

# INSTRUMENTATION QUICK-CONNECTS

## SQC Series



### FEATURES

- Durable ball-locking mechanism assures reliable connection while distributing the load and providing alignment and swiveling action.
- 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.

### MATERIALS OF CONSTRUCTION

Component	Material
Body	316 SS
Housing	
Double shut off stem	
Double shut off stem retainer	
Body valve	
Body insert	
Single shut off stem retainer	
O-ring	Viton
Spring	304 SS
Body sleeve	316 SS
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)		

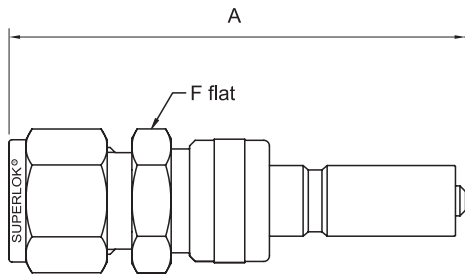
### MAXIMUM FLOW RATE

water at 70 °F (20 °C)

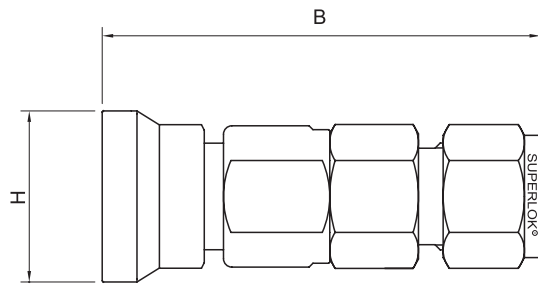
Series	SQC 1	SQC 2	SQC 3
U.S gal/min	4	6	10
L/min	15	22	37

# ORDERING INFORMATION AND DIMENSION

## SQC SERIES



Plug



Body

### DIMENSIONS

Ordering Number		Cv		End Connection		A		F		
Plug Series		Part no.	SO	DO	Type	SO	DO			
SO	DO									
SQC1- SO-PG	SQC1- DO-PG	S	2	0.08	0.08	1/8" Superlok	58.9	70.4	15.9	
			4			1/4" Superlok	59.9	61.5		
			6M			6mm Superlok				
		M	2N	0.2	0.4	1/8" Male NPT	52.6	54.1		
			4N(R)			1/4" Male NPT(PT)	56.4	57.9		
			2N			1/8" Female NPT	51.1	52.6		
		F	4N(R)			1/4" Female NPT(PT)	57.4	58.9		19.1
SQC2- SO-PG	SQC2- DO-PG	S	6	0.5	1.5	3/8" Superlok	64.0	67.1	19.1	
			10M			10mm Superlok	67.3	70.4		
			4N			1/4" Male NPT	58.9	61.9		
		M	6N(R)	0.5	1.6	3/8" Male NPT(PT)				
			4N	0.5	1.5	1/4" Female NPT	59.7	62.7		
			6N(R)	0.5	1.6	3/8" Female NPT(PT)				22.2
SQC3- SO-PG	SQC3- DO-PG	S	8	1.5	3.3	1/2" Superlok	75.2	80.3	23.8	
			12M			12mm Superlok				
		M	8N(R)	1.3	3.1	1/2" Male NPT(PT)	72.1	77.2		
			F			8N(R)	1/2" Female NPT(PT)	71.6		76.7

### DIMENSIONS

Ordering Number		End Connection		B	H
Body Series	Part no.	Type			
SQC1-BY	S	2	1/8" Superlok	57.4	23.1
		4	1/4" Superlok	58.4	
		6M	6mm Superlok		
	M	2N	1/8" Male NPT	51.1	
		4N(R)	1/4" Male NPT(PT)	54.9	
	F	2N	1/8" Female NPT	61.5	
	4N(R)	1/4" Female NPT(PT)	61.5		
SQC2-BY	S	6	3/8" Superlok	65.5	26.2
		10M	10mm Superlok	68.1	
		4N	1/4" Male NPT	60.5	
	M	6N(R)	3/8" Male NPT(PT)	64.5	
		4N	1/4" Female NPT	64.5	
		6N(R)	3/8" Female NPT(PT)	65.3	
SQC3-BY	S	8	1/2" Superlok	78.5	30.7
		12M	12mm Superlok	75.4	
	M	8N(R)	1/2" Male NPT(PT)	81.8	
	F	8N(R)	1/2" Female NPT(PT)	81.8	

- SO : Single shutoff type
- DO : Double shutoff type

### 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

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>

### SPILLAGE

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