



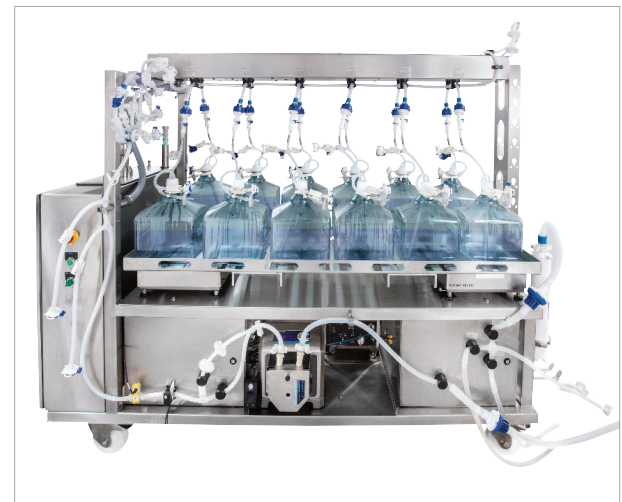
SciLog® Filter & Dispense Bottle System

- continuous bulk filtration & bottle filler for BDS applications
- compact design for space efficiency
- unique manifold design for efficient operation

The SciLog® Filter & Dispense Bottle System is a continuous bulk filtration and bottle filler designed to fill up to 1000 x 20L bottles accurately and aseptically in an automated fashion, with limited manifold changes.

Automation and ease of use enables operators to perform the bulk filtration and filling process for BDS applications without receiving specialized training. By using a closed flow path and sterile connections, additional environment monitoring is not required during the process, which can be performed in a standard clean-room environment without a need for a flow cabinet.

Both the hardware and the consumables have been designed in tandem to minimize product losses and maximize yield.



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

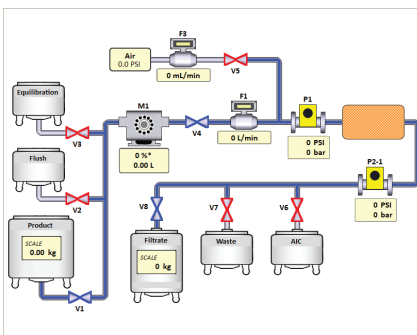
Features and Benefits

- Standardization of fill operations with minimal training
- No additional environmental monitoring required
- Ergonomic operation and low processing time
- Easy change outs with removable bottle trays and aseptic disconnections
- Easy automation that enables filling across multiple shifts
- Simultaneous filtration during dispensing
- Built in automation to minimize bulk product loss
- Reverse flow and purge options to maximize product recovery
- Recovery of 99% of product in dispensing spine
- In process sampling
- Automated filter flushing and conditioning with automated inline filter integrity testing
- Fully programmable alarms and interlocks to protect operator, product and process; reducing variation while increasing productivity and improving overall safety

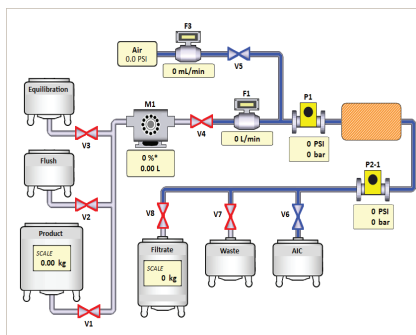
Flexible Performance

The SciLog Filter & Dispense Bottle System is designed to perform 3 process steps in one; filtration of bulk material, pre and post-use integrity testing of the filter, and dispensing into bulk containers.

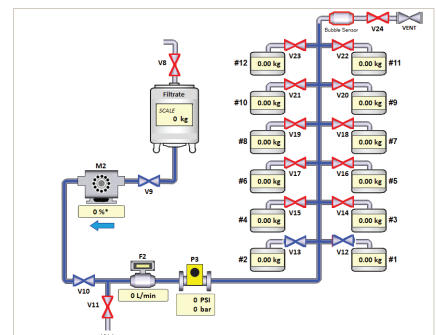
Filtration into immediate container



In-line integrity testing



Gravimetric dispensing



Validated Shipping Solution

Drawing on extensive material science expertise within Parker, and in collaboration with users, key issues associated with foaming during filling, variable sealing of bottles at low temperature and transport damage risks have been addressed.

Patented Sealing Technology



- Integrity validated down to -89°C
- Range of connections available
- Silicone or TPE tubing

Integrated J-Tube



- Foaming minimized
- Filling time optimized

Protective Transport Cap



- Validated shipping
- Crimped tubing protected during shipping via transport cap
- Validated to ASTM D4169

Specifications

Dimensions	83"L (210.82 cm) x 36"W (91.44 cm) x 75"H (190.5 cm)	Software compliance	Compliant to 21CFR11
Fill volume range	1 L – 20 L bottles	User interface	SciSoft with ability to connect to Plant control system (e.g. DeltaV™ on request)
# of bottles that can be filled before pump manifold replacement	1000	Automation	PLC onboard- single or batch
Hold-up volume	99% recovery	Connection to plant control system	OPC, Profibus, or Ethernet IP
Filtration pump	Quattroflow 1200 SU 1.8 – 18 L/min	Recipes	Flush, equilibrate, filter integrity test, const rate/const pressure filtration, bulk weight management, dispensing and recovery
Dispensing pump	Watson Marlow (0.1-12 L/min) or Master Flex (0.1 -17 L/min) peristaltic pumps	In-line sensing	2x SciPres II Single-Use Pressure Sensors
Scale resolution	1% of full scale	Qualification package	Standard turnover package included. IQ/OQ, PQ and GAMP packages available upon request.
Tubing	Standard is silicone, options for TPE and PVC. Fitted with connections to match fill containers and feed vessel.	Certificates	System COC, Manifold COC, Gamma, USP Class VI
MOC of manifolds	Platinum cured silicone, polypropylene, polysulphone, pharmapure, polycarbonate	Operating temperature	4°C to 40°C
Label printer	Cryogenic compatible labels	Electrical standards	Meets Stds for CE/UL/CSA, RoHS, REACH
Pneumatic requirement	90 PSI instrument air or nitrogen	Electrical requirements	100-240V single-phase, additional voltages available upon request

Ordering Information

SYSTEMS				CONSUMABLES	
805 - FDBOT -	Code	Dispensing Pump	-	Code	Utilities
	WM	Watson Marlow		120-1	120V single phase
				220-1	220V single phase
	MF	MasterFlex		220-3	220V three phase
				480-3	480V three phase
Manifold Type		Part#			
Filtration Manifold		805-FDBOT-MNFD-PREFILT			
Post Filtration Line Manifold		805-FDBOT-MNFD-POSTFILT			
Distribution Pump Manifold		805-FDBOT-MNFD-DISTPUMP-WM ¹			
		805-FDBOT-MNFD-DISTPUMP-MF ²			
5 Line Manifold		805-FDBOT-MNFD-5LINE			
Bottle Spine Manifold		805-FDBOT-MNFD-SPINE			

¹ For Watson Marlow Pump / ²For Masterflex Pump

Example part configuration: 805-FDBOT-WM-120-1

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

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