

Instrumentation Quick Connectors

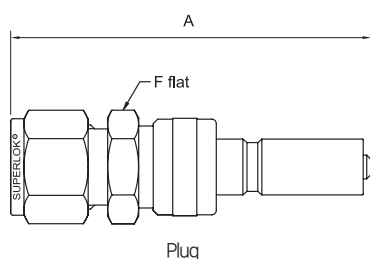
SQC Series

Features

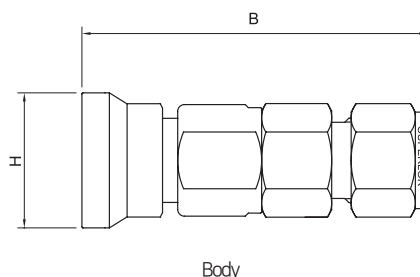
- Simple push-pull action to connect and disconnect lines-no tools required.
- Plug and body are available valved or unvalved. Valves automatically open when connected and shut off when disconnected to minimize the loss of liquids or gases.



Table of Dimensions



Plug



Body

Plug

* Part No.			Cv		End Connection	A		F
			SO	DO	Type	SO	DO	
SQC1P -SO	SQC1P -DO		0.08	0.08	1/8" Superlok		70.4	15.9
					1/4" Superlok		61.5	
					6mm Superlok			
			0.4	0.2	1/8" Male NPT		54.1	
					1/4" Male NPT(PT)		57.9	
					1/8" Female NPT		52.6	
					1/4" Female NPT(PT)		58.9	
SQC2P -SO	SQC2P -DO		1.5	0.5	3/8" Superlok		67.1	19.1
					10mm Superlok		70.4	
					1/4" Male NPT		61.9	
			1.6	0.5	3/8" Male NPT(PT)			
			1.5	0.5	1/4" Female NPT		62.7	
			1.6	0.5	3/8" Female NPT(PT)			
SQC3P -SO	SQC3P -DO		3.3	1.5	1/2" Superlok		80.3	23.8
					12mm Superlok			
					1/2" Male NPT(PT)		77.2	
			3.1	1.3	1/2" Female NPT(PT)		76.7	

Body

Part No.		End Connection	B	H
		Type		
SQC1B		1/8" Superlok	57.4	23.1
		1/4" Superlok		
		6mm Superlok	58.4	
		1/8" Male NPT	51.1	
		1/4" Male NPT(PT)		
		1/8" Female NPT	56.9	
		1/4" Female NPT(PT)	61.5	
SQC2B		3/8" Superlok	65.5	26.2
		10mm Superlok	68.1	
		1/4" Male NPT		
		3/8" Male NPT(PT)	60.5	
		1/4" Female NPT	64.5	
		3/8" Female NPT(PT)	65.3	
SQC3B		1/2" Superlok		30.7
		12mm Superlok	78.5	
		1/2" Male NPT(PT)	75.4	
		1/2" Female NPT(PT)	81.8	

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

- 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 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



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