Voluson Ultrasound System *(Click to View)*

**Console Cleaning: Cleaner and Disinfectant
Material Compatibility**

**Frequently Asked Questions on
Cleaning and Disinfection**

**General Documentation Library/
User Manuals**

Voluson Club COVID Resources

GE Healthcare Mobilising by Your Side

Other Resources *(Click to View)*

World Health Organization (WHO)
Coronavirus Resources

World Health Organization (WHO)
Decontamination and Reprocessing
of Medical Devices

Centers for Disease Control and Prevention (CDC)
Coronavirus Resources

Centers for Disease Control and Prevention (CDC)
Cleaning and Disinfection for Community Facilities

Centers for Disease Control and Prevention (CDC)
Guidance: Interim Infection Prevention and Control
Recommendations for Patients with
Suspected or Confirmed COVID-19

**United States
Environmental Protection Agency (EPA)**
List of Disinfectants for Use Against SARS-CoV-2

**European Centre for Disease
Prevention and Control (ECDC)**
COVID-19 Resources

Japan National Institute of Infection Disease (NIID)
Corona Resource



© 2020 General Electric Company – All rights reserved.

GE Healthcare reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Healthcare representative for the most current information. GE, the GE Monogram, and Voluson are trademarks of General Electric Company. GE Healthcare, a division of General Electric Company. GE Medical Systems, Inc., doing business as GE Healthcare.

April 2020 JB78849XX