

ASEPTIQUIK® X SERIES CONNECTORS

AseptiQuik® X Large Format 1" Connectors provide quick and easy sterile connections for high flow applications, even in non-sterile environments. AseptiQuik® X connectors' "TWIST-PULL-TWIST" design enables users to quickly transfer large volumes of media easily with less risk of operator error. The connectors' robust design provides reliable performance without the need for clamps, fixtures or tube welders. Biopharmaceutical manufacturers can now make 1" sterile connections with the quality and market availability they expect from the leader in single-use connection.



SPECIFICATIONS

OPERATING PRESSURE

Up to 60 psi, 4.1 bar

OPERATING TEMPERATURE

39°F to 104°F (4°C to 40°C)

STERILIZATION

Standard (blue) version:

Gamma: Up to 50 kGy irradiation

High Temperature (white) version:

Gamma: Up to 50 kGy irradiation

Autoclave: Up to 266°F (130°C), 60 minutes

TERMINATIONS

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

MATERIALS

Main Components:

Polycarbonate (white)

Lock Ring:

Polycarbonate, PVDF (blue)

Pull Tabs:

Polycarbonate (blue, standard version)

Polycarbonate (white, HT version)

Caps:

Polypropylene (clear)

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.

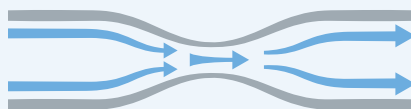
FEATURES

- TWIST-PULL-TWIST design → Intuitive three-step connection process reduces risk of operator error
- Membrane pull tabs → Ensure simultaneous and secure removal of both membranes
- Robust construction → Repeatable and reliable performance with no additional hardware required
- Integrated lock ring → Secures final connection preventing disassembly
- CPC Click → Audible confirmation of completed assembly steps

BENEFITS

TYPICAL FLOW RATE:

Cv Value Range: 15-55



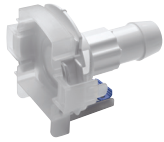
Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

DID YOU KNOW

Did you know that the AseptiQuik L Series Connectors also have 3/4", 1", and 1 1/2" sanitary connections?

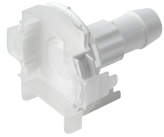
ASEPTIQUIK® X SERIES DIMENSIONS

COUPLING BODY Polycarbonate - with Blue Pull Tabs



TERMINATION	METRIC EQ.	PART NO.	A	B	C
3/4" HOSE BARB	19.1 mm	AQX17012	3.54"	3.93"	1.50"
1" HOSE BARB	25.4 mm	AQX17016	3.54"	4.04"	1.53"
1-1/2" SANITARY	38.1 mm	AQX33024	3.54"	4.18"	1.73"

COUPLING BODY Polycarbonate - HT with White Pull Tabs



TERMINATION	METRIC EQ.	PART NO.	A	B	C
3/4" HOSE BARB	19.1 mm	AQX17012HT	3.54"	3.93"	1.50"
1" HOSE BARB	25.4 mm	AQX17016HT	3.54"	4.04"	1.53"
1-1/2" SANITARY	38.1 mm	AQX33024HT	3.54"	4.18"	1.73"

COUPLING INSERT Polycarbonate - with Blue Pull Tabs



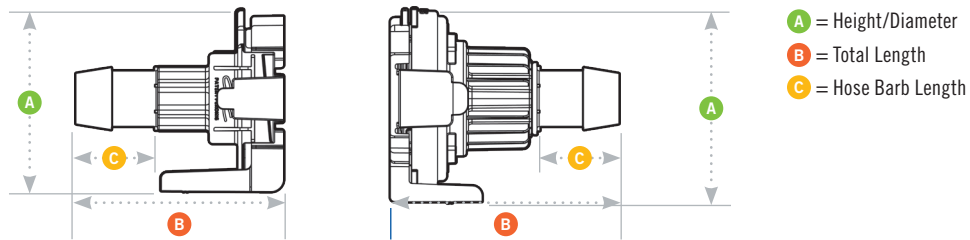
TERMINATION	METRIC EQ.	PART NO.	A	B	C
3/4" HOSE BARB	19.1 mm	AQX22012	3.76"	4.34"	1.50"
1" HOSE BARB	25.4 mm	AQX22016	3.76"	4.45"	1.53"
1-1/2" SANITARY	38.1 mm	AQX44024	3.76"	4.58"	1.74"

COUPLING INSERT Polycarbonate - HT with White Pull Tabs



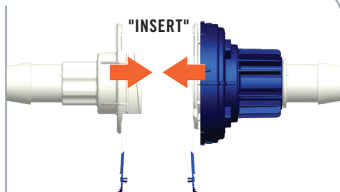
TERMINATION	METRIC EQ.	PART NO.	A	B	C
3/4" HOSE BARB	19.1 mm	AQX22012HT	3.76"	4.34"	1.50"
1" HOSE BARB	25.4 mm	AQX22016HT	3.76"	4.45"	1.53"
1-1/2" SANITARY	38.1 mm	AQX44024HT	3.76"	4.58"	1.74"

PRODUCT DIMENSIONS



AQX ASSEMBLY PROCEDURE

STEP 1



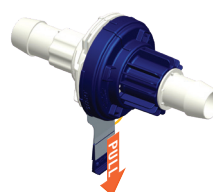
Align male and female connectors using the START alignment feature of the blue lock ring with the rib indicator of the white body. Insert the two halves together.

STEP 2



Twist the blue lock ring clockwise (approximately 75°) until audible "CPC Click" is heard. Alignment of the small blue lock ring rib indicator with the white body's rib indicator confirms final rotation is complete.

STEP 3



Snap the membrane pull tabs together and pull from connector.

STEP 4



Twist the blue lock ring clockwise until the final audible "CPC Click" is heard (90° from the initial starting point). Alignment of the long blue lock ring rib indicator with the white body's rib indicator confirms initial rotation is complete.