

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's "TWIST-PULL-TWIST" design enables users to quickly transfer large volumes of media easily with less risk of operator error. The connector's 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 technology.

FEATURES

TWIST-PULL-TWIST Design

Membrane pull tabs

Robust construction

Integrated lock ring

CPC Click

BENEFITS

Intuitive three-step connection process reduces risk of operator error

Ensure simultaneous and secure removal of both membranes

Repeatable and reliable performance with no additional hardware required

Secures final connection preventing disassembly

Audible confirmation of completed assembly steps

Specifications ● ● ●

PRESSURE:

Up to 60 psi, 4.1 bar

TEMPERATURE:

39°F to 104°F (4°C to 40°C)

STERILIZATION:

Gamma: Up to 50kGy irradiation

Autoclave High Temp (HT) Version: Up to 266°F (130°C) for 30 minutes

TERMINATION SIZES:

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

MATERIALS:

Main Components:

PVDF (white), USP Class VI, ADCF

Lock Ring:

PVDF (blue), USP Class VI, ADCF

Pull Tabs:

Polycarbonate (blue, standard version),
USP Class VI, ADCF

Polycarbonate (white, HT version), USP Class VI, ADCF

Caps:

Polypropylene (clear), USP Class VI, ADCF

Seals:

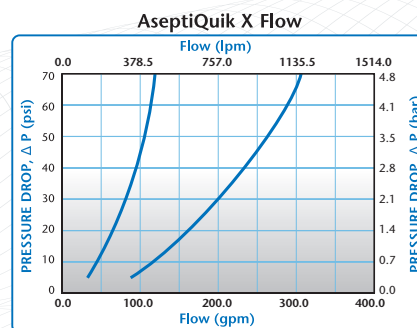
Silicone (clear), platinum-cured,
USP Class VI, ADCF

Membrane:

Polyethylene (standard version),
USP Class VI, ADCF

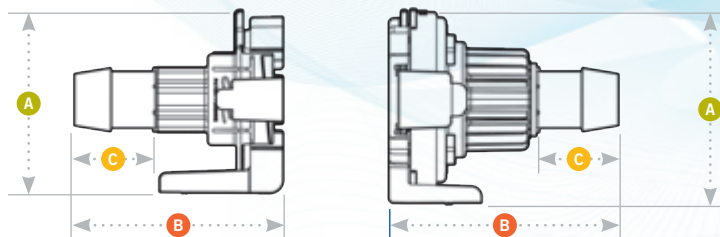
Hydrophobic polyethersulfone (HT version),
USP Class VI, ADCF, PTFE strip sticker

⚠ This graph is intended to give you a general idea of the performance capabilities of each product line. The shaded area of the graph represents the operating range of the product family, i.e. upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.



ASEPTIQUIK® X SERIES DIMENSIONS

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



Coupling Bodies

• POLYCARBONATE with Blue Pull Tabs



TERMINATION
3/4" HOSE BARB
1" HOSE BARB
1-1/2" SANITARY

PART NO.
AQX17012
AQX17016
AQX33024

A
3.54
3.54
3.54

B
3.93
4.04
4.18

C
1.50
1.53
1.73

• POLYCARBONATE HT with White Pull Tabs



TERMINATION
3/4" HOSE BARB
1" HOSE BARB
1-1/2" SANITARY

PART NO.
AQX17012HT
AQX17016HT
AQX33024HT

A
3.54
3.54
3.54

B
3.93
4.04
4.18

C
1.50
1.53
1.73

Coupling Inserts

• POLYCARBONATE with Blue Pull Tabs



TERMINATION
3/4" HOSE BARB
1" HOSE BARB
1-1/2" SANITARY

PART NO.
AQX22012
AQX22016
AQX44024

A
3.76
3.76
3.76

B
4.34
4.45
4.58

C
1.50
1.53
1.74

• POLYCARBONATE HT with White Pull Tabs



TERMINATION
3/4" HOSE BARB
1" HOSE BARB
1-1/2" SANITARY

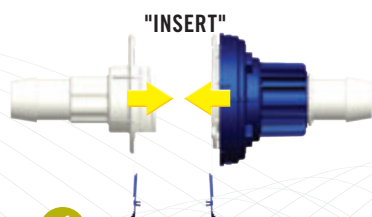
PART NO.
AQX22012HT
AQX22016HT
AQX44024HT

A
3.76
3.76
3.76

B
4.34
4.45
4.58

C
1.50
1.53
1.74

TWIST-PULL-TWIST Assembly Procedure



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.



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.



3

Snap the membrane pull tabs together and pull from connector.



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.