

SciLog[®] SELECT GO

Single-Use Reinvented



ENGINEERING YOUR SUCCESS.



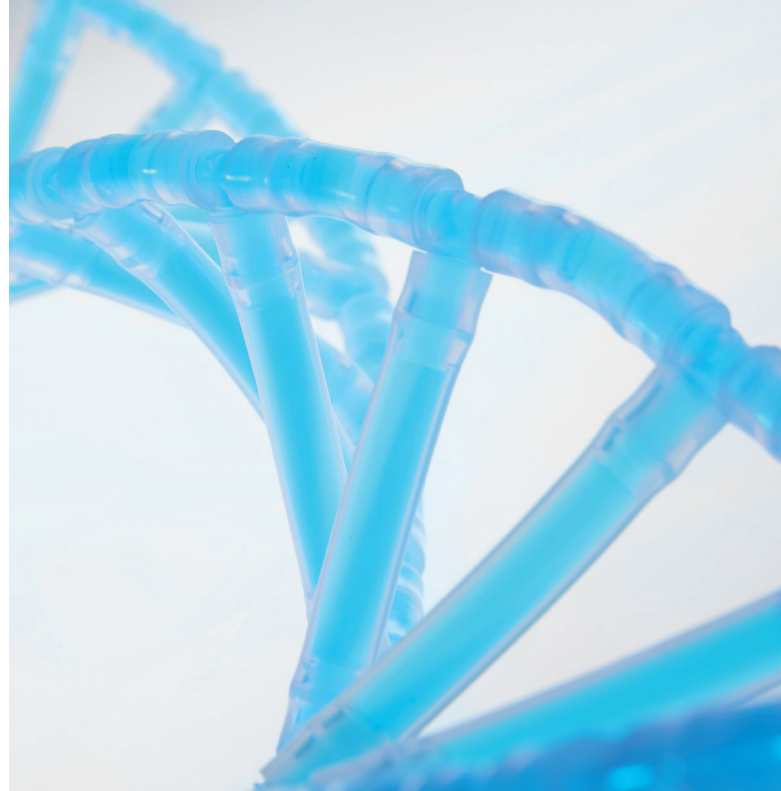
SciLog® SELECT GO Single-Use Assemblies

SciLog® SELECT GO Single-Use Assemblies offer the speed of a standard single-use solution with the design flexibility to meet the individual needs of your process.

Product contact materials utilized in single-use components and assemblies are always under the spotlight – potentially now more than ever. Choosing non-standard or non-characterized materials can lead to delays in the implementation of single-use technology and delays within manufacturing for the end user.

With this in mind, the components selected for use within the SciLog® SELECT GO range have been chosen based upon the availability of validation data and an established supply chain.

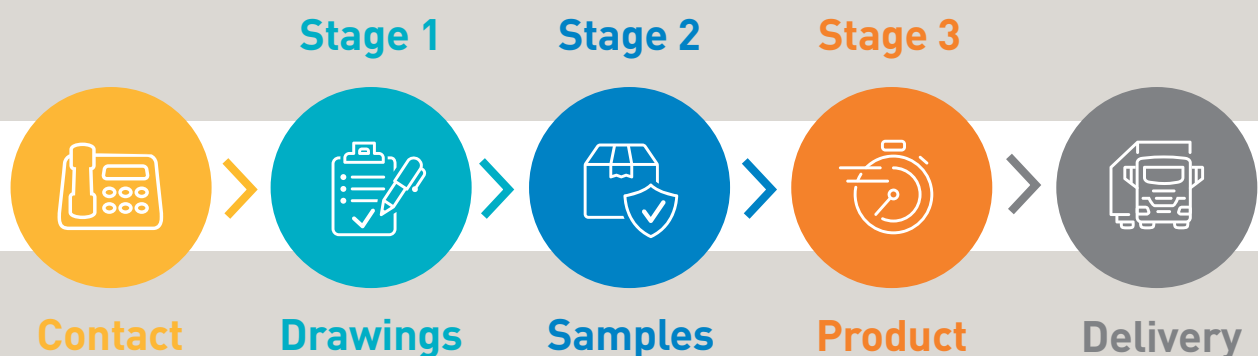
The SciLog® SELECT GO design space solution uses a toolbox of validated parts and assemblies to build a configured solution for your process. It offers increased speed to market and the benefits of a robust and reliable supply chain.



