
























BIOPROCESSING SYSTEMS					FLUID MANAGEMENT
Semi-Automated	Fully-Automated	Fully-Automated	Fully-Automated	Fully-Automated	Quantitative Fluid Management
SciLog® NFF System	SciLog® TFF System	SciLog® Filter & Dispense Systems	SciLog® Inline Dilution System	SciLog® Cryobag Filler System	SciLog® WeighStation Family
					
<ul style="list-style-type: none"> • Single use system for depth, sterile, viral, and bioburden reduction filtration • Optimizes filter throughput with patented Rate-Pressure control mode • Monitors TMP using SciLog single use pressure sensors • Easy integration with existing scales 	<ul style="list-style-type: none"> • Fully automated single use system, sized to fit your application • Automated TMP control • Can be integrated into SCADA and MES systems • Works with hollow fiber or cassette filters 	<ul style="list-style-type: none"> • Available in both bag & bottle designs • Automates final filtration and filling of bulk drug substance • Fills up to 12 x 20 L bags and/or bottles gravimetrically per dispensing spine • Completely closed single-use flow path protects both the operator and product 	<ul style="list-style-type: none"> • Automated control to ensure output remains in specification (pH or conductivity) • Can be used to create bulk buffer or feed processing equipment directly. • Monitors plant WFI supply. Can connect directly to WFI drop or use with a break bag • Incorporates inline single-use static mixer technology 	<ul style="list-style-type: none"> • Fills up to 24 x 1 L cryobags gravimetrically for cell banking or cell-based products • Integrated sealing bar seals all bags at once • Integrated chiller and stir plate allow for formulation directly on the system • Label printer automatically prints labels 	<ul style="list-style-type: none"> • The SciLog® WeighStation™ family is an assortment of mobile, compact, bioprocessing container holders with integrated scales for gravimetric fluid handling • Mobile design/small footprint • Gravimetric application control • Optional displays • Multiple configurations • Operator friendly design • Easily integrates with existing systems

INTELLIGENT LAB SYSTEMS					
Complete Cell Culture Harvest System	Normal Flow Filtration (NFF) System	Precision Metering System	Smart Dispenser System	Cell Culture Maintenance System	Tangential Flow Filtration (TFF) System
HarvestClear™ Filtration System	FilterTec /FilterTec Plus	ChemTec	LabTec	MabTec	PureTec
					
<ul style="list-style-type: none"> • A turnkey solution for rapid controlled clarification of bioreactors with volumes up to 20 L • Reduced set-up time • Integrated SciPres® pressure sensors enable patented R/P Stat Method which improves filter capacity and allows for safe, walk-away processing 	<ul style="list-style-type: none"> • Filterability studies and VMax determination • Increase DEF filter utilization up to 35% • 3 pressure sensor and balance hook-ups for filter trains • Safe, walk-away system operation. 	<ul style="list-style-type: none"> • Stored methods for linear or exponential feed by weight or volume • Validated methods for pH control and titration, analytic (UV, turbidity) device tracking, preparative chromatography, and buffer weight maintenance • Walk-away automation with remote or user defined alarms and interlocks • Programmable control of two 6-port rotary valves 	<ul style="list-style-type: none"> • Rapid, high precision dispensing / filling, mL to L • Automated dispensing by weight or by volume • In-line filter sterilization – senses filter plug-up • Sample weighing and auto-diluting – weight ratio capability • Performance validation sent with each LabTec® 	<ul style="list-style-type: none"> • Promote high-density cell culture through automated seed, feed and perfusion strategies • Methods and alarms to protect your entire cell culture processes • Modular compact design enhances current setups • Seamless integration to any bioreactor to enhance performance 	<ul style="list-style-type: none"> • Ideal for lab-scale UF/MF/DF – concentration and diafiltration • Controls and monitors TMP (transmembrane pressure) and feed rate • Set end points and alarm for walk-away operation

