

# Pure-Fit® SC



Secure Aseptic  
CONNECTIONS

outside  
the cleanroom

# Pure-Fit<sup>®</sup> SC

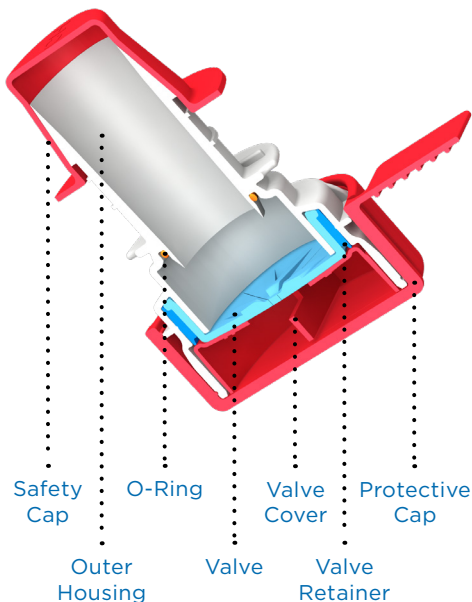
Connective technology that makes completely **aseptic connections** possible **outside** the cleanroom environment.



## BENEFITS

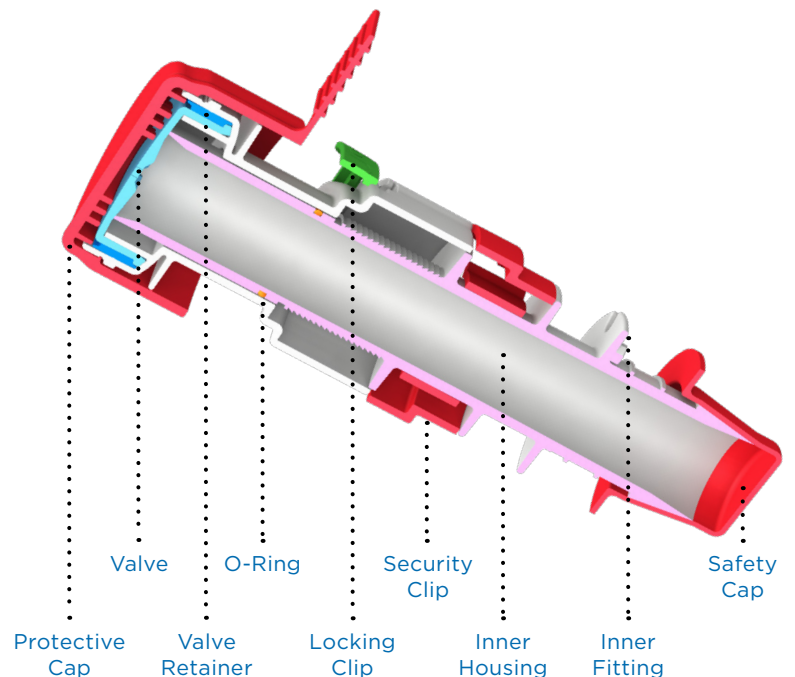
- > Silicone valve design leaves no gaps and eliminates problems associated with other systems
- > Laser etched for complete lot traceability
- > Triple-redundant locking mechanism simplifies validation, reducing chances of operator error
- > Patented Pure-Fit<sup>®</sup> SIB<sup>®</sup> technology on barb connections ensures a completely smooth fluid path
- > Available in interchangeable 3/4" and 1" sizes for greater flow volume
- > Available in three interchangeable sizes (1/4", 3/8", 1/2") for step-down requirements
- > All components made of fully characterized, animal derivative-free and BPA-free materials
- > Easy-to-see laser-etched visual indicators confirm proper engagement
- > Can be sterilized via gamma irradiation or autoclaving

## Outer Housing Assembly



FLS-5076D-1217-BPS

## Inner Housing Assembly



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## Pure-Fit<sup>®</sup> SC Selection Guide

