CPC
A DOVER COMPANY

CONNECTION SOLUTIONS FOR BIOPHARMACEUTICAL PROCESSES

WE INSPIRE CONFIDENCE AT EVERY POINT OF CONNECTION

CPC (Colder Products Company) is the leader in the design and manufacture of single-use connection technology and connectors for the biopharmaceutical market. CPC offers a wide variety of solutions including sterile connect, sterile disconnect, SIP connections and open connects. Our innovative designs provide flexibility for biopharmaceutical manufacturers to easily combine multiple components, single-use or hybrid systems including process containers, tubing manifolds, transfer lines, bioreactors, and other bioprocessing equipment.

Easy to use and robust single-use connectors from CPC maintain flow path sterility and integrity while enabling biopharmaceutical manufacturers to improve production yields, decrease time to market and reduce costs. Our genderless sterile connectors simplify process integration, maximize flexibility, and streamline supply chains. CPC makes peoples' lives better by developing innovative high-quality products that make media transfer safe and easy.

QUALITY

At CPC, everyone is involved in meeting or exceeding our customers' expectations from our suppliers to our distribution network, and most important, our employees. CPC measures and continually improves our standards of product quality, support services and overall customer and employee satisfaction. CPC's Quality System conforms to ISO 9001 and ISO 13485 standards. Products for biopharmaceutical applications are manufactured in our two ISO Class 7 certified cleanrooms.

Learn more about our cleanrooms and quality control processes at:
cpcworldwide.com/resources-support/quality-compliance

EXPERIENCE

CPC is the leading provider of quick connect couplings, fittings, disconnects and combination connectors used in fluid transfer. We innovate, engineer and manufacture fit-for-purpose products in close collaboration with our customers.

Founded in Minnesota in 1978, CPC has built a successful, growing company by focusing exclusively on critical points of connection within fluid management systems. CPC's reach is global with operations in the US, Germany and China, sales offices in ten countries and hundreds of distributor partners and OEM solution providers around the world.

CPC's biopharma team includes an innovative research and development group solely focused on creating the next generation of single-use technologies, with dedicated product managers, technical specialists, quality engineers and test lab expertise.

Our single-use and closed systems connectors empower our customers' solutions to be safer, more efficient and reliable. CPC biopharma experts provide media handling expertise for our customers as well as to the industry. These resources include:

- Channel Management Team – supporting our OEM and integrator partners.
- Applications Development Team – serving as consultants to our end user customers.
- Customer Fulfillment and Inside Sales Teams – serving our channels and end customers.

CPC offers application and operator training designed to provide guidance on where and how single-use technology can be used or optimized in the manufacturing process. For more details visit cpcworldwide.com/training.

SUPPLY CHAIN

With a commercial model designed to be market neutral, CPC is committed to offering consistent pricing programs, common delivery lead times and product availability information to all customers. Our market neutrality ensures that CPC retains supply chain integrity, ensures accountability and upholds our reputation as a world-class organization.

Additionally, as part of CPC's commitment to meeting the needs of biopharma customers, our products are produced in multiple cleanroom manufacturing facilities. This redundancy is designed to maintain product availability, manufacturing efficiency and reliability of manufacturing processes.

ONLINE RESOURCES

Visit cpcworldwide.com/bio for answers to your questions about our company and products.

VALIDATION TEST REPORTS

Validation test reports provide details of all the testing that has been performed on the product to ensure confidence at every point of connection. Extractables data can also be requested.

PRODUCT VIDEOS

Check out some of the latest innovations, technologies, and product tutorials in our CPC biopharma videos. Our video library contains instructions on how to assemble CPC connectors as well as best practices and tips to ensure you get the most out of every connection.

APPLICATION ARTICLES

CPC's industry experts share their knowledge on specific biopharmaceutical applications and how single-use technologies have helped our customers improve production.

CAD MODELS

See our connectors from all angles, anytime, anywhere. Get immediate access to 2D drawings and 3D models for use in your manufacturing process diagrams or to fit your specific needs. Simply register on our site to download CAD models in many different file formats.

REGULATORY & COMPLIANCE DOCUMENTS

CPC follows strict regulatory compliance standards to ensure the quality of our supply of our products. The materials used in our broad portfolio of products are compliant with various regulatory bodies including NSF, RoHs, REACH and more. Download the documents you require to meet regulatory and compliance standards.

ASK OUR ENGINEERS

We're here to help. When you have questions, CPC's team of expert engineers has answers. From flow rates to material compatibility and more, we specialize in providing media fluid connection solutions to meet the requirements of your most complex biopharma applications. Looking for something more specific to your needs, reach out to one of our industry experts with a specific question.

VISIT CPCWORLDWIDE.COM/BIO

REGULATORY AND COMPLIANCE

ISO 13485 CERTIFICATION

ISO 13485 is recognized by regulators around the world as a good basis for addressing medical device design and manufacturing regulatory requirements. It allows us to enhance product safety by proactively identifying and managing product and project risks. Our quality management system is ISO 13485 certified, which allows us to better control the consistency of manufactured products.

ISO 9001 CERTIFICATION

ISO 9001 is a standard which assures consistency of a product ordered by customers. Organizations having ISO 9001 certification have demonstrated compliance to the ISO 9001:2015 requirements by an independent registration authority. CPC's Quality Management System has been approved and certified under the ISO 9001 standard.

CLEANROOM MANUFACTURING

CPC manufactures certain Life Sciences and Chemical Management product lines in cleanrooms certified by an external testing service to meet or exceed ISO Class 7 at 0.5 mm per ISO 14644. Certification data is available upon request.

ANIMAL DERIVED COMPONENT FREE (ADCF)

According to declarations from CPC's raw material suppliers, the materials used to manufacture the flow path components of the biopharmaceutical product lines do not contain substances of animal origin.

FDA

The U.S. Food and Drug Administration publishes, through the Code of Federal Regulations, standardized criteria which govern the acceptability of materials used in food contact.

REACH

REACH is the regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals. It entered into force on 1st June 2007 to streamline and improve the former legislative framework on chemicals of the European Union (EU). REACH places greater responsibility on industry to manage the risks that chemicals may pose to the health and the environment. CPC publishes a list of CPC products that are compliant with the EU regulation 1907/2006.

RESTRICTION OF HAZARDOUS SUBSTANCES (ROHS)

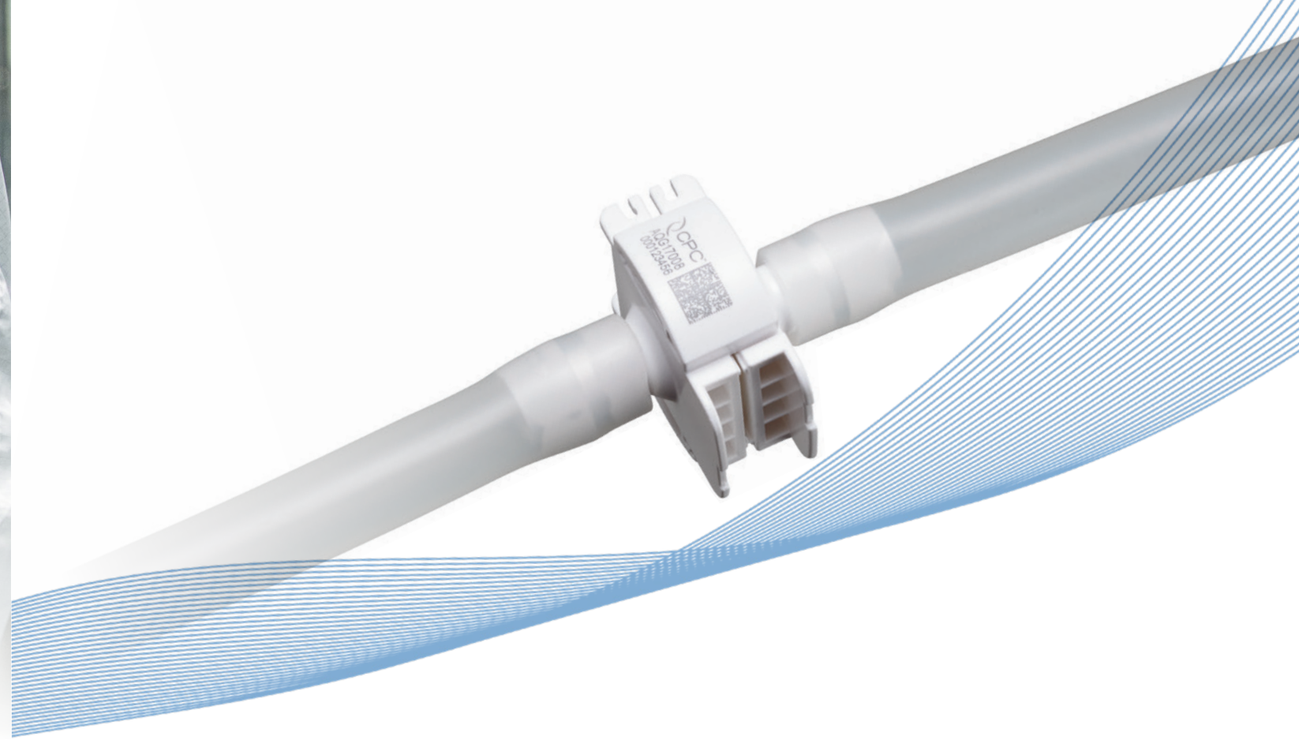
This directive bans new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

