

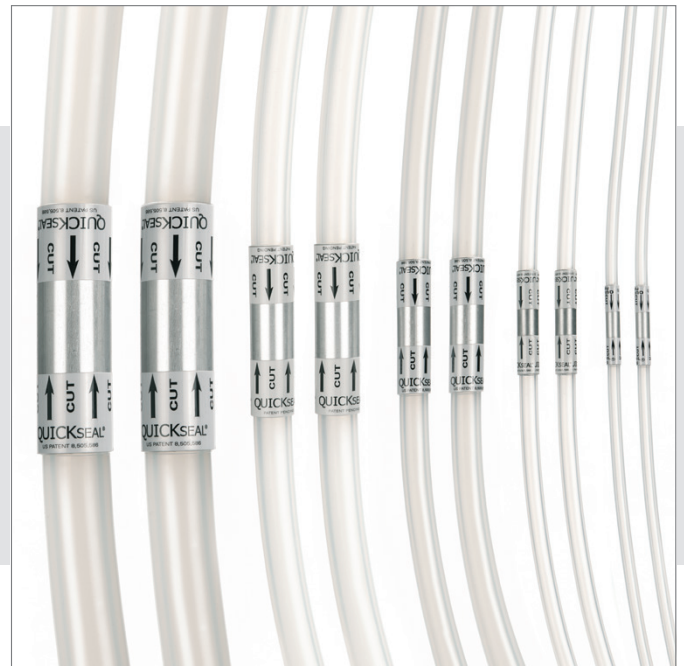


QUICKSEAL®

Aseptic Disconnections

Product Information

Installed on an array of tube materials including platinum-cured silicone, C-Flex® and other thermoplastic elastomers, QUICKSEAL® is the quickest aseptic tube separation technique available today. Extensively tested, QUICKSEAL® is proven aseptic and stronger than the tubing it is part of.



Description

QUICKSEAL® can be installed on a variety of tube materials across a range of tube sizes. The tubing runs continuously through the collar for an uninterrupted fluid path.

The QUICKSEAL® collar is molded to the outside of the tubing. The cut collar holds the walls of the tubing together to create the aseptic seal.

QUICKSEAL® can be included as a component on single-use tube, bag or bottle assemblies, sampling manifolds, single-use bioreactors and more.

QUICKSEAL® reduces operating time and improves reliability for biopharmaceutical and other high-purity fluid handling industries.

Applications

The QUICKSEAL® Aseptic Disconnections are used after fluid transfer to disconnect single-use transfer lines and bag assemblies used in biopharmaceutical applications. QUICKSEAL® Aseptic Disconnections provide aseptic disconnection in non-classified and classified environments while maintaining product sterility. It can be applied to multiple types and sizes of tubing.



Collar is uncut



Collar has been cut

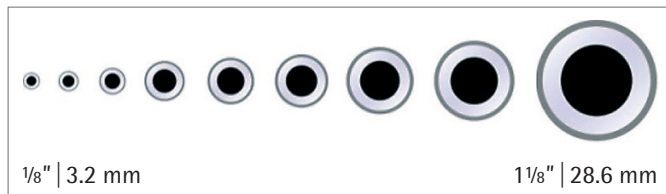


QUICKSEAL® collars on inlet line to each MYCAP® bottle assembly

Technical Data

Specifications

QUICKSEAL [®] Aseptic Disconnections	
Tubing Dimensions	
OD inch	1/8" 1/4" 3/8" 7/16" 1/2" 5/8" 3/4" 1" 1 1/8"
OD mm	3.2 6.4 9.6 11.1 12.7 15.9 19.0 25.4 28.6
Tubing Material	Silicone (DOW PHARMA [®] 50 STHT-C [®] , Pumpsil [®]) TPE (C-Flex [®]) Inquire about other tube materials
QUICKSEAL [®] position	Variable
Tubing length	
inch	6" 12" 18" 24" 36"
mm	~150 305 460 610 915 Other tube lengths available upon request
Sealing Time	< 4 seconds
Operating Steps	1
Seal Type	Mechanical
Fluid Contact Material	Tubing Material
Component Material	Aluminum (3003)
Validation Testing	Container Closure (Ambient) Container Closure (Freeze Thaw) Burst Test Tensile Pull Test