Configured-to-order single-use assemblies from Parker's design space offer:

- Rapid design turnaround
- Rapid sample manufacture
- Reliable delivery
- Extensive validation package
- Localized manufacture

Cutting down on implementation time



Lead time of eight weeks or less after order placement

SciLog® SELECT GO Configured from Design Space

- **Extensive compliance and validation package**
- **Quotation in five days or less**
- **Shipped within eight weeks of order placement**

Further customization is available within standard lead times.

SciLog® SELECT GO Certification

To allow for fast and easy implementation, all components within the SciLog® SELECT GO Single-Use Assembly design space have been pre-qualified so assemblies can be certified to the specification detailed below:

- USP <88> Biological Reactivity Tests for Plastics Class VI – 70°C
- USP <661> Plastic Containers Physiochemical Testing
- USP <788> Particulate Matter in Injections
- USP <85> Bacterial Endotoxins
- TSE/BSE Statement
- ASTM D4169-16 (Performance Testing of Shipping Containers)
- 2 year shelf life
- Gamma irradiation and sterilization according to ISO 11137



Components in the Design Space

Tubing	Connections	Connect & Disconnect	Tube Terminations	Sensors	Bioprocess Containers	Filtration	
Mitos-P Platinum cured silicone for peristaltic pumps	Overmolded Junctions Y's, T's, X's and reducers	Aseptic Connectors (CPC® aseptiquik G&S)	Tri-Clamp® Caps and Fixtures	Temperature	Ultra Low Density Polyethylene (ULDPE) Based Film	Sterile	
Mitos-R Reinforced platinum cured silicone for high pressure applications			Luer Connections		2D Hanging & Pillow Bags (500ml – 25L)		
C-Flex® 374 Thermoplastic elastomer (TPE) for heat welding / sealing	Barbed Junctions Y's, T's, X's, reducers and elbows		CPC® (polysulphone & polypropylene)	Dispensing Needles	Conductivity	3D (50L- 500L)	Hollow Fibre
C-Flex® 082 Thermoplastic elastomer (TPE) for heat welding / sealing	Oetiker® Clamps (Retainer)			Crimped Disconnects		Pressure	
Bioprene® Thermoplastic elastomer (TPE) for pumping elements	BarbLocks® (Retainer)	Pips / Tube Plugs			Totes for 3D Bags		Prefiltration
Pharmed® Thermoplastic elastomer (TPE) for peristaltic pumps	Tie Wrap (Retainer)						

Bioprocess Containers

Bioprocess Container Bags

Parker's 2D and 3D bioprocess container bags are manufactured with DuraPure™ C93 film. This is a high clarity medical film designed to provide the best combination of strength, flexibility, gas barrier and low extractables. The product contact layer of this 5-layer film is ultra low density polyethylene (ULDPE). The gas barrier layer is ethylene vinyl alcohol (EVOH). The recommended working temperature range of DuraPure™ C93 film is 0 °C to 60 °C, but it has been used in applications for short term exposures at temperatures less than -45 °C and up to 80 °C.



Bioprocess Container Bottles

Within the design space, we offer Nalgene – PETG/ Polycarbonate bottles.

Tubing

Mitos-P

Non-reinforced platinum cured silicone tubing ideal for peristaltic pumping and manifolds.

Mitos-R

Polyester braid reinforced platinum-cured silicone tubing, designed for higher pressure applications

C-Flex® Tubing

Thermoplastic elastomer with low permeability that can be heat sealed and bonded. This is available in 374 and 082 formulations.

Bioprene® Tubing

Thermoplastic elastomer with low permeability that can be heat sealed and bonded. This performs well in peristaltic pumps.

Pharmed® Tubing

Thermoplastic elastomer with low permeability that can be heat sealed and bonded. This performs well in peristaltic pumps.

All types are available in 1/8" to 1" (internal dimensions).

Retainers

Overmolding

Overmolding has multiple advantages. It can help to overcome material compatibility issues, can mitigate the risk of thermal and mechanical stress and when a single material of construction is required, it simplifies the validation process. An overmold is available in silicone or TPE and has uniform flow path dimensions.

Oetiker®

Oetiker® retainers are available in many sizes and work with all material types. They have a 360° compression and can be applied to a known force for repeatability.

BarbLock®

BarbLock® retainers work with all material types and have a 360° compression.

Tie Wrap

Tie wraps are available in a wide range of sizes and they work with all material types.

