

Environmental Decontamination Framework Information Pack



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1. About the Framework

NHS Supply Chain: Facilities and Office Solutions Environmental Decontamination framework includes products and services that clean areas, rooms, water and air for use in healthcare environments.

The products available on the framework are widely used by both infection control and facilities and estates departments regularly as best practice throughout trusts. Customers can access devices, consumables and services involved through one easy central location. There is currently no other framework in the market that covers this equipment.

NHS Supply Chain's framework offers both immediate and long-term solutions to cleaner rooms, water and environments, as well as patient segregation bays to provide solutions where there is an infectious outbreak and trusts are dealing with space constraints.

There are seven Lots available on this framework:

- **Lot 1:** Misting / Fogging or Aerosol disinfection machine – This Lot includes the supply of hydrogen peroxide (HPV) decontamination systems. Products available include fogging machines and consumable items such as fogging solution, door sealant, room tape, and signage. Training, servicing and maintenance contracts are also available.
- **Lot 2:** Ultra Violet Lighting (UVC) machines – This lot is for UVC decontamination machines and consumable items, including replacement bulbs and signage. Training, servicing and maintenance are also available.
- **Lot 3:** Patient segregation bays – This includes disposable and semi-permanent patient segregation solutions. Training is also available.
- **Lot 4:** Air Purification Systems – This lot is for air purification machines to deliver clean air throughout healthcare settings. Consumable items including replacement filters, training, maintenance and servicing are also available.
- **Lot 5:** Managed Decontamination Service – This includes the use of misting/fogging or aerosol machines and UVC machines. Services can be provided on an adhoc or regular basis.
- **Lot 6:** Healthcare Water Treatment Systems – This lot includes UV water disinfection systems, copper and silver ionisation systems and chlorine dioxide dosing to provide clean water to healthcare settings. servicing and maintenance contracts are also available.
- **Lot 7:** Water Filters and Consumables – This lot includes a variety of water filters, adapters and connectors for taps and showers.

2. Benefits of Ordering through NHS Supply Chain

Choice

- Wide choice of brands from a single source – we offer a wide choice of environmental decontamination equipment and consumables to ensure your requirements are met.

More savings

- Pay less – with NHS Supply Chain you have a wider range of product options so you can select the ones that are fit for purpose and value for money.
- Leave your tendering to us – spend less time and money on tendering and let our procurement specialists undertake it on your behalf.

More value

- An integrated approach – the financial benefits of NHS Supply Chain go beyond just product prices. Our approach is an integrated one that reduces cost throughout the supply chain, from raw materials to global logistics, resulting in a much lower total cost.
- Purchasing through our route – when there are changes in the market, we can help minimise the impact of price rises and give support with cost saving initiatives.

Our knowledge and expertise

- Dedicated Hospital Care and Out of Hospital Care Teams – your day to day contact for all queries. They will help you identify savings opportunities, solve any issues on your behalf and ensure high service levels are always met.
- NHS Supply Chain Buyers – procurement specialists in their product fields who can give expert advice on new and alternative products.
- Implementation Team – experts in helping you set up the new processes and training required when introducing new products.
- Customer Services Team – with the daily support provided by our dedicated and knowledgeable advisors and service managers you know you are in safe hands.

Peace of mind

- Products guaranteed – our framework agreement incorporates all the latest required standards and procedures including British Standards (BS), European Standards (EN), International Standards (ISO). Ordering through this framework ensures that you are buying a product that has been through efficacy and standards testing, backed by an NHS professor.
- Dependable deliveries – having access to the know-how and resources of one of the world's largest logistics companies means we can offer unrivalled dependability and responsiveness when it comes to our delivery services.
- Framework agreement – awarded in accordance with UK procurement legislation.
- Sustainable development – we are certified to ISO 140001 International Standard for Environment Management System.

3. How to Order

Another benefit of ordering through this framework is the option to purchase direct with the supplier, as well as the NHS Supply Chain catalogue. Many of our products are listed as direct, meaning you can purchase direct with the supplier to ensure you are receiving exactly what you need for your requirements.

Customers will need to obtain a quotation through our Category team or the Supplier direct to benefit from National Framework Agreement Pricing. Please quote the framework reference number when contacting your preferred supplier to ensure the correct pricing and compliance.

If a trust chose to direct award, a URN number is optional and can be requested from the Category team. This URN must then be detailed on your purchase order to order the required equipment.

Category team contact - facilitiesandofficesolutionssupport@supplychain.nhs.uk

Choose

Select the products you want to purchase

Contact

facilitiesandofficesolutionssupport@supplychain.nhs.uk

Quote

Quote the framework reference number
2025/S 000-074584 and URN number

Delivery

Products are delivered in accordance with agreed
lead times directly to your trust

4. Specialist Support

NHS Supply Chain have recommended considerations to support you in choosing the most suitable decontamination system for your needs in the infographic on the following page.

If you would like to discuss your specific requirements, please contact a member of our team facilitiesandofficesolutions@supplychain.nhs.uk



5. Recommended considerations when choosing your decontamination system

If you're looking for a consistent solution to keep the air in your environments clean, you may want to consider Lot 4 – Air Purification.

If you require a decontamination solution in addition to your standard cleaning procedures, you may want to consider Lot 1 (HPV) or Lot 2 (UVC).

When choosing either a UVC or HPV decontamination solution, we have provided some key topics to consider to support you in your decision.

To safely use a HPV machine, you should have a chemical sensor to monitor for leakages and measure the endpoint of the process. The concentration of hydrogen peroxide levels should have fallen below 1ppm prior to anybody re-entering the room. Some suppliers provide this, if they don't, we stress the importance on you to purchase one in order to ensure the safety of your staff and patients.
Dräger X-am® 5100 | Draeger
D16 PortaSens Portable Gas Leak Detector | ATi Gas Monitoring (analyticaltechnology.com).

Which types of organism do you intend to decontaminate with an automated disinfection system?

- Viruses
- Bacteria
- Spores
- Fungi and Yeast
- Mycobacteria
- All of the above.

You can request information and evidence of efficacy against each organism type from NHS Supply Chain or from any prospective supplier.

All relevant products on the framework have provided evidence that they meet the European test standards for automated decontamination systems – EN17272:2020 and disinfection using UV radiation - BS 8628:2022. There are variances as to what organisms they decontaminate and the timeframes they can do this. We recommend getting sight of the EN/BS certifications so you can better understand how each supplier achieved this.

What do you consider to be a feasible total cycle time for use of an automated disinfection system in a single patient room?

UVC systems have a much quicker cycle time (upwards of five minutes depending on room size), but you will need to enter the room throughout the process to re-arrange furniture and equipment to ensure the UVC is penetrating all surface areas. The UVC can only kill bacteria that the light hits, so any surfaces that are not hit with the light will not be decontaminated.

HPV processes take upwards of two hours, however this process decontaminates the whole area, including any furniture or equipment in the room, in a single cycle.

Will you have access to utilise building heating, ventilation and air conditioning (HVAC) to clear each of your target rooms of chemistry following the use of an automated disinfection system? If not, select a system with dedicated aeration technology (equipment to actively remove/breakdown the injected chemistry).

Consider requesting live product demonstrations from perspective suppliers, paying particular attention to – equipment usability, cycle time and cycle end point measurement (this would be done with the chemical sensor)

6. Contact Us

If you have any questions regarding the framework, or would like to speak to a member of the team, you can contact the NHS Supply Chain Facilities and Office Solutions helpdesk.

Email: facilitiesandofficesolutionssupport@supplychain.nhs.uk