Cutting Tool Specifications: Large Diameter Cutter	
Materials of Construction (cutting head)	304 Stainless Steel
Weight	4 lbs (2.2 kg)
Width	2" (60 mm)
Depth	4 1/4" (108 mm)
Length	14 3/4" (375 mm)
Sound	< 80 dB at 1 meter
Vibration	< 2.5 m/s ²
Cutting Time	4 seconds
Closing Speed	6 mm/s
Cuts per Charge	≈300
Battery Voltage	18V
Charging Time	20 min



Cutting Tool Specifications: Small Diameter Cutter	
QUICKSEAL [®] Collar Size Range	< 1/4" (6.4 mm)
Materials of Construction	420 Stainless Steel
Weight	3/4 lbs (345g)
Width	1/2" (13 mm)
Depth	1 1/8" (27 mm)
Length	8 1/8" (206 mm)



Please note:

MYCAP[®] is a registered trademark of Sartorius Stedim Biotech
C-Flex[®] & STHT-C[®] is a registered trademark of St. Gobain
Dow Pharma[®] is a registered trademark of Dow Corning

Ordering Information

Custom tube lengths and QUICKSEAL® collar positions available upon request. Please contact your local Sartorius sales contact for information

QUICKSEAL® Aseptic Disconnections on Silicone tubing

Order Code	Description
Tubing Dimensions 1/8" ID × 1/4" OD	
QSP0204010306	Silicone Tube, 6" OAL w/QS at 3"
QSP0204010612	Silicone Tube, 12" OAL w/QS at 6"
QSP0204010618	Silicone Tube, 18" OAL w/QS at 6"
QSP0204010624	Silicone Tube, 24" OAL w/QS at 6"
QSP0204010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/4" ID × 3/8" OD	
QSP0406010306	Silicone Tube, 6" OAL w/QS at 3"
QSP0406010612	Silicone Tube, 12" OAL w/QS at 6"
QSP0406010618	Silicone Tube, 18" OAL w/QS at 6"
QSP0406010624	Silicone Tube, 24" OAL w/QS at 6"
QSP0406010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/4" ID × 7/16" OD	
QSP0407010306	Silicone Tube, 6" OAL w/QS at 3"
QSP0407010612	Silicone Tube, 12" OAL w/QS at 6"
QSP0407010618	Silicone Tube, 18" OAL w/QS at 6"
QSP0407010624	Silicone Tube, 24" OAL w/QS at 6"
QSP0407010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/4" ID × 1/2" OD	
QSP0408010612	Silicone Tube, 12" OAL w/QS at 6"
QSP0408010618	Silicone Tube, 18" OAL w/QS at 6"
QSP0408010624	Silicone Tube, 24" OAL w/QS at 6"
QSP0408010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 3/8" ID × 5/8" OD	
QSP0610010612	Silicone Tube, 12" OAL w/QS at 6"
QSP0610010618	Silicone Tube, 18" OAL w/QS at 6"
QSP0610010624	Silicone Tube, 24" OAL w/QS at 6"
QSP0610010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/2" ID × 3/4" OD	
QSP0812010612	Silicone Tube, 12" OAL w/QS at 6"
QSP0812010618	Silicone Tube, 18" OAL w/QS at 6"
QSP0812010624	Silicone Tube, 24" OAL w/QS at 6"
QSP0812010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 3/4" ID × 1" OD	
QSP1216010612	Silicone Tube, 12" OAL w/QS at 6"
QSP1216010618	Silicone Tube, 18" OAL w/QS at 6"
QSP1216010624	Silicone Tube, 24" OAL w/QS at 6"
QSP1216010636	Silicone Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 3/4" ID × 1 1/8" OD	
QSP1218010612	Silicone Tube, 12" OAL w/QS at 6"
QSP1218010618	Silicone Tube, 18" OAL w/QS at 6"
QSP1218010624	Silicone Tube, 24" OAL w/QS at 6"
QSP1218010636	Silicone Tube, 36" OAL w/QS at 6"

