

Instrumentation Quick Connectors

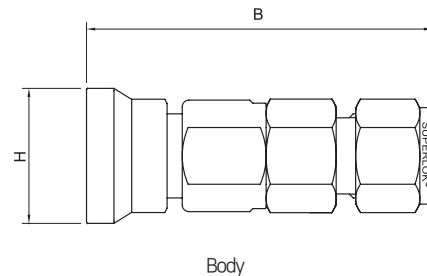
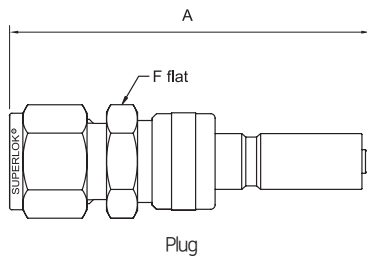
SQC Series

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

* 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	0.4	0.2	1/4" Superlok		61.5				
		S6M			6mm Superlok		54.1				
		M2N			1/8" Male NPT		57.9				
		M4N(R)			1/4" Male NPT(PT)		52.6				
		F2N			1/8" Female NPT		58.9				
		F4N(R)			1/4" Female NPT(PT)		19.1				
SQC2P -SO	SQC2P -DO	S6			1.5	0.5	3/8" Superlok		67.1		19.1
		S10M	10mm Superlok				70.4				
		M4N	1/4" Male NPT				61.9				
		M6N(R)	1.6	0.5			3/8" Male NPT(PT)		62.7		
		F4N	1.5	0.5			1/4" Female NPT		22.2		
		F6N(R)	1.6	0.5			3/8" Female NPT(PT)		27.0		
SQC3P -SO	SQC3P -DO	S8	3.3	1.5	1/2" Superlok		80.3		23.8		
		S12M			12mm Superlok		77.2				
		M8N(R)	3.1	1.3	1/2" Male NPT(PT)		76.7				
		F8N(R)			1/2" Female NPT(PT)		27.0				

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

Body

Part No.		End Connection		B	H
		Type			
SQC1B	S2	1/8" Superlok		57.4	
	S4	1/4" Superlok		58.4	
	S6M	6mm Superlok		51.1	
	M2N	1/8" Male NPT		56.9	
	M4N(R)	1/4" Male NPT(PT)		61.5	
	F2N	1/8" Female NPT		65.5	
	F4N(R)	1/4" Female NPT(PT)		68.1	
SQC2B	S6	3/8" Superlok		60.5	
	S10M	10mm Superlok		64.5	
	M4N	1/4" Male NPT		65.3	
	M6N(R)	3/8" Male NPT(PT)		78.5	
	F4N	1/4" Female NPT		75.4	
SQC3B	F6N(R)	3/8" Female NPT(PT)		81.8	
	S8	1/2" Superlok		30.7	
	S12M	12mm Superlok		75.4	
	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	
*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 ³
SQC 2	1.0 cm ³
SQC 3	3.0 cm ³

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

Ordering Information

Example :	SQC2P	-	S	6	-	DO	-	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
Screwed BSPT	2R	4R	6R	8R
Screwed 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