Part Number	Configuration	Hose Barb inches (mm)	Length inches (mm)	Width inches (mm)	Quantity
PFSC250-CAM	Complete Assembly Set	1/4 (6.35)	5.72 (145.29)	1.58 (40.13)	25 per box
PFSC250-IHM	Inner Housing	1/4 (6.35)	4.23 (107.44)	1.48 (37.59)	25 per box
PFSC250-OHM	Outer Housing	1/4 (6.35)	2.00 (50.80)	1.58 (40.13)	25 per box
PFSC375-CAM	Complete Assembly Set	3/8 (9.53)	6.06 (153.92)	1.58 (40.13)	25 per box
PFSC375-IHM	Inner Housing	3/8 (9.53)	4.48 (113.79)	1.58 (40.13)	25 per box
PFSC375-OHM	Outer Housing	3/8 (9.53)	2.11 (53.59)	1.58 (40.13)	25 per box
PFSC500-CAM	Complete Assembly Set	1/2 (12.70)	6.17 (156.72)	1.65 (41.91)	25 per box
PFSC500-IHM	Inner Housing	1/2 (12.70)	4.56 (115.82)	1.65 (41.91)	25 per box
PFSC500-OHM	Outer Housing	1/2 (12.70)	2.14 (54.36)	1.58 (40.13)	25 per box
PFSC750-CAM	Complete Assembly Set	3/4 (19.05)	7.35 (186.69)	2.52 (64.00)	25 per box
PFSC750-IHM	Inner Housing	3/4 (19.05)	5.79 (147.07)	2.00 (50.80)	25 per box
PFSC750-OHM	Outer Housing	3/4 (19.05)	2.94 (74.67)	2.07 (52.59)	25 per box
PFSC1.00-CAM	Complete Assembly Set	1 (25.40)	7.35 (186.69)	2.69 (68.33)	25 per box
PFSC1.00-IHM	Inner Housing	1 (25.40)	5.79 (147.07)	2.00 (50.80)	25 per box
PFSC1.00-OHM	Outer Housing	1 (25.40)	2.94 (74.67)	2.07 (52.59)	25 per box

Note: All parts are supplied double bagged and non-sterile.

Inner and outer housings for 3/4" and 1" are interchangeable for higher flow volume.

Inner and outer housings for 1/4", 3/8" and 1/2" sizes are interchangeable for step-down requirements.

## Materials of Construction

Inner Housing (a)	PVDF
Outer Housing (a)	PVDF
Inner Fitting	PVDF
Valve	Platinum-Cured Silicone
Valve Retainer	PVDF
O-Ring	Platinum-Cured Silicone
Locking Clip	PVDF
Protective Cap	C-Flex <sup>®</sup>
Safety Cap	C-Flex <sup>®</sup>
Security Clip	C-Flex <sup>®</sup>
Valve Cover	PVDF

(a) Fluid Contact Path

Note: All materials of construction are animal derivative-free and BPA-free.

## Validation

- USP Class VI
- ISO 10993
- EP 3.1.9

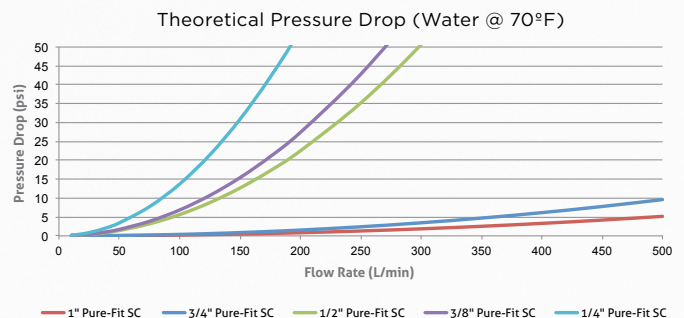
## Sterilization Methods

Gamma Irradiation	up to 5.0 Mrad (50 kGy)
Autoclave	134°C, 60 Minutes (Excellent results on Autoclave Study: Residual Moisture Test)

## Operating Conditions

Maximum Operating Pressure (Applicable when engaged)	psi (bar)
PFSC250 (1/4")	35 (2.41)
PFSC375 (3/8")	35 (2.41)
PFSC500 (1/2")	35 (2.41)
PFSC750 (3/4")	20 (1.38)
PFSC1.00 (1")	20 (1.38)
Operating Temperature °F (°C)	32 (0) to 104 (40)
Storage Temperature °F (°C)	-40 (-40) to 77 (25)