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QUICKSEAL® Aseptic Disconnections on TPE tubing

Order Code	Description
Tubing Dimensions 1/8" ID x 1/4" OD	
QSC0204010306	C-Flex® Tube, 6" OAL w/QS at 3"
QSC0204010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC0204010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC0204010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC0204010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/4" ID x 3/8" OD	
QSC0406010306	C-Flex® Tube, 6" OAL w/QS at 3"
QSC0406010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC0406010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC0406010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC0406010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/4" ID x 7/16" OD	
QSC0407010306	C-Flex® Tube, 6" OAL w/QS at 3"
QSC0407010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC0407010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC0407010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC0407010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/4" ID x 1/2" OD	
QSC0408010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC0408010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC0408010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC0408010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 3/8" ID x 5/8" OD	
QSC0610010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC0610010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC0610010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC0610010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 1/2" ID x 3/4" OD	
QSC0812010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC0812010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC0812010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC0812010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 3/4" ID x 1" OD	
QSC1216010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC1216010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC1216010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC1216010636	C-Flex® Tube, 36" OAL w/QS at 6"

Order Code	Description
Tubing Dimensions 3/4" ID x 1 1/8" OD	
QSC1218010612	C-Flex® Tube, 12" OAL w/QS at 6"
QSC1218010618	C-Flex® Tube, 18" OAL w/QS at 6"
QSC1218010624	C-Flex® Tube, 24" OAL w/QS at 6"
QSC1218010636	C-Flex® Tube, 36" OAL w/QS at 6"

QUICKSEAL® Aseptic Disconnections Accessories

Order Code	Description
QS04CAPSILNT	Silicone protection caps for 1/4 in (6.4 mm) OD QUICKSEAL® collars (pack of 50)
QS06CAPSILNT	Silicone protection caps for 3/8 in (9.6 mm) OD QUICKSEAL® collars (pack of 50)
QS07CAPSILNT	Silicone protection caps for 7/16 in (11.1 mm) OD QUICKSEAL® collars (pack of 50)
QS08CAPSILNT	Silicone protective caps for 1/2 in (12.7 mm) OD QUICKSEAL® collars (pack of 50)
QS10CAPSILNT	Silicone protection caps for 5/8 in (16 mm) OD QUICKSEAL® collars (pack of 50)
QS12CAPSILNT	Silicone protection caps for 3/4 in (19.0 mm) OD QUICKSEAL® collars (pack of 50)
QS18CAPSILNT	Silicone protection caps for 1.125 in (28.5 mm) OD QUICKSEAL® collars (pack of 50)

Order Code	Description
QSCUTTERS	Small Diameter QUICKSEAL® Cutter for tubes up to 0.25" (6.4 mm) OD
QSCUTTERLD	Large Diameter QUICKSEAL® Cutter for tubes up to 1.125" (28.6 mm) OD; 120V Battery Charger and two 18V Batteries
QSCUTTERLD230V	Large Diameter QUICKSEAL® Cutter for tubes up to 1.125" (28.6 mm) OD; 230V Battery Charger and two 18V Batteries
QSCUTTERREADER	Electronic Reader for Battery Powered Large Diameter QUICKSEAL® Cutter



The QUICKSEAL® protective caps can be installed after collars are cut. The caps are made from silicone so are very flexible, durable and have a wide temperature range.



Installation is simple:

1. Grasp the cap near the open end between index finger and thumb
2. Squeeze the cap until the opening is wide enough for the cut QUICKSEAL® collar
3. Insert the QUICKSEAL® collar and release

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