

► VIRUS FILTRATION

NXT *mfilt*

Automated Bioprocessing System



Single-use technology continues to be adopted for many areas of bio processing. The use of automation provides additional benefits in manufacturing such as consistency in product quality, reduced labor costs, and reduction of operator errors.

The NXT*mfilt* system is designed for use in many areas of bio processing such as:

- Sterile filtration
- Bioburden reduction
- Depth filtration
- Virus filtration
- Media and buffer preparation
- Membrane chromatography
- pH adjustment
- Virus inactivation
- Final formulation and filling

Key Features

Good engineering design provides reliability, robust operation and minimizes the risk of operator error.

High degree of automation enables precise and consistent operation, control of key parameters, and minimizes operator contact.

High degree of flexibility to run many different processes.

Design

The systems are designed to automate all of the steps needed for pH adjustments and virus inactivation, with fully automated addition of acid & base stock solutions.

A large selection of pre-designed manifolds is available, which ensures that it will suit a wide range of applications. A specially designed manifold selection tool helps identify the most suitable manifold for your application from this assortment.

A choice between sensors and connectors, as well as tubing type, provides an easy way to configure a system without any guesswork or mistakes when selecting flow paths: no other system offers such extensive standard configurations!

The system is designed to automatically monitor multiple parameters and the following sensors can be selected:

- Pressure (inlet, between filters, outlet single-use sensors)
- pH (reusable probe in mixer)
- Flow (inlet single-use sensors)
- Conductivity (reusable probe in mixer or single-use sensor on outlet)
- UV (outlet single-use sensors)
- Mass (via load cell connection)

Easy Configuration

PharmNXT Biotech supports customers from the design to the execution phase of a new and existing production facility with the most comprehensive support program, that ensures the successful design, implementation, and validation of the manufacturing facility. PharmNXT Biotech offers end-to-end solutions for Pharmaceutical, Biopharmaceutical and Vaccine manufacturing.

Quality Assurance

Our *NXTmfil*t systems are designed, developed, and manufactured by ISO 9001:2015 certified Quality Management System. They undergo extensive testing before shipping. We make sure our products are manufactured according to cGMP requirements and are suitable for the cleanroom process.

Support

PharmNXT supports users from the design to the execution phase of a new and existing production facility with the most comprehensive support program, that ensures the successful design, implementation, and validation of the manufacturing facility. PharmNXT offers end-to-end solutions for Pharmaceutical, Biopharmaceutical and Vaccine manufacturing.





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