## Typical Flow Rate Data

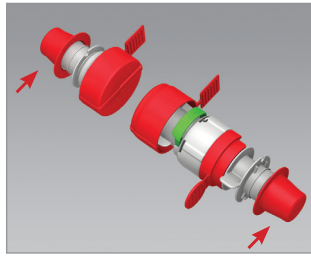


## Assembly Sequence for Pure-Fit® SC Connection

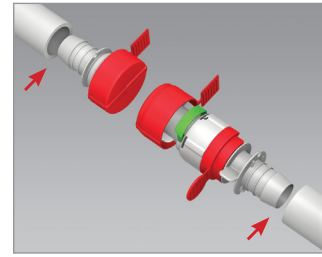
- 1 Remove the Inner Housing and Outer Housing Safety Caps.
- 2 Attach the Tubing and Retainers to the Pure-Fit® SIB® barbed ends.
- 3 Pull up the Tear Tabs, then remove the Protective Caps.
- 4 Turn valve cover counterclockwise until it stops. Pull out to remove.
- 5 Insert the Inner Housing into the Outer Housing; note lock size versus slot size.
- 6 Rotate the Inner Housing inside the Outer Housing to line up locks.
- 7 Fully insert Inner Housing locks into locking track window.
- 8 After insertion, rotate the Inner Housing clockwise in the Outer Housing until it locks.
- 9 Fully depress the Locking Clip against Inner Housing with your thumb.
- 10 Grasp Security Clip and pull tab away from the Inner Housing.
- 11 Push the Inner Housing into the Outer Housing until it stops.
- 12 Grasp the end of the Inner Fitting and rotate it clockwise until it locks.

The sanitary connection is complete and fluid can flow through the connection.

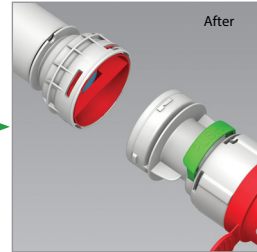
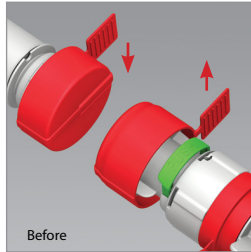
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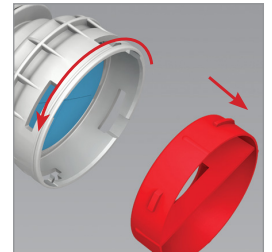
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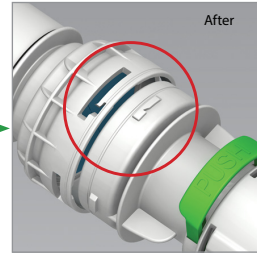
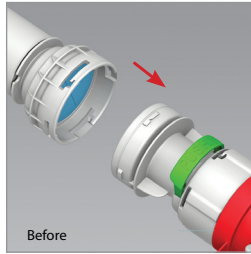
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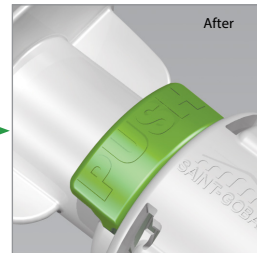
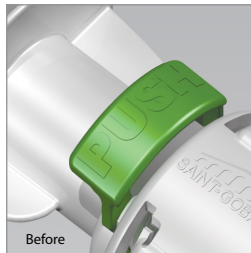
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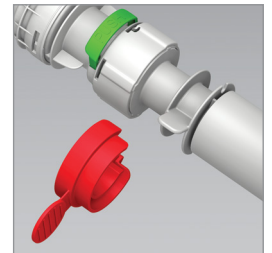
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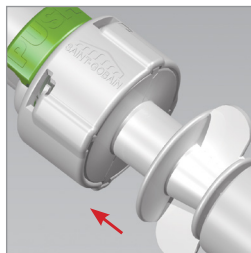
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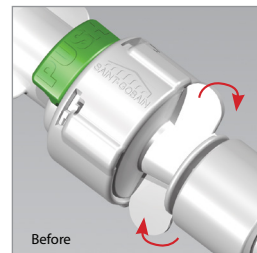
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# Pure-Fit® SC

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For more than four decades, Saint-Gobain and its family of companies have supplied the world with innovative, high-performance polymer products for the most demanding applications. Our tradition of excellence goes back 350 years through our parent company, Compagnie de Saint-Gobain, one of the world's top 100 industrial corporations, with operations in 64 countries. This successful corporation has been built with the single purpose of serving the customer and a commitment to quality and leadership in each of the industries served.

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