FLUID MANAGEMENT					
Fluid Storage	Fluid Storage	Fluid Storage	Fluid Transfer	Fluid Transfer	Connector Kits
DuraPure™ Bag Systems	klave-it™ Bags	SpinBag	Tubing	Custom Manifolds	Accessories
					
<ul style="list-style-type: none"> DuraPure™ bags are available in the following sizes: 250mL, 1L, 5L, 10L, 20L, 50L, 100L Each system is designed to seamlessly integrate with the rest of your process mitos-P platinum-cured tubing with molded junctions and sanitary fittings TPE tubing with molded junctions and sanitary fittings Contact us to discuss your custom needs 	<ul style="list-style-type: none"> Autoclavable bags are made of select Kynar® PVDF film designed to maintain flexibility, strength and impact resistance after sterilization by autoclave Available in pillow style Low permeability Can be filled and then autoclaved 	<ul style="list-style-type: none"> The compact SpinBag Mixing System offers the advantages of single-use in a bench top mixing solution Constructed of fully validated DuraPure C93 film Stores flat and ideal for bioprocessing applications Easily integrated with filters, sensors and pumping systems Platinum-cured silicone magnetic stir 	<ul style="list-style-type: none"> A range of platinum-cured silicone tubing, etched with lot and part numbers for traceability Ideal for molding with other silicones into manifold assemblies Other tubing products include a number of reinforced tubings 	<ul style="list-style-type: none"> Single-use systems tailored to your application Proprietary technology allows any configuration of Ys, Ts, crosses, reducers, and elbows, with virtually unlimited lengths between molds Molded junctions are stronger, eliminate entrapment, and offer smooth, unrestricted flow Contact us to discuss integrating bags, tubing, sensors and connectors to suit your needs. Can also be made with zip-ties 	<ul style="list-style-type: none"> Full range of connectors from a wide array of suppliers Allows flexibility and connectivity within your process One stop shop convenience to meet all of your connection needs

SINGLE-USE SENSORS	FILTRATION			INTEGRITY TESTERS
Sensors and Sensor Monitors	Sterilization / Bioburden Filters	Pharmaceutical Prefilters	Gas Filters	Integrity Testing Equipment
SciPres SciCon SciTemp	PROPOR Range	PROCLEAR Range	TETPOR Range / PEPLYN Air	Porecheck / Valairdata
				
<ul style="list-style-type: none"> Pre-calibrated sensors for single or extended-use Each sensor is pre-calibrated with a unique identifier and is lot traceable Factory calibration ensures the highest level of accuracy and is stored on each sensor's memory chip for out of the box, plug and play use Custom calibrations available Available in 5 connection variants 	<ul style="list-style-type: none"> Fully validated and integrity testable bioburden reduction, sterile filtration and mycoplasma removal All PROPOR products incorporate fast flowing and low binding PES membrane Available in cartridge and capsule formats 	<ul style="list-style-type: none"> Effective reduction of particulate and microbial contaminants in pharmaceutical liquids Ideal for protection of downstream membrane filters Wide choice of filter materials give flexibility in all processes 	<ul style="list-style-type: none"> Extensive range of membrane and depth filters for all air, gas and venting applications Unrivalled flow rates for decreased system size Sterile filters are fully validated and integrity testable 	<ul style="list-style-type: none"> Porecheck 4 - Water intrusion, pressure decay and bubble point testing of membrane liquid filters Valairdata - Aerosol challenge testing of sterile gas filters



Parker Hannifin Corporation
 Bioscience Filtration - N.A.
 toll free: +1 877 784 2234
 phone: +1 805 604 3400
 fax: +1 805 604 3401
 email: bioscience.na@parker.com

Parker Hannifin Manufacturing Ltd
 Bioscience Filtration - EMEA
 phone +44 (0)191 4105121
 fax +44 (0)191 4105312
 email: bioscience@parker.com