

# Quick Connectors

- SHQC Series
- SQC Series
- SFQC Series



# Instrumentation Quick Connectors

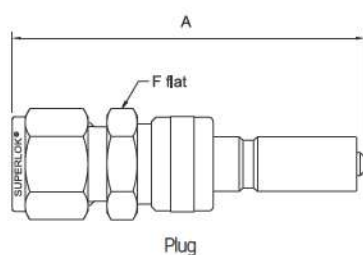
## SQC Series

### Features

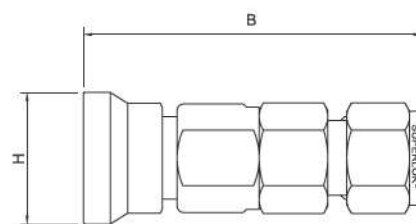
- Simple push-pull action to connect and disconnect lines-no tools required.
- Plug and body are available valved or unvalved. Valves automatically open when connected and shut off when disconnected to minimize the loss of liquids or gases.



### Table of Dimensions



Plug



Body

#### Plug

* Part No.			Cv		End Connection	A		F
			SO	DO	Type	SO	DO	
SQC1P -SO	SQC1P -DO	S2	0.08	0.08	1/8" Superlok		70.4	15.9
		S4			1/4" Superlok		61.5	
		S6M			6mm Superlok			
		M2N	0.4	0.2	1/8" Male NPT		54.1	
		M4N(R)			1/4" Male NPT(PT)		57.9	
		F2N			1/8" Female NPT		52.6	
		F4N(R)			1/4" Female NPT(PT)		58.9	
SQC2P -SO	SQC2P -DO	S6			3/8" Superlok		67.1	19.1
		S10M	1.5	0.5	10mm Superlok		70.4	
		M4N			1/4" Male NPT		61.9	
		M6N(R)	1.6	0.5	3/8" Male NPT(PT)		62.7	22.2
		F4N	1.5	0.5	1/4" Female NPT			
		F6N(R)	1.6	0.5	3/8" Female NPT(PT)			
SQC3P -SO	SQC3P -DO	S8	3.3	1.5	1/2" Superlok		80.3	23.8
		S12M			12mm Superlok			
		M8N(R)	3.1	1.3	1/2" Male NPT(PT)		77.2	
		F8N(R)			1/2" Female NPT(PT)		76.7	

\* SO : Single shutoff type, DO : Double shutoff type

#### Body

Part No.		End Connection	B	H
		Type		
SQC1B	S2	1/8" Superlok	57.4	23.1
	S4	1/4" Superlok		
	S6M	6mm Superlok	58.4	
	M2N	1/8" Male NPT	51.1	
	M4N(R)	1/4" Male NPT(PT)	56.9	
	F2N	1/8" Female NPT		
	F4N(R)	1/4" Female NPT(PT)	61.5	
SQC2B	S6	3/8" Superlok	65.5	26.2
	S10M	10mm Superlok	68.1	
	M4N	1/4" Male NPT	60.5	
	M6N(R)	3/8" Male NPT(PT)		
	F4N	1/4" Female NPT	64.5	
	F6N(R)	3/8" Female NPT(PT)	65.3	
SQC3B	S8	1/2" Superlok	78.5	30.7
	S12M	12mm Superlok		
	M8N(R)	1/2" Male NPT(PT)	75.4	
	F8N(R)	1/2" Female NPT(PT)	81.8	

- 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.

## Materials of Construction

Component	Material
*Body	SS316/A276
*Housing	
*Double shut off stem	
*Double shut off stem retainer	
*Body valve	
*Body insert	
*Single shut off stem retainer	
*O-ring	Viton
*Spring	SS304
Body sleeve	SS316/A276
Plug sleeve	
Locking Balls	

\* Wetted components

## Pressure-Temperature Ratings

Temperature °F (°C)	SQC 1	SQC 2	SQC 3
	Pressure Rating, coupled, psig (bar)		
70 (20)	3000 (206)	1500 (103)	750 (51.6)
400 (204)	250 (17.2)		

• Rating based on 316 stainless steel material with Fluorocarbon FKM O-ring

## Maximum Flow Rate Water at 70°F (20°C)

Series	SQC 1	SQC 2	SQC 3
U.S gal/min	4	6	10
L/min	15	22	37

## Insertion Depth

Series	Depth, in.(mm)	
	SO	DO
SQC 1	1.09(27.7)	1.15(29.2)
SQC 2	1.18(30.0)	1.30(33.0)
SQC 3	1.48(37.6)	1.68(42.7)

## Overall Length

To calculate overall length in the coupled position, subtract the insertion depth from any overall plug and body combination length.

## Spillage

Spillage is the amount of system fluid that escapes when a quick-connect is uncoupled (double shut off only)

Series	Spillage
SQC 1	0.3 cm <sup>3</sup>
SQC 2	1.0 cm <sup>3</sup>
SQC 3	3.0 cm <sup>3</sup>

## Option

### BODY & PLUG PROTECTOR

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

Series	Ordering Number	
	Body Protector	Plug Protector
SQC 1	SQC1 - BP	SQC1 - PP
SQC 2	SQC2 - BP	SQC2 - PP
SQC 3	SQC3 - BP	SQC3 - PP

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

## Ordering Information

<b>Example :</b>	<b>SQC2P</b>	<b>-</b>	<b>S</b>	<b>6</b>	<b>-</b>	<b>DO</b>	<b>-</b>	<b>B</b>
	<u>1</u>		<u>2</u>	<u>3</u>		<u>4</u>		<u>5</u>

### 1. Product Series

#### Body

- ☐ SQC1B
- ☐ SQC2B
- ☐ SQC3B

#### Plug

- ☐ SQC1P
- ☐ SQC2P
- ☐ SQC3P

### 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
Designator	4	6	8
Tube O.D (mm)	6	10	12
Designator	6M	10M	12M

#### Pipe Thread Designator

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

### 4. Plug Type

- ☐ SO = Single Shutoff Type
- ☐ DO = Double Shutoff Type

### 5. 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)