



Quick - connects

SQC Series, SFQC Series



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INSTRUMENTATION QUICK - CONNECTS

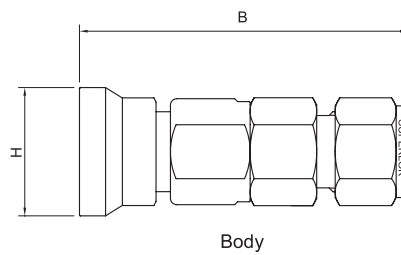
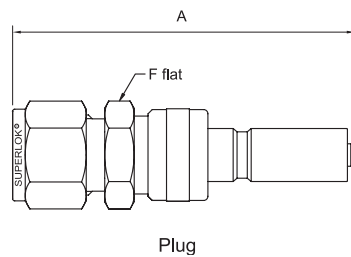
SQC SERIES



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



Unit : mm

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Ordering Number		Cv		End Connection		A		F	Ordering Number		End Connection		B	H	
Plug Series	Part no.	SO	DO	Type	SO	DO	Body Series		Part no.	Type					
SO	DO														
SQC1- SO-PG	SQC1- DO-PG	S	2	0.08	0.08	1/8" Superlok	70.4	15.9	SQC1-BY	S	2	1/8" Superlok	57.4	23.1	
			4			1/4" Superlok	61.5				4	1/4" Superlok	58.4		
			6M			6mm Superlok					6M	6mm Superlok			
	M	2N	0.4	0.2	1/8" Male NPT	54.1	M			2N	1/8" Male NPT	51.1			
		4N(R)			1/4" Male NPT(PT)	57.9				4N(R)	1/4" Male NPT(PT)	56.9			
		F			2N	1/8" Female NPT				52.6	F	2N	1/8" Female NPT		
4N(R)	1/4" Female NPT(PT)		58.9	4N(R)	1/4" Female NPT(PT)	61.5									
SQC2- SO-PG	SQC2- DO-PG	S	6	1.5	0.5	3/8" Superlok	67.1	19.1	SQC2-BY	S	6	3/8" Superlok	65.5	26.2	
			10M			10mm Superlok	70.4				10M	10mm Superlok	68.1		
			4N			1/4" Male NPT	61.9				4N	1/4" Male NPT	60.5		
	M	6N(R)	1.6	0.5	3/8" Male NPT(PT)		M			6N(R)	3/8" Male NPT(PT)	60.5			
		F	4N	1.5	0.5	1/4" Female NPT				62.7	F	4N	1/4" Female NPT		64.5
			6N(R)	1.6	0.5	3/8" Female NPT(PT)				22.2		6N(R)	3/8" Female NPT(PT)		65.3
SQC3- SO-PG	SQC3- DO-PG	S	8	3.3	1.5	1/2" Superlok	80.3	23.8	SQC3-BY	S	8	1/2" Superlok	78.5	30.7	
			12M			12mm Superlok						12M			12mm Superlok
	M	8N(R)	3.1	1.3	1/2" Male NPT(PT)	77.2	M			8N(R)	1/2" Male NPT(PT)	75.4			
		F			8N(R)	1/2" Female NPT(PT)				76.7	F	8N(R)	1/2" Female NPT(PT)		81.8

• SO : Single shutoff type • DO : Double shutoff type

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		

INSERTION DEPTH

Series	Depth, in.(mm)	
	SO	DO
SQC - 01	1.09(27.7)	1.15(29.2)
SQC - 02	1.18(30.0)	1.30(33.0)
SQC - 03	1.48(37.6)	1.68(42.7)

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

ORDERING INFORMATION

SQC - DO - PG - S - 6 - SS

1
2
3
4

1 Body Series

SQC1 - BY
SQC2 - BY
SQC3 - BY

Plug Series

SQC1 - SO - PG / SQC1 - DO - PG
SQC2 - SO - PG / SQC2 - DO - PG
SQC3 - SO - PG / SQC3 - DO - PG
• SO : Single shutoff type • DO : Double shutoff type

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 Body Material

SS : 316 Stainless Steel
B : Brass

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

OVERALL LENGTH

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

OPTION

BODY & PLUG PROTECTOR

Body & Plug Protectors guard against damage and contaminants when bodies 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