Junctions

Polypropylene Junctions

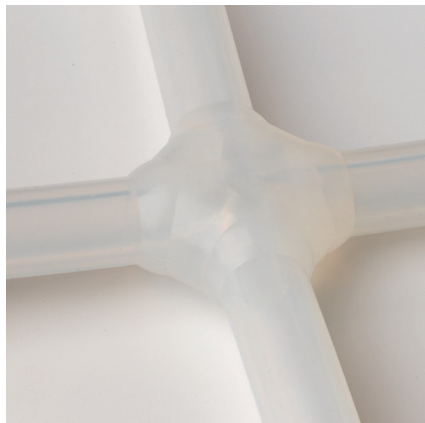
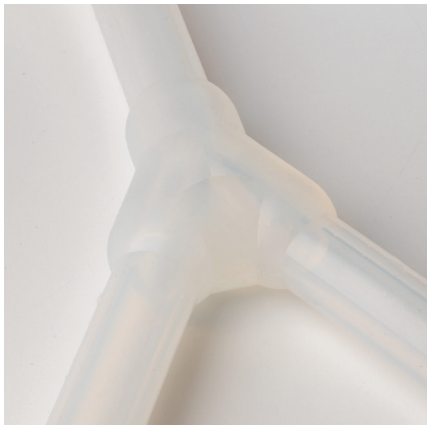
Polypropylene junctions are available in the following versions:

- Barbed T
- Barbed X
- Barbed Y
- Barbed reducers/straights
- Barbed elbows

Silicone or TPE Junctions

Silicone or TPE junctions are available in the following versions:

- Overmolded T
- Overmolded X
- Overmolded Y
- Overmolded reducers/straights



Connect & Disconnect

Aseptic Connectors

Included in the design space are AseptiQuik® G and S genderless connectors from CPC®, which provide quick and easy sterile connections, even in non-sterile environments.

Available in gamma-stable or autoclaveable versions, AseptiQuik® connectors are constructed from polycarbonate. Including large and small formats, their sizes range from 1/4" to 3/4".

Disconnects

MPX, MPC and MPU Quick Disconnects from CPC® are ideal for rapid change out and compatibility between components. Constructed from polysulphone or polycarbonate, Quick Disconnects feature a thumb latch that, when depressed, separates or reconnects the two pieces in seconds. Additionally, HFC39 Series couplings provide aseptic disconnect functionality.

Tri-Clamp® Fittings

Tri-Clamp® to Hose Barb (Maxi and Mini Flange)

Made from polypropylene, these fittings feature a radiused flow surface controlled to 15 micron Ra to ensure a smooth, uninterrupted flow and no particulate build-up. They can be used with all tubing types.

Integrated Silicone Fittings

Integrated Silicone Fittings are an option for high reliability where product value is greatest. They offer a seamless fluid path with no leak points and are available for mitos-P and mitos-R tubing.

Integrated TPE Tri-Clamp® Fittings

Integrated TPE Tri-Clamp® Fittings are an effective solution for high reliability where product value is greatest. They offer a seamless fluid path with no leak points and are available for C-Flex® tubing.

Sealing

End caps, gaskets and clamps are available for sealing of molded or plastic Tri-Clamp® ends and are compatible with any size fitting.

Tube Terminations

Luer Caps & Barbs

Manufactured from polypropylene, luer caps and barbs are available for 1/8", 3/16" and 1/4" tubing in female and male formats.

CPC® Quick Disconnect Caps & Plugs

Manufactured from polysulphone or polycarbonate, CPC® Quick Disconnect Caps & Plugs are available in sizes of 1/4", 3/8", 1/2" and 3/4". They provide system integrity with the flexibility of attaching to connectors or equipment.

Injection Sites

Needleless, swabbable injection sites allow for sampling without contaminating the product stored within the system. They have a polycarbonate body and silicone valve.

Pips/Tube Plugs

Pips or tube plugs provide a simple method for sealing off open tube ends and maintaining the integrity of systems that have been gamma irradiated or sterilized. They are manufactured from polypropylene.

NovaSeal® Crimped Disconnects

The pinch-pipe/tube combination, along with the crimping tool, enables a leak free disconnection of single-use assemblies.

Single-Use Sensors

Parker's proprietary SciLog® Single-Use Sensors are designed for incorporation into single-use systems to allow for greater process control. The sensors are pre-calibrated which reduces set up time and avoids contamination risks associated with field calibration. Sensors are available in five different connection sizes for ease of scale-up throughout process development.

