



Accelerate to market and reduce your purification costs with the SciLog® SciPure™ TFF and NFF Systems.

The SciPure™ system's user-friendly interface and menu-driven operation with data acquisition (21 CFR Part 11) make them ideal for GMP manufacturing. Systems come with a comprehensive documentation package that drastically reduces validation times.

Semi-manual to fully-automated operation makes tech transfer seamless and accommodates existing processes. The SciPure™ 'Open Architecture' design allows you to use any manufacturer's filters.

Contact Parker domnick hunter to discuss how the SciPure™ system can be quickly configured to accommodate your TFF and NFF needs. We have one of the shortest lead times in the industry.

Features and Benefits

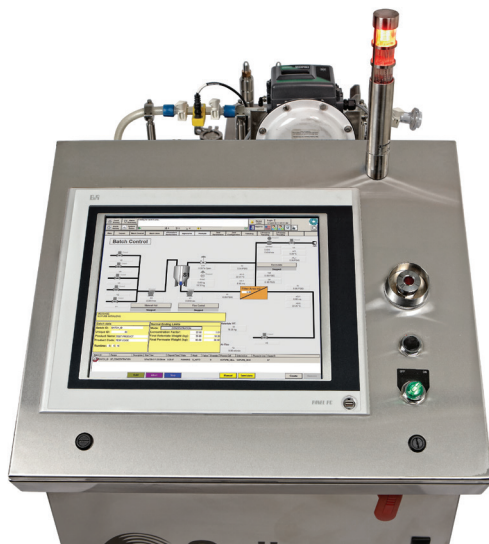
- Maintains optimal TFF or NFF conditions with fully-automated control
- User-friendly with full colour graphical display, touch-screen and menu-driven operation
- User definable recipes and parameters, or real-time control
- Reduces purification costs by optimizing, controlling and documenting your processes
- Batch method generator
- Configured single-use or stainless steel manifolds with minimum hold-up volume
- Can be used with any manufacturer's filters
- Ethernet IP
- User administrative controls

SciLog® SciPure™

- fully-automated bioprocessing system
- GMP-ready TFF and NFF



Note: SciLog®, SciPure™ and SciPres® are trademarks of Parker Hannifin Corporation.



Applications

Concentration
Diafiltration
Clarification / sterilization
Media and buffer preparation
Fluid transfer
Mixing
Chromatography and column loading
Harvest
Desalting
Viral filtration

Configured Single-Use Manifolds

Individualized, pre-packaged and presterilized manifolds not only reduce cleaning and cleaning validation times, but also reduce setup time by engineering your application and ensuring installation success. You can set up recurring orders for just-in-time delivery of manifolds or they can be stored in secure inventory and atmosphere controlled warehouses. All flowpath designs are individually configured and drawn by in-house engineers.

Integrated with filters, sensors, and bioprocess containers, single-use manifolds can be pre-assembled and sterilized with SciLog® SciPres® pressure sensors, Parker domnick hunter filters (or filters of your choice), as well as single-use bioreactor, collection or hanging bioprocess containers.

Manifolds for TFF

Manifolds can be provided pre-assembled with sensors and integrated filter plate insert for flat sheet membranes or gamma-stable hollow fiber filters.

Now with

FactoryTalk® Batch*
 FactoryTalk® Historian*
 FactoryTalk® View SE* (optional)

**FactoryTalk® is a registered trademark of Rockwell Automation, Inc.*

Specifications

	Description
Dimension	50" L x 30" W x 48" H (127cm L x 76.2cm W x 121.9cm H) other configurations available as system requires
Enclosure & Rating	304 Stainless Steel framework, Mobile platform with pharmaceutical grade casters, NEMA 4X, IP56
Pneumatics	Compressed air, Nitrogen @ 35 psi
Power	208VAC 1/3 Ph, 480VAC 3Ph
I/O Ports	Standard connections for 3 SciPres® pressure sensors, 2 SciCon® conductivity sensor, retentate quantification and permeate flow rate / quantification. Additional I/O and digital communications available.
Operational Mode	Endpoint concentration and diafiltration modes, manual mode
International Quality Standards	RoHS, CE, ETL, CSA and UL
Plant Communications	Rockwell Ethernet IP

Options and Accessories

- The SciLog® SciFlex® system is available in three styles and can be configured to be fully automated
- TMP valve required to enable process point recover for paused states or alarms
- Constant rate / constant pressure TFF is available as an upgrade
- A variety of pumps is available for recirculation, permeate and diafiltration
- Automated transmembrane pressure valve
- Inlet fluid selection valve
- Retentate quantification, permeate quantification, electrical specification and pneumatic specification
- WeighStation™
- Test manifold
- SciLog® sensors
- UV sensor for quantification of extremely high retentate protein concentrations and detection of extremely low concentrations of product leaks through filter into permeate
- Single-use bioprocessing containers and manifolds
- Single-use flowmeter can replace any balance

Ordering Information

Please contact your local Parker domnick hunter representative to discuss how these systems can be configured for your needs.