UNDERSTANDING SINGLE-USE SYSTEMS

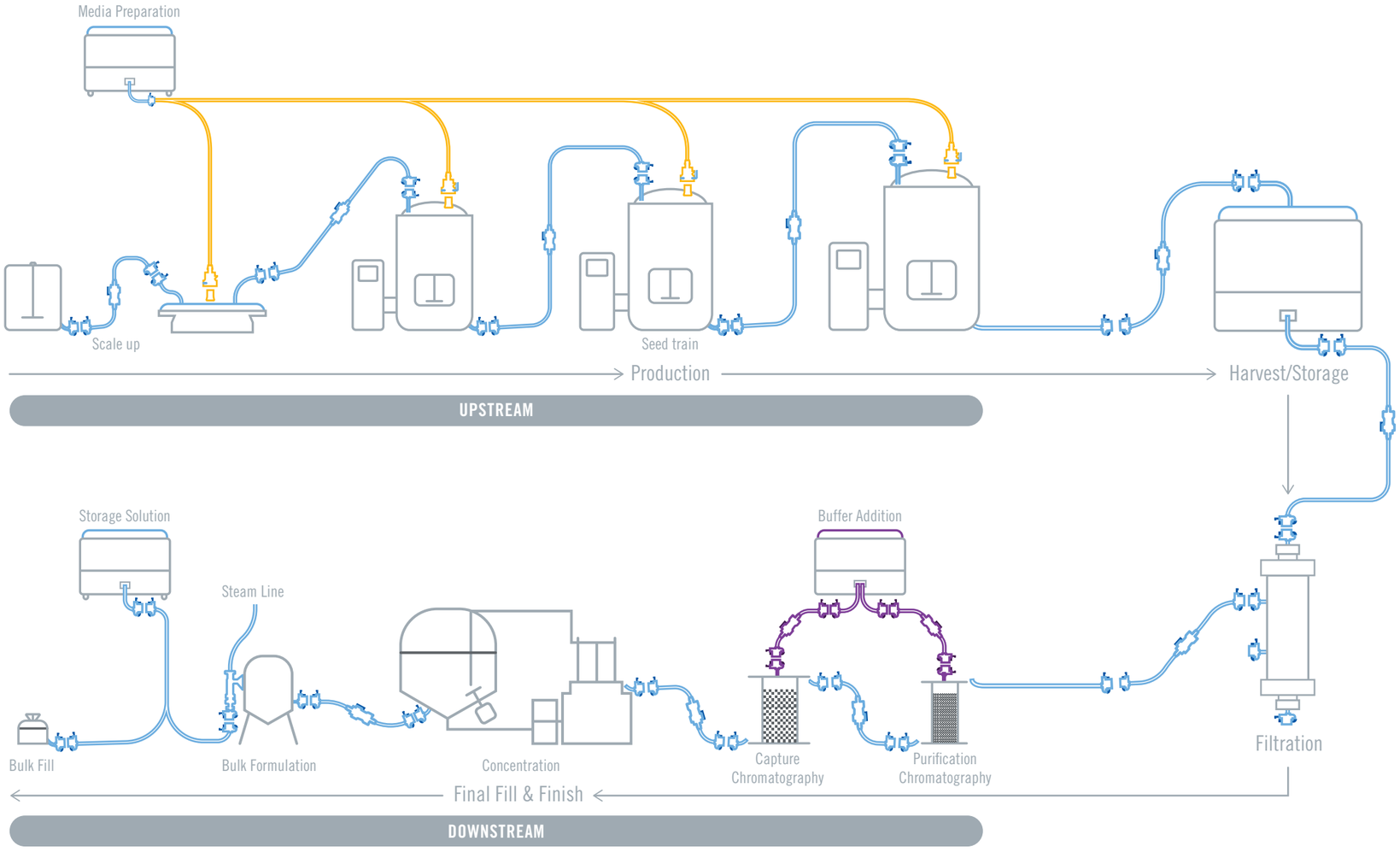
Increasing global demand for new biologics, vaccines and cell therapies is driving manufacturers to replace traditional stainless equipment with single-use systems, which consist of plastic-based processing equipment used in the development and production of biopharmaceutical drugs.

BENEFITS OF SINGLE-USE

Operational Efficiencies	Increases flexibility and faster batch turnaround.
Cost Effectiveness	Minimizes cleaning and validation requirements.
Economic Advantages	Reduces capital expenditures and facility footprints.
Safety and Quality	Improves sterility assurance while decreasing the risk of cross-contamination and product loss.
Flexibility	Facilitates multi-drug production and fast product changeover.
Sustainability	Consumes less water, energy and chemicals when compared to stainless-based processing. Single-use plastic waste is an excellent fuel source for waste-to-energy conversion.



UNDERSTANDING THE BIOPHARMACEUTICAL MANUFACTURING PROCESS



Single-use bioprocessing is designed to be flexible, efficient, and effective in the manufacture of drug substances, monoclonal antibodies, vaccines, biosimilars and regenerative medicines. The process is split into two main sections, upstream and downstream.

Along with growing the cell line, the purpose of the upstream process is to scale-up the volume of the target protein or cell from volumes as small as a vial to bioreactors that can be as large as 5,000L.

Once the target specimen has reached a target yield, it turns the corner towards the downstream process. The goal of the downstream line is to clarify, purify and filter the target. Reaching this goal is done with processes such as clarification, viral inactivation, chromatography and various types of filtration. The final step is fill and finish, where the target cell has been grown and purified to the point where it can be used for filling syringes or other devices to give to a patient to start their healing process.

TABLE OF CONTENTS

ASEPTIC CONNECTION TECHNOLOGY

THE END OF THE WELD IS HERE.

INTRODUCING

MicroCNX™ SERIES CONNECTORS

TUBE WELDING IS NO MATCH FOR THE NEW SMALL-FORMAT, SINGLE-USE MICROCNX™ SERIES CONNECTORS.

Experience a smaller, smarter, faster, and easier way to make sterile connections.

VISIT ENDOFTHEWELD.COM.

NOMINAL FLOW PATH (NFP) SIZE

NFP	Cv VALUE
1/8”	0.27

NFP	Cv VALUE
3/32”	0.14

NFP	Cv VALUE
1/16”	0.04

MICROCNX™ SERIES CONNECTORS

MicroCNX™ Connectors introduce a new category of aseptic micro-connectors that provide a simple, efficient method of connecting tubing for small-format biomanufacturing assemblies. MicroCNX connectors are the modern alternative to the cumbersome, industrial process of tube welding. Building on the inventiveness of CPC, the leader in single-use connection technology, the MicroCNX line of connectors is engineered specifically for the challenging conditions of biologic media transfer in bioprocessing, cell therapy and gene therapy applications.

SPECIFICATIONS

OPERATING PRESSURE
Up to 60 psi, 4.1 bar
Up to 75 psi, 5.1 bar for 48 hours

OPERATING TEMPERATURE
34°F to 104°F (1°C to 40°C)

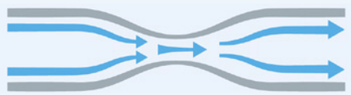
TERMINATIONS
1/16", 3/32" 1/8" ID hose barb (1.6mm, 2.4mm, 3.2mm)

MATERIALS
Main Components: Polycarbonate (white), USP Class VI, ADCF
Seals: Silicone (clear), platinum-cured, USP Class VI, ADCF
Protective Cover: Polypropylene (teal), USP Class VI, ADCF
Membrane: Hydrophobic Polyethersulfone, USP Class VI

STERILIZATION
Gamma: Up to 50kGy irradiation.
Autoclave: One cycle up to 266°F (130°C) for 60 minutes

FEATURES	BENEFITS
PINCH-CLICK-PULL	Intuitive three-step connection process reduces risk of operator error
Easy to use	Lowers risk of operator error and related performance, reliability and safety concerns
Genderless	Eases single-use systems specifications with one part number for both halves
CPC Click	Audible confirmation of assembly with no additional hardware required

TYPICAL FLOW RATE
Cv Value Range: 0.04-0.27
for MicroCNX hose barb terminations



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

Caution: *CPC does not recommend the use of PVC tubing with the polycarbonate MicroCNX™ Series Connectors. Leachables from PVC tubing could be incompatible with polycarbonate material and affect product performance. Determining product application suitability is solely the customer's responsibility. CPC does not guaranty or warrant product suitability for any application or use.*

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/MicroCNX

DID YOU KNOW
MicroCNX connectors eliminate the need to purchase, calibrate, validate, maintain, and allocate clean room space for tube welding equipment.

Scan code to visit webpage

SCAN

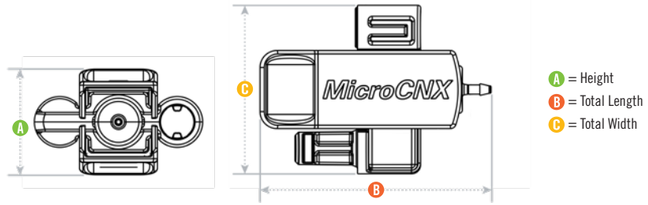
cpcworldwide.com/MicroCNX

MICROCNX™ SERIES DIMENSIONS AND WEIGHTS

POLYCARBONATE with teal cover *For autoclave or gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C	PART WEIGHT
1/8" HOSE BARB	3.2 mm	CNX17002HT	0.93" (23.6 mm)	2.25" (57.2 mm)	1.49" (37.8 mm)	0.27 oz (7.64 g)
3/32" HOSE BARB	2.4 mm	CNX17003HT	0.93" (23.6 mm)	2.16" (54.9 mm)	1.49" (37.8 mm)	0.27 oz (7.62 g)
1/16" HOSE BARB	1.6 mm	CNX17001HT	0.93" (23.6 mm)	2.05" (52.1 mm)	1.49" (37.8 mm)	0.27 oz (7.60 g)

PRODUCT DIMENSIONS



A = Height
B = Total Length
C = Total Width

MICROCNX™ CONNECTORS ASSEMBLY PROCEDURE

PINCH

Remove the protective cover on each half.

CLICK

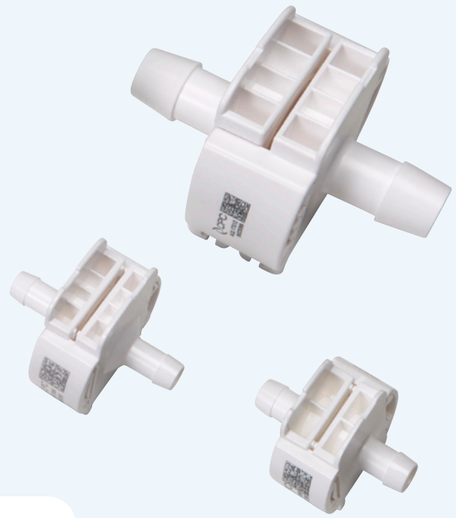
Join halves and click together.

PULL

Pull membrane strips directly away from the connector.

Caution: CPC does not recommend the use of PVC tubing with the polycarbonate MicroCNX™ Series Connectors. Leachables from PVC tubing could be incompatible with polycarbonate material and affect product performance. Determining product application suitability is solely the customer's responsibility. CPC does not guaranty or warrant product suitability for any application or use.

WHAT IS ASEPTIQUIK® STERILE TECHNOLOGY?

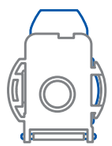


AseptiQuik® Connectors provide quick and easy sterile connections, even in non-sterile environments–a critical capability for biopharmaceutical manufacturers. Featuring a straightforward, simple three-step connection process and a wide range of termination options—including 1/8- to 1 1/2-inch sizes and genderless connections—the AseptiQuik series allows you to transfer media easily with less risk of error. Their robust, reliable performance eliminates the need for clamps, fixtures or tube welders, giving you sterile, high-quality single-use connections every time.

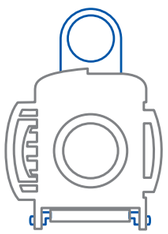
FEATURES	BENEFITS
Genderless design	Eases integration of single-use systems with universal mating between connectors of the same series
Rubust construction	Repeatable and reliable performance with no additional hardware required
FLIP-CLICK-PULL	Innovative three-step connection process reduces risk of operator error
Integrated pull tab covers	Pull tabs act as protective cover reducing part complexity and ensure simultaneous removal of both membranes
CPC Click	Audible confirmation of assembly

NOMINAL FLOW PATH (NFP) SIZE

	NFP	CV RANGE
AQS	(0.25")	0.19 – 1.74



	NFP	CV RANGE
AQG	(0.5")	1.5 – 30



	NFP	CV RANGE
AQG	(1")	30 – 57

Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the NFP.