SciLog® SciPres® Pressure Sensors

Monitoring and controlling pressure with SciPres® Pressure Sensors increases the efficiency and safety of filtration and purification operations.

SciLog® SciCon® Conductivity Sensors

SciCon® Conductivity Sensors can increase the efficiency of downstream purification operations such as diafiltration and chromatography through accurate measurement of conductivity parameters.

SciLog® SciTemp® Temperature Sensors

SciTemp® Temperature Sensors enable control of conditions during critical applications such as virus filtration that are validated within a specific temperature range.



SciLog® Automated Bioprocess Systems

SciLog® SELECT GO Single-Use Assemblies can be integrated into automated systems for applications such as:

- Normal flow filtration
- Tangential flow filtration
- Virus filtration
- Bulk final fill



Filters

From media preparation and cell culture harvest to purification and final fill, Parker offers a range of normal flow and tangential flow filtration capsules for integration into SciLog® SELECT GO Single-Use Assemblies.

PROPOR TFF Hollow Fibre Cross Flow Filters

Parker's hollow fibre cross flow filters are specially designed for use in biopharmaceutical manufacturing in microfiltration and ultrafiltration applications.




Supplied glycerine-free and ready to use, PROPOR TFF single-use filters provide maximum cross flow performance with minimal preparation and installation time.



Normal Flow Membrane Filters and Pre-Filters

Parker's PROPOR range of PES membrane filters combined with the PROCLEAR range of prefilters are specifically designed and validated for use in all biopharmaceutical normal flow filtration applications such as mycoplasma removal, sterilization, bioburden reduction and general clarification.



		PROCLEAR GF	PROCLEAR GP	PROCLEAR PP	PROCLEAR PP+	PROPOR MR	PROPOR SG	PROPOR HC	PROPOR BR
		Particulate Removal	Particulate Removal	Particulate Removal	Particulate Removal	Mycoplasma Retention	Sterilizing Filtration	High-Capacity Sterilizing Filtration	Bioburden Reduction
	Micron Rating	0.6 - 10 µm	0.5 & 0.6 µm	0.6 - 100 µm	0.5, 0.6 & 1.0 µm	0.1 µm	0.1 - 0.45 µm	0.2 µm	0.2 µm
Syringe Filters		●	●	●	●	●	●	●	●
DEMICAL Capsules		●	●	●		●	●	●	●
MURUS Capsules		●	●	●	●	●	●	●	●

Effective Filtration Area (EFA)	Syringe Filters		E Size		B Size		A Size		K Size		10" Size	
	cm²	in²	m²	ft²	m²	ft²	m²	ft²	m²	ft²	m²	ft²
PROCLEAR GF	14.50	2.25	0.05	0.6	0.10	1.07	0.20	2.2	0.27	2.9	0.56	6.0
PROCLEAR GP	14.50	2.25	0.03	0.3	0.06	0.6	0.12	1.3	0.16	1.7	0.34	3.7
PROCLEAR PP up to	14.50	2.25	0.07	0.75	0.14	1.50	0.28	3.01	0.37	3.98	0.79	8.5
PROCLEAR PP+ up to	14.50	2.25	-	-	-	-	-	-	0.25	2.69	0.52	5.60
PROPOR BR	14.50	2.25	0.05	0.53	0.10	1.07	0.20	2.15	0.26	2.79	0.55	5.92
PROPOR SG	14.50	2.25	0.05	0.53	0.10	1.07	0.20	2.15	0.26	2.79	0.55	5.92
PROPOR HC	14.50	2.25	0.05	0.53	0.10	1.07	0.20	2.15	0.26	2.79	0.55	5.92
PROPOR LR	14.50	2.25	0.05	0.53	0.10	1.07	0.20	2.15	0.26	2.79	0.55	5.92
PROPOR MR	14.50	2.25	0.05	0.53	0.10	1.03	0.19	2.09	0.24	2.58	0.50	5.38



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Parker Hannifin Manufacturing Ltd
Durham Road
Birtley, Co. Durham
DH3 2SF, United Kingdom
phone: +44 191 410 5121

Parker Hannifin Corporation
2340 Eastman Avenue
Oxnard, CA 93030, USA
toll free: 877 784 2234
phone: +1 805 604 3400



www.parker.com/bioprocessing