

# Quick Connectors

- SHQC Series
- SQC Series
- SFQC Series



# Full Flow Quick Connectors

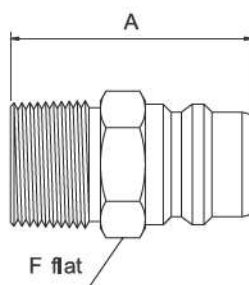
## SFQC Series

### Features

- Proven ball - lock mechanism provides positive connection.
- Simple push - pull action to connect and disconnect lines - no tools required.
- Compact coupling offers full without orifice restrictions.
- O-ring is easily replaced without disassembling body.



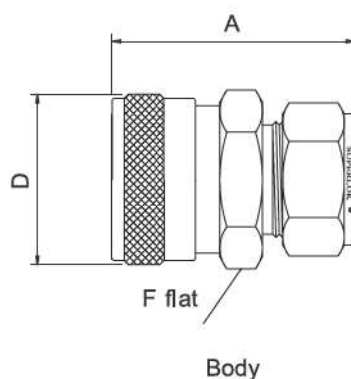
### Table of Dimensions



Plug

Part No.		End Connection	Cv	Min Orifice	A	F	
		Type					
SFQC2P	S4	1/4" Superlok	2.2	4.8	45.0	14.3	
	S6	3/8" Superlok	2.8	17.5			
	M4N(R)	1/4" Male NPT	1.7	6.1	40.4	14.3	
	M6N(R)	3/8" Male NPT(PT)				17.5	
	M4G	1/4" Male PF			40.6	19.1	
	F4N(R)	1/4" Female NPT(PT)			42.4	22.2	
	F6N(R)	3/8" Female NPT(PT)					
	F4G	1/4" Female PF					40.6
SFQC3P	S6	3/8" Superlok	2.9	7.1	47.8	22.2	
	S8	1/2" Superlok	13.0	10.4	50.5		
	M6N(R)	3/8" Male NPT(PT)	7.1	10.4	41.9		
	M8N(R)	1/2" Male NPT(PT)	11.5	12.7	46.7		
	M8G	1/2" Male PF	11.5	12.7	46.2	27.0	
	F6N(R)	3/8" Female NPT(PT)	7.1		11.9		40.4
	F8N(R)	1/2" Female NPT(PT)	11.5		46.2		
	F8G	1/2" Female PF	11.5				
SFQC4P	S12	3/4" Superlok	26.0	15.7	54.6	27.0	
	M12N(R)	3/4" Male NPT(PT)	23.6	18.3	51.6		
	F12N(R)	3/4" Female NPT(PT)			52.8	33.3	
SFQC5P	S16	1" Superlok	45.0	22.4	62.2	34.9	
	M16N(R)	1" Male NPT(PT)	39.0		59.7		
	F16N(R)	1" Female NPT(PT)			63.2	41.3	

- Dimensions and Drawings are for reference only and are subject to change without prior notice.  
 - Unless otherwise specified, all dimensions are in millimeters.  
 - Sizes, pressure classes, and end connections not listed are available upon request.



Ordering Number		End Connection	Cv	A	D	F	
Body Series		Type					
SFQC2B	S4	1/4" Superlok	8	45.7	22.2	17.5	
	S6	3/8" Superlok	7.1	46.0			
	M4N(R)	1/4" Male NPT	6.4	40.0			
	M6N(R)	3/8" Male NPT(PT)	9.4				
	M4G	1/4" Male PF	6.1	45.7		19.1	
	F4N(R)	1/4" Female NPT(PT)	9.7	38.1			
	F6N(R)	3/8" Female NPT(PT)		41.4			22.2
	F4G	1/4" Female PF		38.1			19.1
SFQC3B	S6	3/8" Superlok		7.1	55.1	33.0	27.0
	S8	1/2" Superlok	11.9	56.6			
	M6N(R)	3/8" Male NPT(PT)	10.4	46.5			
	M8N(R)	1/2" Male NPT(PT)	12.7	52.8			
	M8G	1/2" Male PF	11.9				
	F6N(R)	3/8" Female NPT(PT)	15.0	43.9			
	F8N(R)	1/2" Female NPT(PT)	16.0				
	F8G	1/2" Female PF					
SFQC4B	S12	3/4" Superlok	15.7	62.2	42.6	38.1	
	M12N(R)	3/4" Male NPT(PT)	18.3	59.2			
	F12N(R)	3/4" Female NPT(PT)	22.4	48.0			
SFQC5B	S16	1" Superlok	22.4	70.0	49.0	44.5	
	M16N(R)	1" Male NPT(PT)		67.3			
	F16N(R)	1" Female NPT(PT)	26.9	53.8			