ASEPTIQUIK CONNECTORS OPTIONS

	TERMINATIONS									MATERIALS			STERILIZATION (CHOOSE 1)		FLOW INFORMATION	
	HOSE BARB						SANITARY FLANGES									
	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1/4"	3/4"	1 1/2"	SILICONE SEAL	POLYCARBONATE	POLYPHENYLSULFONE	GAMMA COMPATIBLE	AUTOCLAVABLE	NOMINAL FLOW PATH	CV VALUE RANGE
ASEPTIQUIK® S SERIES	✓	✓	✓				✓	✓		✓	✓		✓	✓	1/4"	0.19 – 1.74
ASEPTIQUIK® G SERIES		✓	✓	✓	✓			✓	✓	✓	✓		✓	✓	1/2"	1.5 - 31
ASEPTIQUIK® G PPSU SERIES		✓	✓	✓	✓			✓		✓		✓	✓		1/2"	1.5 - 31
ASEPTIQUIK® L SERIES					✓	✓			✓	✓	✓		✓	✓	1"	30-57

ASEPTIQUIK CONNECTORS ASSEMBLY PROCEDURE

FLIP

Unsnap and flip down the protective pull tab covers on each AseptiQuik connector half.

CLICK

Align the AseptiQuik connector halves with the pull tabs hanging down. Then, slide the two halves together, while independently squeezing each side until you hear an audible “CPC Click”.

PULL

To complete the connection, simply snap the pull tabs together by pushing on the CPC logos and pull the membranes from the AseptiQuik connector halves.

Scan code to watch AseptiQuick assembly video

SCAN

https://youtu.be/un2PnvUAZ0w

ASEPTIQUIK® S
SERIES CONNECTORS

AseptiQuik® S Connectors provide quick and easy sterile connections for small-flow applications, even in non-sterile environments. The "FLIP-CLICK-PULL" design of AseptiQuik S enables users to easily transfer small volumes of media with less risk of operator error than with traditional methods. The connector's genderless and robust design provides reliable performance without the need for clamps, fixtures or tube welders. Biopharmaceutical manufacturers can now make 1/8", 1/4" and 3/8" hose barb and 1/4" and 3/4" sanitary sterile connections with the quality and market availability they expect from the leader in single-use connection technology.

SPECIFICATIONS

OPERATING PRESSURE
Up to 60 psi, 4.1 bar

OPERATING TEMPERATURE
39°F to 104°F (4°C to 40°C)

STERILIZATION
Gamma: Up to 50kGy irradiation
(or)
AutoClave High Temp (HT) Version:
Up to 266°F (130°C) for 60 minutes

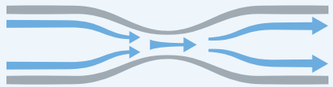
TERMINATIONS
1/8", 1/4" and 3/8" ID hose barb (3.2mm, 6.4mm and 9.5mm), 1/4" and 3/4" sanitary and MPC insert

MATERIALS
Main Components:
Polycarbonate (white)
Pull Tabs/Caps:
Polycarbonate (blue, standard version)
Polycarbonate (white, HT version)
Seals:
Silicone (clear), platinum-cured
Membrane:
Polyethylene (standard version)
Hydrophobic polyethersulfone (HT version),
PTFE strip sticker

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
Genderless →	Eases single-use systems specifications with one-part number for both halves
FLIP-CLICK-PULL →	Intuitive three-step connection process reduces risk of operator error
CPC Click →	Audible confirmation of connection with no additional hardware required
AQS-MPC Combination →	Enables the ability to change a BPC or other single-use system with open format connections to closed systems
AQS ¼" Sani with Smooth Bore →	Minimizes transitional flow disruptions throughout upstream processing

TYPICAL FLOW RATE:
Cv Value Range: 0.19 - 1.74
for AseptiQuik S



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

Scan code to visit webpage

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cpcworldwide.com/AseptiQuik-S

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/AseptiQuik-S

DID YOU KNOW
Did you know that the AseptiQuik S is perfect for simplifying the process to pull flask samples from your bioreactor?

ASEPTIQUIK S SERIES DIMENSIONS

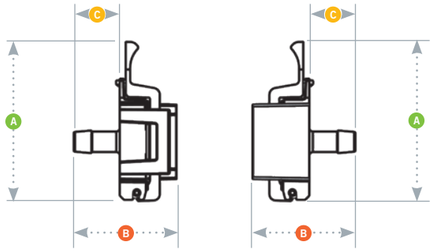
POLYCARBONATE with blue pull tabs - *For gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/8" HOSE BARB	3.2 mm	AQS17002	2.25" (57.2 mm)	1.30" (33.0 mm)	0.50" (12.7 mm)
1/4" HOSE BARB	6.4 mm	AQS17004	2.25" (57.2 mm)	1.45" (36.8 mm)	0.65" (16.5 mm)
1/4" SANITARY	6.4 mm	AQS33004	2.25" (57.2 mm)	1.50" (38.1 mm)	0.70" (17.8 mm)
3/8" HOSE BARB	9.5 mm	AQS17006	2.25" (57.2 mm)	1.45" (36.8 mm)	0.65" (16.5 mm)
3/4" SANITARY	19.1 mm	AQS33012	2.25" (57.2 mm)	1.60" (40.6 mm)	0.80" (20.3 mm)
MPC INSERT		AQS17MPC	2.25" (57.2 mm)	1.49" (37.9 mm)	0.69" (17.5 mm)

POLYCARBONATE HT with white pull tabs - *For autoclave or gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/8" HOSE BARB	3.2 mm	AQS17002HT	2.25" (57.2 mm)	1.30" (33.0 mm)	0.50" (12.7 mm)
1/4" HOSE BARB	6.4 mm	AQS17004HT	2.25" (57.2 mm)	1.45" (36.8 mm)	0.65" (16.5 mm)
1/4" SANITARY	6.4 mm	AQS33004HT	2.25" (57.2 mm)	1.50" (38.1 mm)	0.70" (17.8 mm)
3/8" HOSE BARB	9.5 mm	AQS17006HT	2.25" (57.2 mm)	1.45" (36.8 mm)	0.65" (16.5 mm)
3/4" SANITARY	19.1 mm	AQS33012HT	2.25" (57.2 mm)	1.60" (40.6 mm)	0.80" (20.3 mm)
MPC INSERT		AQS17MPCHT	2.25" (57.2 mm)	1.49" (37.9 mm)	0.69" (17.5 mm)

PRODUCT DIMENSIONS



A = Height/Diameter
B = Total Length
C = Hose Barb Length

NOTES

ASEPTIQUIK® G
SERIES CONNECTORS

AseptiQuik® G Connectors enable quick and easy sterile connections, even in non-sterile environments. The easy-to-use genderless design simplifies system integration and minimizes the risk of operator error. The connectors' robust construction provides enhanced user confidence and reliable performance without the need for clamps, fixtures or tube welders. Biopharmaceutical manufacturers benefit from a full range of interchangeable 1/4" to 1-1/2" termination solutions with the quality and market availability they expect from the leader in single-use connection technology.

SPECIFICATIONS

OPERATING PRESSURE
Up to 60 psi, 4.1 bar
Up to 75 psi, 5.1 bar for 48 hours

OPERATING TEMPERATURE
34°F to 104°F (1°C to 40°C)

STERILIZATION
Standard (blue) and PPSU (purple) Version:
Gamma: up to 50kGy
High Temperature (white) Version:
Gamma: up to 50kGy
(or)
Autoclave:
One cycle up to 266°F (130°C) for 60 minutes

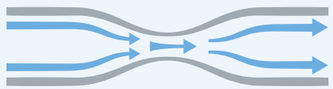
TERMINATIONS
1/4", 3/8", 1/2", 3/4" ID hose barb (6.4mm, 9.5mm, 12.7mm, 19.0mm) and 3/4", 1-1/2" sanitary

MATERIALS
Main Components:
Polycarbonate (white), (standard and HT versions)
Polyphenylsulfone (off white) (PPSU version)
Pull Tabs/Caps:
Polycarbonate (blue, standard), (white, HT version), (purple, PPSU version)
Seals:
Silicone (clear), platinum-cured
Membranes:
Polyethylene (standard and PPSU versions), Hydrophobic polyethersulfone (HT version), PTFE strip sticker

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
Genderless	Eases single-use systems specifications with one-part number for both halves
FLIP-CLICK-PULL	Intuitive three-step connection process reduces risk of operator error
CPC Click	Audible confirmation of connection with no additional hardware required
Chemical Compatibility and pH Range	AseptiQuik PPSU enables genderless connection for a greater range of chemical applications, offering versatile connections across downstream processes with a pH range from 2 to 12
BPA-free	AseptiQuik PPSU meets a broader range of Application Requirements

TYPICAL FLOW RATE:
Cv Value Range: 1.5 - 31
for AseptiQuik G



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

Scan code to visit webpage

SCAN

cpcworldwide.com/AseptiQuik-G

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/AseptiQuik-G

DID YOU KNOW
Did you know that the AseptiQuik G is perfect for connecting different buffers to your chromatography skid?

