PharmNXT
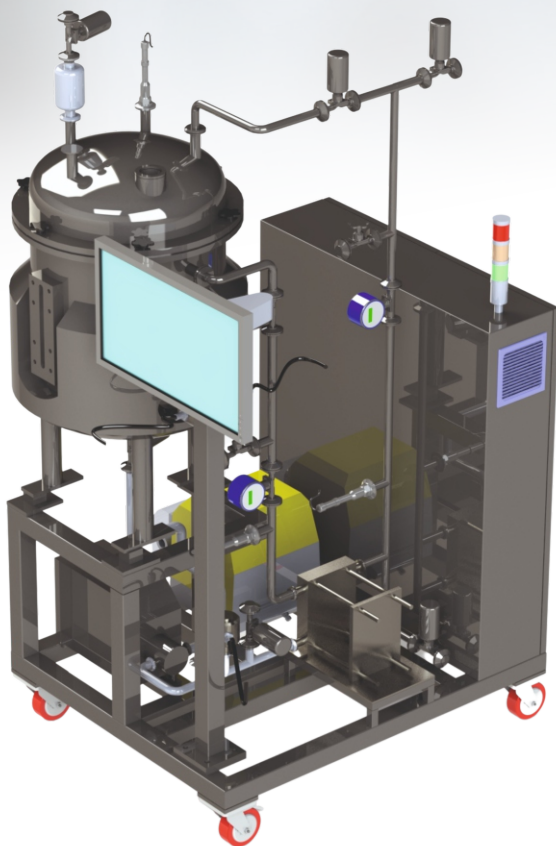
NXTtff

Single-Use And Stainless Steel Tangential Flow Filtration System

The NXTtff system by PharmNXT is a system that's perfect for running fully automated UF/DF processes at high capacity. It can handle any volume between 20L and 500L (200 g to 2.5 kg), and the compact system, has a low hold-up volume and the capacity to accommodate cassettes with surface area ranging from 0.5 to 2.5 m2

Benefits

- Designed for efficiency in TFF applications
- High level of operation-basedautomation
- Quick single-use flow kit change out, and clean ability, maximizes batch turnaround

System Concept:
The NXT*tff* System is a combination of hardware, control system and single-use flow kits that works together to create a system that provides ease of use. It has been proven to run automated process sequences for TFF processes — while keeping sensors and instruments within reach.

The NXT*tff* System facilitates the automated processing of batch volumes from 20L to 500L of monoclonal antibodies, recombinant proteins and vaccines processes.
The single-use sensors provide the means to fully monitor and control the process

Typical applications
- Cell harvesting/clarification
- Recombinant protein concentration
- Vaccine concentration/purification
- Monoclonal antibody clarification/concentration
- Plasma purification/concentration

Integrated stainless steel tanks
TFF processes require a tank to feed the filter and to collect retentate. If you're running a tangential-flow filtration system, you need to consider your filtration tank. From mixing to measuring and from reducing recirculation volume to communicating with the rest of the system, the tank is an integral part of the filtration process. PharmNXT offers stainless steel tanks and single use tanks as per process requirements. Different tank volumes can be chosen for specific systems, depending on the desired process volumes. A large range of options is available, including sensors, valves, mixer, pressurized tank, cooling jacket, and hoses.

User-Friendly Software
The control unit uses a simple, user-friendly interface via the touchscreen for data input and programming commands. The system is shielded from unauthorized access with password protection (four levels), and all events and actions (alarms, process steps, manual commands, etc.) are recorded in accordance with cGMP guidelines. The program allows you to operate the system manually or automatically.

Quality Assurance
Our NXT*tff* systems are designed, developed, and manufactured in accordance with ISO 9001:2015 certified Quality Management System. They under go extensive testing before shipping. We make sure our products are manufactured according to cGMP and are suitable for clean room 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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