

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

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)

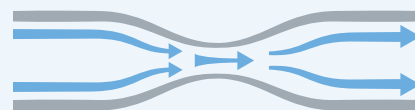
NOTE: Steam pressures are estimated based upon information in Steam Tables found in literature

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.

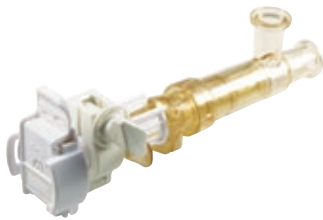
ASEPTIQUIK STC SERIES DIMENSIONS

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



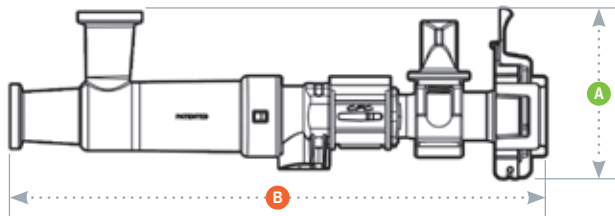
TERMINATION	PART NO.	A	B	C
3/4" X 3/4" SANITARY STEAM-THRU II WITH ASEPTIQUIK G BODY	AQGSTC2330900	3.05" (77.5 mm)	8.26" (209.8 mm)	7.36" (186.9 mm)
3/4" X 1-1/2" SANITARY STEAM-THRU II WITH ASEPTIQUIK G BODY	AQGSTC2331000	3.05" (77.5 mm)	8.26" (209.8 mm)	7.36" (186.9 mm)
3/4" X 3/4" SANITARY STEAM-THRU 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

- Genderless AseptiQuik →
- FLIP-CLICK-PULL →
- CPC Click →
- Innovative three-port steam design →
- Patented steam valve design →
- Sanitary interface between the two connectors →

BENEFITS

- Eases single-use systems specifications with one-part number for both halves
- Intuitive three-step connection process reduces risk of operator error
- Audible confirmation of assembly with no additional hardware required
- Allows a true steam-through SIP process which eliminates "dead legs"
- Allows sterile connection and disconnection to stainless equipment and permits a high media flow rate
- More secure connection than tubing with cable ties