ASEPTIQUIK G SERIES DIMENSIONS

POLYCARBONATE with blue pull tabs - *For gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/4" HOSE BARB	6.4 mm	AQG17004	2.62" (66.6 mm)	1.62" (41.2 mm)	0.82" (20.8 mm)
3/8" HOSE BARB	9.5 mm	AQG17006	2.62" (66.6 mm)	1.62" (41.2 mm)	0.82" (20.8 mm)
1/2" HOSE BARB	12.7 mm	AQG17008	2.62" (66.6 mm)	1.95" (49.5 mm)	1.15" (29.2 mm)
3/4" HOSE BARB	19.1 mm	AQG17012	2.62" (66.6 mm)	2.36" (59.9 mm)	1.56" (39.6 mm)
3/4" SANITARY	19.1 mm	AQG33012	2.62" (66.6 mm)	1.66" (42.2 mm)	0.86" (21.8 mm)
1-1/2" SANITARY	38.1 mm	AQG33024	2.62" (66.6 mm)	2.86" (72.6 mm)	2.02" (51.3 mm)

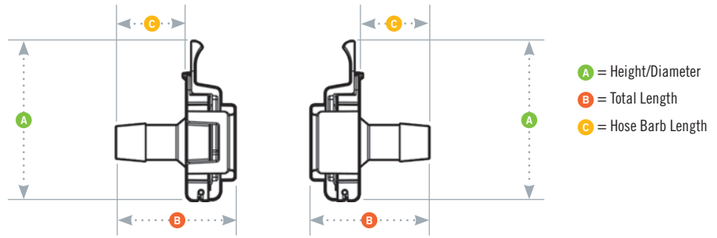
POLYCARBONATE HT with white pull tabs - *For autoclave or gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/4" HOSE BARB	6.5 mm	AQG17004HT	2.62" (66.6 mm)	1.62" (41.2 mm)	0.82" (20.8 mm)
3/8" HOSE BARB	9.5 mm	AQG17006HT	2.62" (66.6 mm)	1.62" (41.2 mm)	0.82" (20.8 mm)
1/2" HOSE BARB	12.7 mm	AQG17008HT	2.62" (66.6 mm)	1.95" (49.5 mm)	1.15" (29.2 mm)
3/4" HOSE BARB	19.1 mm	AQG17012HT	2.62" (66.6 mm)	2.36" (59.9 mm)	1.56" (39.6 mm)
3/4" SANITARY	19.1 mm	AQG33012HT	2.62" (66.6 mm)	1.66" (42.2 mm)	0.86" (21.8 mm)
1-1/2" SANITARY	38.1 mm	AQG33024HT	2.62" (66.6 mm)	2.86" (72.6 mm)	2.02" (51.3 mm)

POLYPHENYLSULFONE with purple pull tabs - *For gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/4" HOSE BARB	6.4 mm	AQG17104	2.62" (66.6 mm)	1.62" (41.2 mm)	0.82" (20.8 mm)
3/8" HOSE BARB	9.5 mm	AQG17106	2.62" (66.6 mm)	1.62" (41.2 mm)	0.82" (20.8 mm)
1/2" HOSE BARB	12.7 mm	AQG17108	2.62" (66.6 mm)	1.95" (49.5 mm)	1.15" (29.2 mm)
3/4" HOSE BARB	19.1 mm	AQG17112	2.62" (66.6 mm)	2.36" (59.9 mm)	1.56" (39.6 mm)
3/4" SANITARY	19.1 mm	AQG33112	2.62" (66.6 mm)	1.66" (42.2 mm)	0.86" (21.8 mm)

PRODUCT DIMENSIONS



ASEPTIQUIK® L
SERIES CONNECTORS

AseptiQuik® L Connectors enable quick and easy sterile connections, in large-volume, high-flow production environments. The large-format, 3/4", 1" hose barb and 1-1/2" sanitary genderless design simplifies system integration and minimizes the risk of operator error. The connectors' robust construction provides reliable performance without the need for clamps, fixtures or tube welders. Biopharmaceutical manufacturers benefit from the interchangeable connection sanitary flow solutions for full-scale bioprocessing production environments with the quality and market availability they expect from the leader in single-use connection technology.

SPECIFICATIONS

OPERATING PRESSURE
Up to 60 psi, 4.1 bar
Up to 75 psi, 5.1 bar for 48 hours

OPERATING TEMPERATURE
34°F to 104°F (1°C to 40°C)

STERILIZATION
Gamma: Up to 50kGy irradiation
(or)
Autoclave High Temp (HT) Version:
Up to 266°F (130°C) for 60 minutes

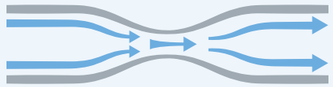
TERMINATIONS
3/4", 1" ID hose barb (19.0 mm, 25.4 mm) and 1-1/2" sanitary

MATERIALS
Main Components:
Polycarbonate (white)
Pull Tabs/Caps:
Polycarbonate (blue, standard version)
Polycarbonate (white, HT version)
Seals:
Silicone (clear), platinum-cured
Membranes:
Polyethylene (standard version)
Hydrophobic polyethersulfone (HT version), PTFE strip sticker

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
Genderless	Eases single-use systems specifications with one-part number for both halves
FLIP-CLICK-PULL	Intuitive three-step connection process reduces risk of operator error
CPC Click	Audible confirmation of connection with no additional hardware required
Large Internal Diameter	Fast and efficient fluid transfer of large volumes under low pressures

TYPICAL FLOW RATE:
Cv Value Range: 30 - 57
for AseptiQuik L



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

Scan code to visit webpage

SCAN

cpcworldwide.com/AseptiQuik-L

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/AseptiQuik-L

DID YOU KNOW
Did you know that the AseptiQuik L is perfect for connecting TFF, TFDF, and ATF and other filtration processes that require large flow volumes?

ASEPTIQUIK L SERIES DIMENSIONS

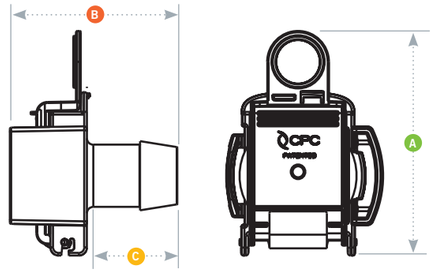
Polycarbonate with blue pull tabs - *For gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
3/4" HOSE BARB	6.4 mm	AQL17012	4.22" (107.2 mm)	2.95" (74.9 mm)	1.50" (38.1 mm)
1" HOSE BARB	25.4 mm	AQL17016	4.22" (107.2 mm)	3.15" (80.0 mm)	1.70" (43.2 mm)
1-1/2" SANITARY	38.1 mm	AQL33024	4.22" (107.2 mm)	3.40" (86.4 mm)	1.95" (49.5 mm)

Polycarbonate HT with white pull tabs - *For autoclave or gamma irradiation applications.*

TERMINATION	METRIC EQ.	PART NO.	A	B	C
3/4" HOSE BARB	6.4 mm	AQL17012HT	4.22" (107.2 mm)	2.95" (74.9 mm)	1.50" (38.1 mm)
1" HOSE BARB	25.4 mm	AQL17016HT	4.22" (107.2 mm)	3.15" (80.0 mm)	1.70" (43.2 mm)
1-1/2" SANITARY	38.1 mm	AQL33024HT	4.22" (107.2 mm)	3.40" (86.4 mm)	1.95" (49.5 mm)

PRODUCT DIMENSIONS



A = Height/Diameter
B = Total Length
C = Hose Barb Length

https://www.cpcworldwide.com/Blog/post/how-to-choose-sterile-connectors

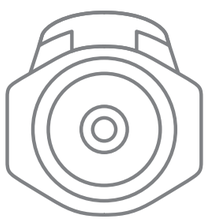
STERILE DISCONNECTION TECHNOLOGY

WHAT IS STERILE DISCONNECTION TECHNOLOGY?

CPC's sterile disconnection technology enables simple, quick sterile disconnection of your single-use systems with just the press of a thumb latch. Internal valves within the sterile disconnect technology close and seal upon disconnect, protecting the closed system fluid pathway on each side of the disconnected system. The HFC Disconnect product line enables sterile disconnections from tubing ¼" to ½" ID and connected sets feature a protective thumb latch to prevent accidental disconnections.

FEATURES	BENEFITS
Intuitive one-step disconnection process	No requirement for additional equipment to make sterile disconnection Minimize operator error and ease standard operating procedure creation and training
Automatic shutoff valves	Stop flow upon disconnect
Protective thumb latch cover	Eliminate accidental disconnects
Laser marked item number and lot number	Full traceability to raw material source
Alloy C-276 internal flow path spring	Enable broader application compatibility

NOMINAL FLOW PATH (NFP) SIZE



	NFP	CV RANGE
HFC	(0.375")	0.3 - 2.5

Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the NFP.

HFC DISCONNECT OPTIONS

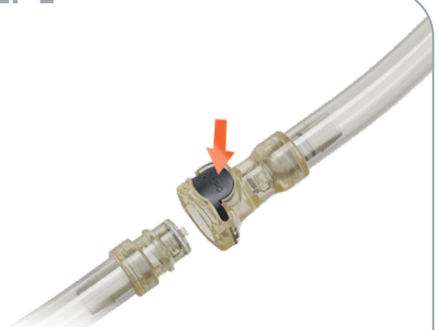
	TERMINATIONS			MATERIALS		PRODUCT FEATURE	STERILIZATION (CHOOSE 1)		FLOW INFORMATION	
	HOSE BARB									
	1/4"	3/8"	1/2"	SILICONE SEAL	POLYSULFONE	PROTECTIVE THUMB LATCH COVER	GAMMA COMPATIBLE	AUTOCLAVABLE	NOMINAL FLOW PATH	CV VALUE RANGE
CONNECTED SET	✓	✓	✓	✓	✓	✓	✓	✓	3/8"	0.3 – 2.5
UNCONNECTED HALVES	✓	✓	✓	✓	✓		✓	✓	3/8"	0.3 – 2.5

HFC DISCONNECT PROCEDURE

STEP 1

Remove the protective thumb latch cover.

STEP 2



Press the thumb latch to disconnect.

If desired, install cap/plug to disconnected halves.

HFC DISCONNECT
SERIES CONNECTORS

HFC Disconnects enable sterile disconnection of single-use biopharma and cell and gene therapy manufacturing systems. With an easy push of the connector thumb latch, sterility is maintained on both sides of the system during the disconnection process. The HFC Disconnect sets include protective thumb latch covers to help reduce the chance of accidental disconnection, and are laser marked with item and lot number for complete batch traceability.

SPECIFICATIONS

OPERATING PRESSURE
Up to 75 psi, 5.17 bar

OPERATING TEMPERATURE
34° F to 104° F (1° C to 40°C)

STERILIZATION
(or) **Gamma:** Up to 50 kGy irradiation
Autoclave: Up to 270°F (132°C), 60 minutes, one cycle

TERMINATIONS
1/4", 3/8" and 1/2" ID hose barb (6.4mm, 9.5mm and 12.7mm)

MATERIALS
Main components:
Polysulfone (amber tint)
O-rings: Silicone (clear), platinum-cured
Flow Path Springs: Alloy C-276

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

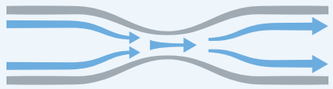
Scan code to visit webpage

SCAN

cpcworldwide.com/HFC-Disconnect

FEATURES	BENEFITS
Intuitive one-step disconnection process	No requirement for additional equipment to make sterile disconnection
Automatic shutoff valves	Stop flow and eliminate need for pinch clamps
Protective thumb latch cover	Guard against accidental disconnects
Laser etched item number and lot number	Full traceability to raw material source
Alloy C-276 internal flow path spring	Enabling broader application compatibility

TYPICAL FLOW RATE:
Cv Value Range: 0.3 - 2.5 for HFC Disconnect



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/HFC-Disconnect

DID YOU KNOW
The HFC Disconnect is great for post-use filter integrity testing (e.g. bubble point testing).

