

# Instrumentation Quick-Connects

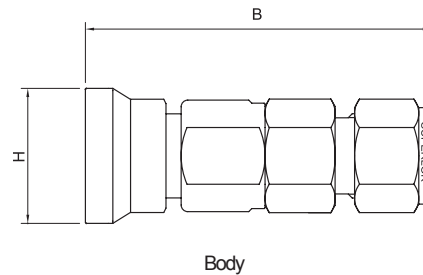
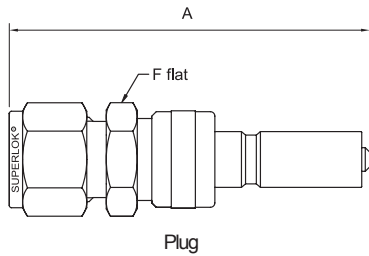
## SQC SERIES

### 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 Number		Cv	End Connection		A		F		
			SO	DO	SO	DO			
SQC1P -SO	SQC1P -DO	0.08	0.08	0.4	0.2	S2	1/8" Superlok	70.4	15.9
						S4	1/4" Superlok	61.5	
						S6M	6mm Superlok	61.5	
						M2N	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	1.5	0.5	1.6	0.5	S6	3/8" Superlok	67.1	19.1
						S10M	10mm Superlok	70.4	
						M4N	1/4" Male NPT	61.9	
						M6N(R)	3/8" Male NPT(PT)	62.7	
						F4N	1/4" Female NPT		
						F6N(R)	3/8" Female NPT(PT)	22.2	
SQC3P -SO	SQC3P -DO	3.3	1.5	3.1	1.3	S8	1/2" Superlok	80.3	23.8
						S12M	12mm Superlok	77.2	
						M8N(R)	1/2" Male NPT(PT)		
						F8N(R)	1/2" Female NPT(PT)	76.7	

### Body

Part Number		End Connection	B	H
SQC1B	S2	1/8" Superlok	57.4	23.1
	S4	1/4" Superlok	58.4	
	S6M	6mm Superlok		
	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	75.4	
	M8N(R)	1/2" Male NPT(PT)		
	F8N(R)	1/2" Female NPT(PT)	81.8	

- SO : Single shut-off type
- DO : Double shut-off type

## 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	

## Pressure-Temperature Ratings

Temperature °F (°C)	316 SS with Fluorocarbon FKM O-ring		
	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)		

## 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 bodies and plugs 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 - SS

1                      2      3                      4                      5

### 1. Body Series

SQC1B  
SQC2B  
SQC3B

### Plug Series

SQC1P  
SQC2P  
SQC3P

### 2. End Connection

S : SUPERLOK Tube Fitting  
F : Female Thread  
M : Male Thread

### 3. End Connection Size

#### Tube O.D Designation

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

#### Pipe Thread Designation

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 Shut-off Type  
DO : Double Shut-off Type

### 5. Body Material

SS : 316 Stainless Steel  
B : Brass