



SciLog® Cryobag Filler System

- fully automated filling system for cryobags
- temperature controlled feed vessel

Parker's SciLog® Cryobag Filler System brings automation and efficiency to the cell banking process.

The SciLog Cryobag Filler System is designed to optimize the formulation and filling of cell based products. Using an integrated stir plate and chiller, your cells are kept at your specified temperature while waiting to be dispensed. In addition to providing adequate mixing of your cryopreservation agent of choice.

Automated sealing of all the bags is done simultaneously using TPE tubing. This reduces the time it takes to get them off the system and into the freezer, preventing damage being caused by cryopreservation agents.

Features and Benefits

- Integrated mixing vessel with temperature control (0 to 50 C)
- Automated sealing using TPE or PVC/EVA tubing
- Single pump manifold can be used for multiple spines
- Color touch-screen HMI with intuitive interface
- Programmable alarms and interlocks
- 21CFR Part 11 compliant
- 3 L/ min flow rate
- Spin plate mixing speeds up to 250 RPM
- Easy integration into DCS/ SCADA systems
- User access control via local or active directory
- Can be integrated with existing mixer/chiller/scales



Note: SciLog® is a registered trademark of Parker Hannifin Corporation.

Control Options

- Parker SciSoft
- DeltaV
- Wonderware
- Siemens S7

SciLog Cryobag Filler Systems can be operated as a standalone system with process controls, data collection and user levels on the local System.

Parker has experience integrating systems with all major plant control systems using OPC, Profibus and Ethernet IP communication protocols.

Automated Sealing of Bags

Proprietary technology allows for all bags to be sealed simultaneously when using TPE tubing. Aseptic disconnectors or crimp collars can be used if preferred.



Sealer in open position



Sealer in closed position

Specifications

Footprint	66"L (167.64cm) x 24"W (60.96cm) x 47"H (119.38cm)
Data	21 CFR Part 11 Compliant
Controller	Allen Bradley based PLC systems, Siemens and DeltaV can be used as well.
User Interface	SciSoft with ability to connect to building management systems e.g. DeltaV on Request
Pump	MasterFlex I/P, up to 3 L/min
Quantification	2 x Mettler Toledo Scales, Model dependent on required fill volume and accuracy.
Power Options	208 V, 1P or 3P, 60 Hz, 20A
Chilling/Mixing Unit	ThermoElectric AHP-1200MSP
Mixing Speed	Up to 250 RPM
Fluid Process Temperature	0 – 50 C
Bag Sealing	Automated heat sealing using TPE or PVC/EVA via an integrated seal bar
Sealing time for Bags	10 seconds
Tube Welder	Sartorius Biowelder TC - Other welders can be used if preferred
Weld time	1.5 - 2.5 min using Sartorius Biowelder TC
Fill accuracy	+/- 5% of fill volume
# of bags per spine	Up to 24
Fill Volume	25ml up to 1L - Additional sizes upon request

Documentation and Support

Included with System

- FAT and SAT
- Hands-on training at FAT
- Certificate of Compliance
- System operations manual
- P&ID and General Arrangement Drawing with P&ID Callouts
- Electrical schematic
- Calibration certificates
- Critical spares list with manuals or data sheets
- Frame material certificates

Additional Options

- GAMP document package includes:
 - Functional specification
 - Software design specification
 - Hardware design specification
 - IQ/OQ document package
- Service package
- On-site training
- IQ/OQ document package
- PQ document package

Documents provided with single-use manifolds

- Extractable and Leachable Information
- BSE/TSE Statement
- Animal Origin Statement
- USP Class VI Statement
- Gamma Irradiation Certificate
- Certificate of Conformance

To configure additional options for systems or manifolds, please contact your Parker sales representative or email bioprocess.systems@parker.com

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