HFC DISCONNECT SERIES DIMENSIONS

COUPLING SETS - Polysulfone

TERMINATION	METRIC EQ.	PART NO.	A	B
1/4" HOSE BARB	6.4 mm ID	HFCD39SET4HC	1.53" (38.8 mm)	3.71" (94.3 mm)
3/8" HOSE BARB	9.5 mm ID	HFCD39SET6HC	1.53" (38.8 mm)	3.71" (94.3 mm)
1/2" HOSE BARB	12.5 mm ID	HFCD39SET8HC	1.53" (38.8 mm)	4.29" (109 mm)

COUPLING BODIES - Polysulfone

TERMINATION	METRIC EQ.	PART NO.	A	B
1/4" HOSE BARB	6.4 mm ID	HFCD17439MHC	1.44" (36.6 mm)	2.82" (71.6 mm)
3/8" HOSE BARB	9.5 mm ID	HFCD17639MHC	1.44" (36.6 mm)	2.82" (71.6 mm)
1/2" HOSE BARB	12.5 mm ID	HFCD17839MHC	1.44" (36.6 mm)	2.82" (71.6 mm)

COUPLING INSERTS - Polysulfone

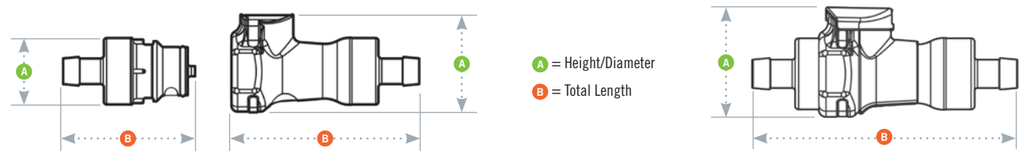
TERMINATION	METRIC EQ.	PART NO.	A	B
1/4" HOSE BARB	6.4 mm ID	HFCD22439MHC	1.00" (25.4 mm)	2.02" (51.3 mm)
3/8" HOSE BARB	9.5 mm ID	HFCD22639MHC	1.00" (25.4 mm)	2.02" (51.3 mm)
1/2" HOSE BARB	12.5 mm ID	HFCD22839MHC	1.00" (25.4 mm)	2.02" (51.3 mm)

MATING PARTS

PART	PART NO.	A	B
SEALING CAP	HFC32039	1.44" (36.6 mm)	2.73" (69.3 mm)
SEALING PLUG	HFC30039M	1.00" (25.4 mm)	1.81" (46.0 mm)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.

PRODUCT DIMENSIONS



OPEN FORMAT CONNECTION TECHNOLOGY

WHAT IS OPEN FORMAT CONNECTION TECHNOLOGY?

CPC's open format connectors (also known as quick connectors or quick disconnectors) are a straightforward and simple way to incorporate media transfer technology between your single-use systems. Our open format products feature male and female connector halves with caps and plugs to seal off the fluid pathway of the single-use system. Simply removing the cap and plug from each half of the system and joining the male and female connection links the fluid pathways of your two separate systems.

CPC's open format products—the MPC Series, MPX Series, and MPU Series Connectors—enable connections from 1/8" ID tubing to 1" ID tubing. In addition, the MPC and MPX connectors feature an ergonomic thumb latch and optional locking sleeve to prevent accidental disconnection.

Sanitary adapters within the MPC and MPX product lines facilitate integration of components into single-use or hybrid (single-use to stainless) process systems.

Back-to-back adapters within the MPC and MPX product lines can be used to connect two identical body components or insert components. For additional flexibility, reducer options enable connection between an MPC and MPX product to link 1/8" to 1/2" ID tubing.

FEATURES	BENEFITS
Ergonomic thumb latch	Easy to operate – even with gloved hands
Parting line-free hose barb	Creates seamless connection to tubing
Optional locking sleeve (MPC, MPX)	Prevents accidental disconnection
Mix and match termination sizes	Enables flexibility in your application

NOMINAL FLOW PATH (NFP) SIZE

	NFP	CV RANGE
MPC	(0.375")	0.1 – 8.0
BACK-TO-BACK BODIES & INSERTS	(0.375" – 0.5")	2.0 – 6.0

	NFP	CV RANGE
MPX	(0.5")	4.0 – 17
BACK-TO-BACK BODIES & INSERTS	(0.375" – 0.5")	23 – 32

	NFP	CV RANGE
MPU	(1")	18 – 41

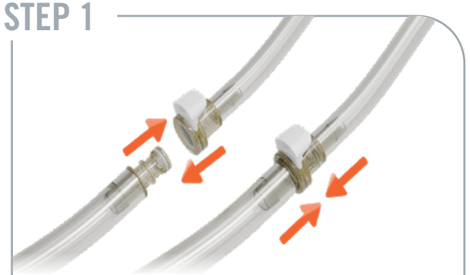
Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the NFP.

OPEN FORMAT CONNECTION OPTIONS

	TERMINATIONS: HOSE BARB 1/8"	1/4"	3/8"	1/2"	3/4"	1"	TERMINATIONS: SANITARY 3/4"	1-1/2" SANITARY	PRODUCT FEATURES: OPTIONAL LOCKING SLEEVE	FLOW-PATH MATERIALS: SILICONE SEAL	POLYCARBONATE	POLYSULFONE	STERILIZATION (CHOOSE 1): GAMMA COMPATIBLE	AUTOCLAVEABLE	FLOW INFORMATION: NOMINAL FLOW PATH	CV VALUE RANGE
MPC	✓	✓	✓						✓	✓	✓	✓	✓	✓	1/4"	0.1 – 8.0
MPC SANITARY							✓	✓		✓		✓	✓	✓	1/4"	0.1 – 8.0
MPC BACK-TO-BACK BODIES											✓	✓	✓	✓	1/4" - 1/2"	2.0 – 6.0
MPC BACK-TO-BACK INSERTS										✓		✓	✓	✓	1/4" - 1/2"	2.0 – 6.0
MPX			✓	✓					✓	✓	✓	✓	✓	✓	1/2"	4.0 – 17
MPX SANITARY							✓	✓		✓		✓	✓	✓	1/2"	4.0 – 17
MPX BACK-TO-BACK BODIES											✓	✓	✓	✓	1/4" - 1/2"	23 – 32
MPX BACK-TO-BACK INSERTS										✓		✓	✓	✓	1/4" - 1/2"	23 – 32
MPU					✓	✓				✓		✓	✓	✓	1"	18 – 41

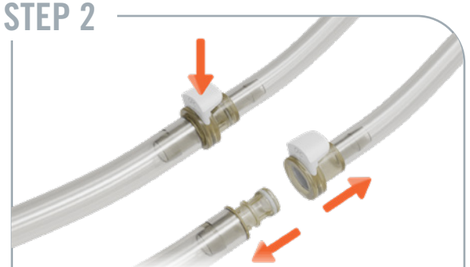
MPC/MPX ASSEMBLY PROCEDURE

STEP 1



To connect two MPC or two MPX components, press the body (or cap) and insert (or plug) components together.

STEP 2



To disconnect two MPC or two MPX components, depress the thumb latch and separate the two components from one another.

NOTE: If using a body or cap component with a locking sleeve, twist to the "locked" position after connecting the two halves to prevent accidental disconnection. When you are ready to disconnect once again, twist the locking sleeve to the "unlocked" position.

MPC
SERIES CONNECTORS

MPC Series Connecters add ease of use and security to critical fluid handling applications. Choose from a full line of connectors and configurations, including pressure sealing caps and plugs, in sizes to fit 1/8" to 3/8" tubing. MPC couplings offer optional locking sleeves to further guard against accidental disconnects. In addition, coupling halves can be rotated when connected to reduce tube kinks.

SPECIFICATIONS

OPERATING PRESSURE
Vacuum to 60 psi, 4.1 bar

OPERATING TEMPERATURE
Polycarbonate:
-40°F to 250°F (-40°C to 121°C)
Polysulfone:
-40°F to 300°F (-40°C to 149°C)

STERILIZATION
Gamma: Up to 50 kGy irradiation
(or)
Autoclave:
Polycarbonate: Up to 250°F (121°C), 30 minutes, up to 10 repetitions
Sterilize uncoupled only
Polysulfone: Up to 270°F (132°C), 60 minutes, up to 25 repetitions
Sterilize uncoupled only

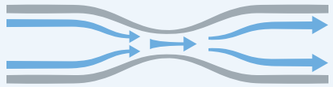
TERMINATIONS
1/8" to 3/8" ID (3.2mm to 9.5mm)

MATERIALS
Main components:
Polycarbonate (purple tint)
Polysulfone (amber tint)
Locking sleeves:
Polysulfone (white)
Thumb Latches:
Polycarbonate (white)
PVDF (white)
O-rings:
Silicone (clear), platinum-cured

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
Ergonomic thumb latch	Easy to operate – even with gloved hands
Parting line-free hose barb	Prevent potential leak path
Optional locking sleeve	Prevents accidental disconnection
Various options on termination size and material	Better flexibility to fit more applications

TYPICAL FLOW RATE:
Cv Value Range: 0.1 - 8
for MPC hose barb terminations



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/MPC

DID YOU KNOW
The MPC and MPX connectors are perfect for smaller bag systems for aliquoted media or other product stored in bags.

Scan code to visit webpage

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cpcworldwide.com/MPC

MPC SERIES DIMENSIONS

COUPLING BODIES

TERMINATION	METRIC EQ.	POLYCARBONATE PART NO.	POLYSULFONE PART NO.	A	B
1/8" HOSE BARB	3.2 mm ID	MPC17002T03	MPC17002T39	0.96" (24.4 mm)	1.10" (27.9 mm)
1/4" HOSE BARB	6.4 mm ID	MPC17004T03	MPC17004T39	0.96" (24.4 mm)	1.30" (33.0 mm)
3/8" HOSE BARB	9.5 mm ID	MPC17006T03	MPC17006T39	0.96" (24.4 mm)	1.30" (33.0 mm)
1/8" HOSE BARB W/ LOCK	3.2 mm ID	MPCK17002T03	MPCK17002T39	1.02" (25.9 mm)	1.10" (27.9 mm)
1/4" HOSE BARB W/ LOCK	6.4 mm ID	MPCK17004T03	MPCK17004T39	1.02" (25.9 mm)	1.30" (33.0 mm)
3/8" HOSE BARB W/ LOCK	9.5 mm ID	MPCK17006T03	MPCK17006T39	1.02" (25.9 mm)	1.30" (33.0 mm)

COUPLING INSERTS

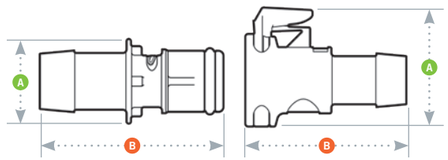
TERMINATION	METRIC EQ.	POLYCARBONATE PART NO.	POLYSULFONE PART NO.	A	B
1/8" HOSE BARB	3.2 mm ID	MPC22002T03M	MPC22002T39M	0.60" (15.2 mm)	1.09" (27.7mm)
1/4" HOSE BARB	6.4 mm ID	MPC22004T03M	MPC22004T39M	0.60" (15.2 mm)	1.30" (33.0 mm)
3/8" HOSE BARB	9.5 mm ID	MPC22006T03M	MPC22006T39M	0.60" (15.2 mm)	1.30" (33.0 mm)

SEALING COMPONENTS

SEALING CAP	W/LOCK	MATERIAL	A	B
MPC32003	MPCK32003	Polycarbonate	0.96" (24.4 mm)	1.30" (33.0 mm)
MPC32039	MPCK32039	Polysulfone	0.99" (25.2 mm)	1.30" (33.0 mm)

SEALING PLUG	MATERIAL	A	B
MPC30003M	Polycarbonate	0.75" (19.1 mm)	1.24" (31.5 mm)
MPC30039M	Polysulfone	0.75" (19.1 mm)	1.24" (31.5 mm)

PRODUCT DIMENSIONS



A = Height/Diameter B = Total Length

MPX
SERIES CONNECTORS

MPX Series Connectors add ease of use and security to your media transfer applications. Choose from a full line of connectors and configurations, including pressure sealing caps and plugs in sizes to fit 3/8" and 1/2" tubing. MPX couplings offer optional locking sleeves to further guard against accidental disconnects. In addition, coupling halves can be rotated when connected reducing tube kinks.