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## Materials of Construction

Component	Material	
	316 SS	Brass
*Body	SS316/A276	Brass / B16
Sleeve	SS316/A276	Brass / B16
Locking ball	SS316/A276	Brass / B16
Spring	SS304	SS304
Sanp ring	SS304	SS304
*O - ring	Viton	NBR
*Plug	SS316/A276	Brass / B16

\* Wetted components

## Pressure-Temperature Ratings

Temperature °F (°C)	316 SS with Viton O - ring				Brass with NBR O - ring			
	SFQC 2	SFQC 3	SFQC 4	SFQC 5	SFQC 2	SFQC 3	SFQC 4	SFQC 5
	Pressure Rating, coupled, psig (bar)							
70 (20)	6000 (413)		4000 (275)		4000 (275)	3000 (206)	2000 (137)	
250 (121)						100 (6.8)		
400 (204)		100 (6.8)						

## Option

### BODY & PLUG PROTECTOR

Body & Plug Protectors guard against damage and contaminants when bodies and plug are uncoupled.

## Insertion Depth

Series	Depth, in (mm)
SFQC2	0.78 (19.8)
SFQC3	0.81 (20.6)
SFQC4	0.90 (23.0)
SFQC5	0.94 (23.9)

Series	Ordering Number	
	Body Protector	Plug Protector
SFQC 2	SFQC2 - BP	SFQC2 - PP
SFQC 3	SFQC3 - BP	SFQC3 - PP
SFQC 4	SFQC4 - BP	SFQC4 - PP
SFQC 5	SFQC5 - BP	SFQC5 - PP

- Components can limit the pressure and temperature ranges of the connector. Please consult BMT (SUPERLOK) sales representative for your specific application.

## Ordering Information

Example :	<b>SFQC4B</b>	-	<b>M</b>	<b>12N</b>	-	<b>B</b>
	<b>1</b>		<b>2</b>	<b>3</b>		<b>4</b>

### 1. Product Series

#### Body

- ☐ SFQC2B
- ☐ SFQC3B
- ☐ SFQC4B
- ☐ SFQC5B

#### Plug

- ☐ SFQC2P
- ☐ SFQC3P
- ☐ SFQC4P
- ☐ SFQC5P

### 2. End Connection

- ☐ **S** = SUPERLOK Tube Fitting
- ☐ **F** = Female Thread
- ☐ **M** = Male Thread

### 3. End Connection Size

#### Tube O.D Designator

Tube O.D (inch)	1/4	3/8	1/2	3/4	1
Designator	4	6	8	12	4
Tube O.D (mm)	6	10	12	20	25
Designator	6M	10M	12M	20M	25M

#### Pipe Thread Designator

Size (inch)	1/4	3/8	1/2	3/4	1
Screw BSPT	4R	6R	8R	12R	16R
Screw NPT	4N	6N	8N	12N	16N
Screw BSPP	4G	6G	8G	12G	16G

### 4. Body Material

- ☐ **(Blank)** = 316 Stainless Steel
- ☐ **B** = Brass

※ For special sizes and configurations, please consult BMT (SUPERLOK) sales representative.





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## Fittings & Valves

### INDUSTRIAL

Instrumentation Tube Fittings

i-Fitting®

Ball/Plug Valves

Double Block & Bleed Valves

Manifold/Gauge Valves

Globe/Needle Valves

Cryogenic Valves

Check/Relief/Excess Flow Valves

High Pressure Valves

### ULTRA HIGH PURITY

Weld & Metal Face Seal Fittings

Bend Fittings

Diaphragm Valves

Bellows Valves

Check Valves

Clean Ball Valves

Regulators

## Electric & Energy

### PRODUCT & SOLUTION

Compact Switchboard

Motor Control Center (MCC)

Smart Distribution Board

Energy Management System (EMS)

### COMPONENTS (BMT PATENTED)

MCBS (Molded Case Busbar System)

MCPD (Molded Case Power Distributor)

Smart-eye (AC/DC Meter)