



## SciLog® SciFlex® Filter and Dispense System

- final bulk filtration & dispense
- manual, semi or fully automated

The SciLog® SciFlex® Filter and Dispense System is an automated single-use system for the bulk filtration and container fill of purified biopharmaceuticals.

The two operations can be performed within a completely enclosed environment giving maximum protection to operator and product alike. An in-line filter integrity test provides assurance the filtration has been effective prior to filling into containers.

The SciLog® SciFlex® Filter and Dispense System's open architecture design accommodates Parker domnick hunter or any other commercially available filter.

### Features and Benefits

- Automated system for performing final bulk filtration and dispensing
- Integrated WeighStation™ provides gravimetric dispensing control.
- SciPres® Pressure Sensors and R/P Stat Method incorporated to ensure validated pressure limits are not exceeded during critical sterilizing-grade filtration
- Touch-screen interface with OPC connectivity for process documentation
- Mobile and compact base
- User and consumable alarms and interlocks
- Four standard filtration modes of control
- Closed system processing
- Intuitive easy to learn and use software
- Barcode interlocking mechanism prevents operation with incorrectly loaded manifolds
- Integrated label printer allows container and documentation labelling with recipe parameters on labels suitable for cryogenic storage
- Printer alarms if no labels are loaded to prevent data loss
- Fully disposable flow path
- Folding trays for documentation and tube welders
- A variety of sterile disconnectors are available



Note: SciLog®, SciFlex®, SciPres® and WeighStation™ are registered trademarks of Parker Hannifin Corporation.

## The SciLog® SciFlex® Filter and Dispense System offers four modes of process control:

- **Constant Rate NFF:**  
Maintain rate, monitor pressure.  
The system will ensure pressure does not exceed a high limit set point.
- **Constant Pressure NFF:**  
Maintain pressure, monitor rate.  
The system will ensure rate does not exceed a minimum set point.
- **R/P Stat Method:**  
The system maintains a constant rate, monitoring pressure until a selectable pressure is reached. At this pressure, the system immediately switches to constant pressure, monitoring rate until a minimum set point is reached.
- **Manual Operation:**  
User definable motor set point

## Batch control is ensured:

Recipes can be conveniently stored and recalled at the time of execution to save time and reduce the risk of parameters being installed incorrectly.

Up to 10 sequential steps can be stored to provide continuous processing.

## The SciLog® SciFlex® Filter and Dispense system automates a 10 step process:

1. Water flush to waste
2. Filter equilibration to waste
3. Air purge to waste
4. Product filtration to BPC
5. Air purge to maximize recovery
6. In-line filter integrity test
7. Reconfigure system for dispensing
8. Dispense and bottle manifolds primed
9. Container filling
10. Product recovery

## Specifications

	Description
<b>Dimensions</b>	Operating footprint 70" x 28" (1.7m x 0.7m)
<b>Enclosure &amp; Rating</b>	304 stainless steel framework, mobile platform with pharmaceutical grade casters, NEMA 4X, IP65 rated cabinet
<b>Power</b>	230V +/- 10%, 1P/3P, 50/60Hz (Power section)
<b>I/O Ports</b>	Auxillary ports for balances, mixers and sensors
<b>Operational Mode</b>	Constant rate, R/P Stat Method, constant pressure and manual mode
<b>Dispense Capacity</b>	Up to 250L of final drug substance can be dispensed into bags or bottles in aliquots of 100mL to 2L
<b>Minimum Dispense Accuracy</b>	±10g

## Options and Accessories

- Parker domnick hunter pre and membrane filters
- SciLog® sensors
- Single-use bioprocessing containers and manifolds
- Test manifold
- IQ/OQ documentation package to support validation efforts
- WeighStation™
- Serialized weight confirmation kits

## Ordering Information

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