SPECIFICATIONS

OPERATING PRESSURE
Vacuum to 60 psi, 4.1 bar

OPERATING TEMPERATURE
Polycarbonate:
-40°F to 250°F (-40°C to 121°C)
Polysulfone:
-40°F to 300°F (-40°C to 149°C)

STERILIZATION
Gamma: Up to 50 kGy irradiation
(or)
Autoclave:
Polycarbonate: Up to 250°F (121°C), 30 minutes, up to 10 repetitions
Sterilize uncoupled only
Polysulfone: Up to 270°F (132°C), 60 minutes, up to 25 repetitions
Sterilize uncoupled only

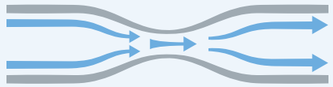
TERMINATIONS
3/8" to 1/2" ID (9.5mm to 12.7mm)

MATERIALS
Main components:
Polycarbonate (purple tint)
Polysulfone (amber tint)
Locking sleeves:
PVDF (white)
Thumb Latches:
Polycarbonate (white)
PVDF (white)
O-rings:
Silicone (clear), platinum-cured

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
Ergonomic thumb latch	Easy to operate – even with gloved hands
Parting line-free hose barb	Prevents potential leak path
Optional locking sleeve	Prevents accidental disconnection
Mix and match termination sizes	Enables flexiblity in your system and/or application

TYPICAL FLOW RATE:
Cv Value Range: 4 - 17 for MPX



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/MPX

DID YOU KNOW
The MPC and MPX connectors are perfect for smaller bag systems for aliquoted media or other product stored in bags.

Scan code to visit webpage

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cpcworldwide.com/MPX

MPX SERIES DIMENSIONS

COUPLING BODIES

TERMINATION	METRIC EQ.	FLOW	POLYCARBONATE PART NO.	POLYSULFONE PART NO.	A	B
1/2" ID HOSE BARB	12.7 mm ID	.50"	MPX17803	MPX17839	1.28" (32.5 mm)	1.96" (49.8 mm)
1/2" ID HOSE BARB W/ LOCK	12.7 mm ID	.50"	MPXK17803	MPXK17839	1.28" (32.5 mm)	1.96" (49.8 mm)

COUPLING INSERTS

TERMINATION	METRIC EQ.	FLOW	POLYCARBONATE PART NO.	POLYSULFONE PART NO.	A	B
3/8" HOSE BARB	9.5 mm ID	.38"	MPX22603M	MPX22639M	0.85" (21.6 mm)	1.90" (48.3 mm)
1/2" HOSE BARB	12.7 mm ID	.50"	MPX22803M	MPX22839M	0.85" (21.6 mm)	1.90" (48.3 mm)

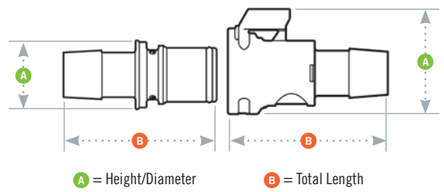
SEALING COMPONENTS

SEALING CAP	W/LOCK	MATERIAL	A	B
MPX32003	MPXK32003	Polycarbonate	1.28" (32.5 mm)	1.67" (42.4 mm)
MPX32039	MPXK32039	Polysulfone	1.28" (32.5 mm)	1.67" (42.4 mm)

SEALING PLUG	MATERIAL	A	B
MPX30003M	Polycarbonate	1.10" (27.9 mm)	1.66" (42.2 mm)
MPX30039M	Polysulfone	1.10" (27.9 mm)	1.66" (42.2 mm)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

PRODUCT DIMENSIONS



A = Height/Diameter B = Total Length

MPC/MPX BACK-TO-BACK
SERIES ADAPTERS

MPC/MPX Back-to-Back Adapters give end users the flexibility of connecting single-use systems that feature identical coupling connections at the end of their tubing. Combining both MPC and MPX couplings provides a reducing option for users who need to transition between tubing diameters ranging from 1/8" to 1/2".

SPECIFICATIONS

OPERATING PRESSURE
Vacuum to 60 psi, 4.1 bar

OPERATING TEMPERATURE
Polycarbonate:
-40°F to 250°F (-40°C to 121°C)
Polysulfone:
-40°F to 300°F (-40°C to 149°C)

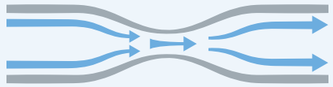
STERILIZATION
Gamma: Up to 50 kGy irradiation
(or)
Autoclave:
Polycarbonate: Up to 250°F (121°C), 30 minutes, up to 10 repetitions
Sterlize uncoupled only
Polysulfone: Up to 270°F (132°C), 60 minutes, up to 25 repetitions
Sterlize uncoupled only

MATERIALS
Main Components:
Polycarbonate (purple tint)
Polysulfone (amber tint)
Thumb Latches:
Polycarbonate (white)
PVDF (white)
O-rings:
Silicone (clear), platinum-cured

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
Compatible with MPC and MPX Series inserts	Easy conversion to industry standard connections or single-use systems
Tubing reduction option	Allows easy transition between multiple size tubing from 1/8" to 1/2" ID
Ergonomic thumb latches	Easy to operate – even with gloved hands

TYPICAL FLOW RATE:
Cv Value Range: 2 - 32
for Back-to-Back hose barb terminations



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

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cpcworldwide.com/Back-to-Back-Adapters

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/Back-to-Back-Adapters

DID YOU KNOW
The MPC and MPX connectors are perfect for smaller bag systems for aliquoted media or other product stored in bags.

MPC/MPX BACK-TO-BACK SERIES DIMENSIONS

MPC/MPX BACK-TO-BACK INSERT ADAPTERS - Polysulfone

PART NO.	TYPE	A	B
MPC22C2239M	MPC to MPC	0.74" (18.8)	2.04" (51.0)
MPC22X2239M	MPC to MPX	0.98" (25.0)	2.42" (61.5)
MPX22X2239M	MPX to MPX	0.98" (25.0)	2.73" (69.5)

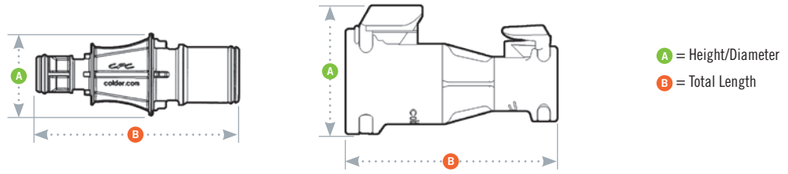
MPC/MPX BACK-TO-BACK BODY ADAPTERS - Polycarbonate

PART NO.	TYPE	A	B
MPC17C1703	MPC to MPC	0.96" (24.5)	1.81" (46.0)
MPX17X1703	MPX to MPX	1.28" (32.5)	2.44" (62.0)
MPC17X1703	MPC to MPX	1.28" (32.5)	2.13" (54.1)

MPC/MPX BACK-TO-BACK BODY ADAPTERS - Polysulfone

PART NO.	TYPE	A	B
MPC17C1739	MPC to MPC	0.96" (24.5)	1.81" (46.0)
MPX17X1739	MPX to MPX	1.28" (32.5)	2.44" (62.0)
MPC17X1739	MPC to MPX	1.28" (32.5)	2.13" (54.1)

PRODUCT DIMENSIONS



NOTES

MPC/MPX SANITARY
SERIES CONNECTORS

MPC/MPX Sanitary Connectors attach directly to 3/4", 1" and 1-1/2" sanitary terminations to provide greater flexibility for integrating components into single-use or hybrid (single-use to stainless) process systems. Standard bag systems with quick couplings can be easily connected to equipment with sanitary terminations, while single-use cartridge filters can be converted to incorporate quick couplings for greater system modularity.

SPECIFICATIONS

OPERATING PRESSURE:
Vacuum to 60 psi, 4.1 bar

OPERATING TEMPERATURE:
-40°F to 300°F (-40°C to 149°C)

STERILIZATION:
Gamma: Up to 50 kGy irradiation
(or)
Autoclave: Up to 270°F (132°C) for 60 minutes, up to 25 repetitions. Sterilize uncoupled only.

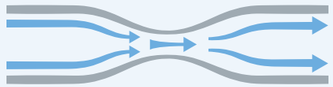
TERMINATIONS:
3/4", 1" and 1-1/2" sanitary

MATERIALS:
Main components:
Polysulfone (amber tint)
Thumb Latches:
PVDF (white)
O-rings: Silicone (clear), platinum-cured

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES	BENEFITS
3/4", 1" and 1-1/2" sanitary terminations	Install to equipment with sanitary gaskets and sanitary clamps
Compatible with MPC and MPX Series couplings	Quick and easy connections to industry standard plastic couplings
Integral coupling adapters	Provides flexibility to easily convert sanitary terminations on filter cartridge or equipment
ADCF-free materials	Meet BSE/TSE requirements

TYPICAL FLOW RATE:
Cv Value Range: 3 - 17



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE
Validation and Extractables data can be requested on at cpcworldwide.com/Sanitary

DID YOU KNOW
MPC and MPX Sanitary connectors provide greater flexibility for filter installation.

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cpcworldwide.com/Sanitary

MPC/MPX SANITARY SERIES DIMENSIONS

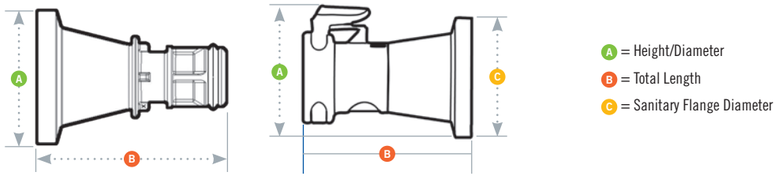
COUPLING BODIES - Polysulfone

PART NO.	SIZE	A	B	C
MPC3301239	3/4"	0.98" (24.9)	1.40" (35.6)	1.0" (25.4)
MPX3301239	3/4"	1.28" (32.5)	1.70" (43.2)	1.0" (25.4)
MPC3301639	1"	1.50" (38.1)	1.40" (35.6)	1.50" (38.1)

COUPLING INSERTS - Polysulfone

PART NO.	SIZE	A	B
MPC44012T39M	3/4"	0.98" (24.9)	1.40" (35.6)
MPC44024T39M	1-1/2"	1.98" (50.3)	1.40" (35.6)
MPX44012T39M	3/4"	0.98" (24.9)	1.71" (43.4)
MPX44024T39M	1-1/2"	1.98" (50.3)	1.71" (43.4)

PRODUCT DIMENSIONS



A = Height/Diameter
B = Total Length
C = Sanitary Flange Diameter

NOTES

MPU
SERIES CONNECTORS

MPU Connectors' twist-to-connect design features an easy-to-use locking mechanism that guards against accidental disconnects and provide a reliable, secure connection. The 3/4" and 1" hose barbs provide smooth, rapid media transfer.

SPECIFICATIONS

OPERATING PRESSURE
Vacuum to 35 psi, 2.4 bar

OPERATING TEMPERATURE
-40°F to 300°F (-40°C to 149°C)

STERILIZATION
Gamma: Up to 50 kGy irradiation
(or)
Autoclave: Up to 270°F (132°C), 60 minutes, up to 25 repetitions
Sterilize uncoupled only

TUBING SIZE
3/4" ID (19.0 mm), 1" ID (25.4 mm)

MATERIALS
Main components:
Polysulfone (amber tint)
O-rings:
Silicone (clear), platinum-cured

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

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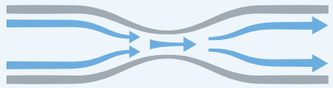
cpcworldwide.com/MPU

FEATURES	BENEFITS
3/4" and 1" hose barb	Facilitates rapid fill and empty of bioprocessing bags
Locking feature	Guards against accidental disconnects
Sharp barb end	Minimizes fluid turbulence and dead space
Shrouded, leak-free seal & smooth, internal flow path	Protect valuable fluids and eliminate potential to contaminate fluid path

TYPICAL FLOW RATE:
Cv Value Range: 18 - 41 for MPU



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/MPU

DID YOU KNOW
The MPU connectors are perfect for attaching to single-use mixers or single-use bioreactors when a large amount of media needs to be transferred.

MPU SERIES DIMENSIONS

COUPLING BODIES - Polysulfone

TERMINATION	METRIC EQ.	PART NO.	A	B
3/4" ID HOSE BARB	19.0 mm ID	MPU171239	1.75" (44.5 mm)	2.37" (60.2 mm)
1" ID HOSE BARB	25.4 mm ID	MPU171639	1.75" (44.5 mm)	2.37" (60.2 mm)

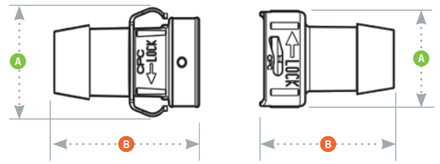
COUPLING INSERTS - Polysulfone

TERMINATION	METRIC EQ.	PART NO.	A	B
3/4" ID HOSE BARB	19.0 mm ID	MPU221239M	1.9" (48.3 mm)	2.88" (73.2 mm)
1" ID HOSE BARB	25.4 mm ID	MPU221639M	1.9" (48.3 mm)	2.88" (73.2 mm)

SEALING COMPONENTS - Polysulfone

SEALING CAP	MATERIAL	A	B
MPU32039	Polysulfone	1.75" (44.5mm)	.79" (20.1mm)
MPU30039M	Polysulfone	1.56" (39.6mm)	1.38" (35.1mm)

PRODUCT DIMENSIONS



MPU ASSEMBLY PROCEDURE

STEP 1

To connect two MPU components, line up and press the two raised features on the insert (or plug) component into the notches on the body (or cap) component, then twist the two components ¼ turn until the two products latch together.

STEP 2

To disconnect two MPU components, depress the two latches on the insert (or plug) component while twisting the two separate MPU components ¼ turn to separate.

STEAM-IN-PLACE (SIP) TECHNOLOGY

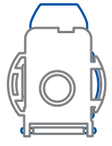
WHAT IS STEAM-IN-PLACE (SIP) TECHNOLOGY?

The innovative three port design of CPC's Steam-Thru® technology enables uncomplicated actuation between the SIP steam pathway and fluid transfer (flow) pathway. This provides an easy and sterile connection between flexible single-use tubing and stainless-steel processing equipment. The Steam-Thru product lines offer versatility within your process by having connection options for 3/8" and 1/2" ID tubing on the single-use side of the connector and 3/4" and 1-1/2" sanitary connections for attachment to the stainless-steel processing equipment.

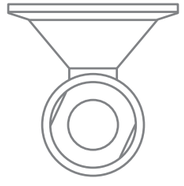
FEATURES	BENEFITS
Innovative three-port design	Allows for a true steam-through SIP process to eliminate dead legs and the need for laminar flow hoods
Intuitive valve design	Enables sterile connection/disconnection while permitting a high media flow rate
Steam-Thru II Thumb Latch	Secures valve position, provides visual indicator of process stage
3/4" and 1-1/2" Sanitary Terminations	Easily connects to process equipment
Additional features and benefits for the AseptiQuik Steam-Thru Combination:	
Genderless AseptiQuik	Eases single-use systems specifications with one part number for both halves
FLIP-CLICK-PULL	Intuitive three-step connection process reduces risk of operator error
CPC Click	Audible confirmation of assembly with no additional hardware required
Sanitary interface between the two connectors	More secure connection than tubing with cable ties

NOMINAL FLOW PATH (NFP) SIZE

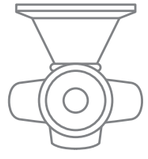
	NFP	CV RANGE
AQS STEAM-THRU II	(0.375")	1.0 - 2.0



	NFP	CV RANGE
AQG STEAM-THRU II	(0.5")	3.0 - 9.0



	NFP	CV RANGE
STEAM-THRU	(0.5")	4.0 - 7.0



	NFP	CV RANGE
STEAM-THRU II	(0.5")	3.0 - 9.0

Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the NFP.

STEAM-THRU CONNECTION OPTIONS

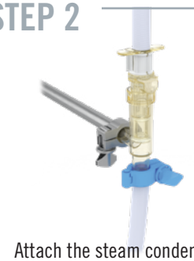
	SINGLE USE SYSTEM TERMINATIONS				EQUIPMENT PORT TERMINATION		CONDENSATE PORT TERMINATION	PRODUCT FEATURES			STERILIZATION OPTIONS (CHOOSE 1)		SIP	FLOW INFORMATION	
	HOSE BARB		ASEPTI-QUIK		SANITARY		SANITARY								
	3/8"	1/2"	AQS	AQG	3/4"	1-1/2"	3/4"	STEAM-ON	STEAM-OFF	THUMB-LATCH ACTUATION	GAMMA COMPATIBLE	AUTOCLAVEABLE		NOMINAL FLOW PATH	CV VALUE RANGE
STEAM-THRU	✓	✓			✓	✓	✓	✓			✓	✓	✓	1/2"	4.0 – 7.0
STEAM-THRU II	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	1/2"	3.0 – 9.0
ASEPTIQUIK S STEAM-THRU II			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	3/8"	1.0 – 2.0
ASEPTIQUIK G STEAM-THRU II				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1/2"	3.0 – 9.0

STEAM-THRU II ASSEMBLY PROCEDURE

STEP 1

Attach the equipment port to the stainless-steel processing equipment using a sanitary gasket and sanitary tri-clamp.

STEP 2



Attach the steam condensate line to the steam condensate port using a sanitary gasket and tri-clamp.

STEP 3

Perform a steam-in-place sterilization per your validated parameters and allow the connector to cool to room temperature.

STEP 4

Remove the plastic guard from above the connector thumb latch and transfer it to one of the tabs located directly above it.

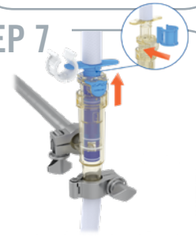
STEP 5

With the guard removed you can now press the thumb latch and actuate the connector from the steam position to the flow position.

STEP 6

Perform fluid transfer through the connector.

STEP 7



Press the thumb latch and actuate the connector from the flow position to the steam position, and return the guard to its original position

STEP 8

Perform a second steam-in-place cycle to "steam off" the connection.

STEAM-THRU®
SERIES CONNECTORS

Steam-Thru® Connectors allow a quick and easy sterile connection between stainless steel biopharmaceutical processing equipment and disposable bag and tube assemblies. The single-use design saves time and money by eliminating unnecessary cleaning procedures and reducing validation burden associated with reusable components.

SPECIFICATIONS

OPERATING CONDITIONS
(Fluid Transfer)

STEAM POSITION
Temperature:
39°F to 104°F (4°C to 40°C)
Pressure:
Up to 30 psi, 2.1 bar (Steam-Thru)
Up to 35 psi, 2.4 bar (Steam-Thru II)

FLOW POSITION
Temperature: 39°F to 104°F (4°C to 40°C)
Pressure: Vacuum to 20 psi, 1.4 bar

STERILIZATION
Full Connector Assembly
(or)
- **Gamma:** Up to 50 kGy irradiation
- **Autoclave:** Up to 265°F (129°C) for 60 minutes

Steam-In-Place (SIP):
Up to 266°F/130°C (up to ~24psi), 60 minutes (Steam-Thru)
Up to 275°F/135°C (up to ~31psi), 60 minutes (Steam-Thru II)

TERMINATIONS
3/8" (9.5mm) to 1/2" (12.7mm) ID hose barb (Steam-Thru)
3/8" (9.5mm) to 1/2" (12.7mm) ID hose barb and 3/4" sanitary (Steam-Thru II)

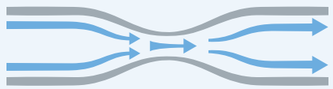
MATERIALS
Connection: Polysulfone (amber tint)
O-rings: Silicone (clear), platinum-cured
Removeable Sleeve: Polycarbonate

NOTE: Steam pressures are estimated based upon information in Steam Tables found in literature

FEATURES → BENEFITS

FEATURES	BENEFITS
Innovative three-port design	Allows a true steam-through SIP process which eliminates "dead legs" and the need for laminar flow hoods
Patented valve design	Allows sterile connection and disconnection and permits high media flow rate
Steam-Thru II thumb latch	Secures valve position, provides visual indicator of process stage
3/4" and 1-1/2" sanitary terminations	Easily connects to process equipment

TYPICAL FLOW RATE:
Cv Value Range:
4.0 - 7.0 for Steam-Thru
3.0 - 9.0 for Steam-Thru II



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

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cpcworldwide.com/STC

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/STC

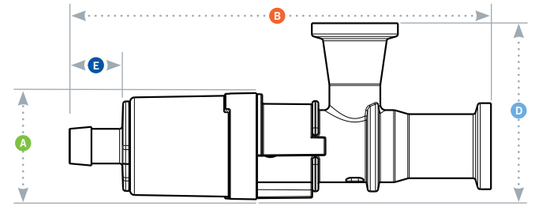
DID YOU KNOW
Steam-Thru connectors are perfect for any hybrid processing at your facility. If using a stainless-steel bioreactor and single-use systems, easily make a sterile connection between the two systems with a Steam-Thru connector on your single-use system and mounting it directly onto your bioreactor.

STEAM-THRU SERIES DIMENSIONS

POLYSULFONE with polycarbonate sleeve

TERMINATION	PART NO.	A	B	C	D	E
3/4" X 3/4" SANITARY X 1/2" HB	STC1700000	1.20" (30.5 mm)	5.09" (129.3 mm)	4.44" (112.8 mm)	2.00" (50.8 mm)	0.89" (22.6 mm)
3/4" X 3/4" SANITARY X 3/8" HB	STC1700100	1.20" (30.5 mm)	4.80" (121.9 mm)	4.15" (105.4 mm)	2.00" (50.8 mm)	0.60" (15.2 mm)
3/4" X 1-1/2" SANITARY X 1/2" HB	STC1700200	1.20" (30.5 mm)	5.09" (129.3 mm)	4.44" (112.8 mm)	2.00" (50.8 mm)	0.89" (22.6 mm)
3/4" X 1-1/2" SANITARY X 3/8" HB	STC1700300	1.20" (30.5 mm)	4.80" (121.9 mm)	4.15" (105.4 mm)	2.00" (50.8 mm)	0.60" (15.2 mm)

STEAM-THRU CONFIGURATIONS
Steam-Thru Connection's patented three-port design allows steam to pass directly through the lower ports to "steam on" to stainless equipment. After the SIP cycle is completed, the connector's valve is actuated, creating a sterile flow path to single-use systems.



A = Diameter
C = Actuated Length
E = Hose Barb Length
B = Total Length
D = Height

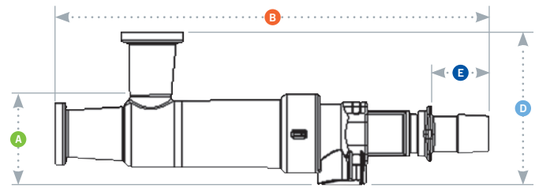
STEAM-THRU II SERIES DIMENSIONS

POLYSULFONE with polycarbonate sleeve

TERMINATION	PART NO.	A	B	C	D	E
3/4" X 3/4" SANITARY X 1/2" HB	STC2020000	1.42" (36.1 mm)	6.84" (173.7 mm)	5.93" (150.6 mm)	2.40" (61.0 mm)	0.88" (22.4 mm)
3/4" X 3/4" SANITARY X 3/8" HB	STC2020100	1.42" (36.1 mm)	6.76" (171.7 mm)	5.93" (150.6 mm)	2.40" (61.0 mm)	0.80" (20.3 mm)
3/4" X 1-1/2" SANITARY X 1/2" HB	STC2020200	1.42" (36.1 mm)	6.84" (173.7 mm)	5.93" (150.6 mm)	2.40" (61.0 mm)	0.88" (22.4 mm)
3/4" X 1-1/2" SANITARY X 3/8" HB	STC2020300	1.42" (36.1 mm)	6.76" (171.7 mm)	5.93" (150.6 mm)	2.40" (61.0 mm)	0.80" (20.3 mm)
3/4" X 3/4" SANITARY X 3/4" SANITARY	STC2020900	1.42" (36.1 mm)	6.60" (167.6 mm)	5.93" (150.6 mm)	2.40" (61.0 mm)	0.62" (15.7 mm)
3/4" X 1-1/2" SANITARY X 3/4" SANITARY	STC2021000	1.42" (36.1 mm)	6.60" (167.6 mm)	5.93" (150.6 mm)	2.40" (61.0 mm)	0.62" (15.7 mm)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

STEAM-THRU II CONFIGURATIONS
Steam-Thru II Connections offer the flexibility of "steam on" and "steam off" functionality. The innovative design allows the valve to be returned to the steam position enabling a second SIP cycle following media transfer. The "steam off" disconnection of single-use systems minimizes cross-contamination risks associated with reusable components.



A = Diameter
C = Actuated Length
E = Hose Barb Length
B = Total Length
D = Height

ASEPTIQUIK® STC II
SERIES CONNECTORS

AseptiQuik® STC Connectors combine the AseptiQuik® sterile connector and the Steam-Thru® II SIP connector, giving manufacturers greater flexibility between hybrid stainless steel and single-use processing equipment.

The union of the two connectors into a single unit through a sanitary clamp allows an AseptiQuik sterile connection to be steamed on to stainless equipment via SIP. After the SIP cycle, a wide range of single-use systems can be connected.

SPECIFICATIONS

OPERATING CONDITIONS
(Fluid Transfer)
Steam Position:
Temperature: Up to 275°F (135°C) for 60 minutes

PRESSURE
Up to 35 psi, 2.4 bar
Flow Position:
Temperature: 39°F to 104°F (4°C to 40°C)
Pressure: Up to 20 psi, 1.4 bar

STERILIZATION
Full Connector Assembly:
- **Gamma:** Up to 50 kGy irradiation

or
- **Autoclave:** High Temp (HT) Version
  Up to 266°F (130°C) for 60 minutes
  (AQGSTC)

Steam-In-Place (SIP):
Up to 275°F (135°C) (~31 psi) for 60 minutes

TERMINATIONS
3/8" (9.5mm) to 1/2" (12.7mm) ID hose barb (Steam-Thru)
3/8" (9.5mm) to 1/2" (12.7mm) ID hose barb and 3/4" sanitary (Steam-Thru II)

MATERIALS:
Main Components:
AseptiQuik - Polycarbonate (white)
Steam-Thru II - Polysulfone (amber tint)
Seals: Silicone (clear), platinum-cured
Removable Sleeve: Polycarbonate (white)
Pull Tabs:
Polycarbonate (blue, standard version)
Polycarbonate (white, HT version)
Membrane:
Polyethylene (standard version)
Hydrophobic polyethersulfone (HT versions), PTFE strip sticker
Clamp: Nylon 66 (white)

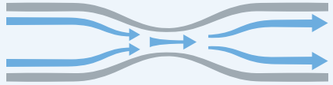
NOTE: Steam pressures are estimated based upon information in Steam Tables found in literature

Scan code to visit webpage

SCAN

cpcworldwide.com/AseptiQuik-STC

TYPICAL FLOW RATE:
Cv Value Range:
3 - 9 for AQSSTCII
1 - 2 for AQGSTCII



Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE
Validation and Extractables data can be requested at cpcworldwide.com/AseptiQuik-STC

DID YOU KNOW
The AQSSTC provides the same sterile hybrid technology as the Steam-Thru II, but in an even more compact form. The AQSSTC has an AseptiQuik mounted on the single-use port of the Steam-Thru Connector. Meaning fewer single-use systems mounted on your bioreactor during the SIP process. Connect the other end of the AQS at any point after the SIP process and before actuating to the flow position.

ASEPTIQUIK STC SERIES DIMENSIONS

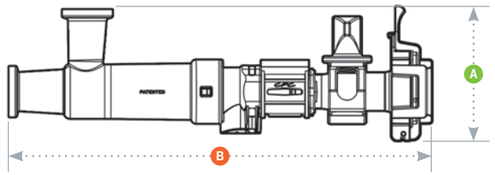
COMBINATION PRODUCT - Polycarbonate with blue pull tabs and Steam-Thru II- *For gamma irradiation applications.*

TERMINATION	PART NO.	A	B	C
3/4" X 3/4" SANITARY STEAM-THRU II WITH ASEPTIQUIK G BODY	AQGSTC2330900	3.05" (77.5 mm)	8.26" (209.8 mm)	7.36" (186.9 mm)
3/4" X 1-1/2" SANITARY STEAM-THRU II WITH ASEPTIQUIK G BODY	AQGSTC2331000	3.05" (77.5 mm)	8.26" (209.8 mm)	7.36" (186.9 mm)
3/4" X 3/4" SANITARY STEAM-THRU II WITH ASEPTIQUIK S BODY	AQSSTC2330900	2.45" (62.2 mm)	8.20" (208.2 mm)	7.30" (185.4 mm)
3/4" X 1-1/2" SANITARY STEAM-THRU II WITH ASEPTIQUIK S BODY	AQSSTC2331000	2.45" (62.2 mm)	8.20" (208.2 mm)	7.30" (185.4 mm)

COMBINATION PRODUCT - Polycarbonate HT with white pull tabs and Steam-Thru II- *For autoclave or gamma irradiation applications.*

TERMINATION	PART NO.	A	B	C
3/4" X 3/4" SANITARY STEAM-THRU II WITH ASEPTIQUIK G BODY	AQGSTC2330900HT	3.05" (77.5 mm)	8.26" (209.8 mm)	7.36" (186.9 mm)
3/4" X 1-1/2" SANITARY STEAM-THRU II WITH ASEPTIQUIK G BODY	AQGSTC2331000HT	3.05" (77.5 mm)	8.26" (209.8 mm)	7.36" (186.9 mm)
3/4" X 3/4" SANITARY STEAM-THRU II WITH ASEPTIQUIK S BODY	AQSSTC2330900HT	2.45" (62.2 mm)	8.20" (208.2 mm)	7.30" (185.4 mm)
3/4" X 1-1/2" SANITARY STEAM-THRU II WITH ASEPTIQUIK S BODY	AQSSTC2331000HT	2.45" (62.2 mm)	8.20" (208.2 mm)	7.30" (185.4 mm)

PRODUCT DIMENSIONS



A = Height/Diameter
B = Total Length

FEATURES	BENEFITS
Genderless AseptiQuik	Eases single-use systems specifications with one-part number for both halves
FLIP-CLICK-PULL	Intuitive three-step connection process reduces risk of operator error
CPC Click	Audible confirmation of assembly with no additional hardware required
Innovative three-port steam design	Allows a true steam-through SIP process which eliminates "dead legs"
Patented steam valve design	Allows sterile connection and disconnection to stainless equipment and permits a high media flow rate
Sanitary interface between the two connectors	More secure connection than tubing with cable ties

PRODUCT INDEX

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