

Quick - connects

SQC Series, SFQC Series



INSTRUMENTATION QUICK - CONNECTS

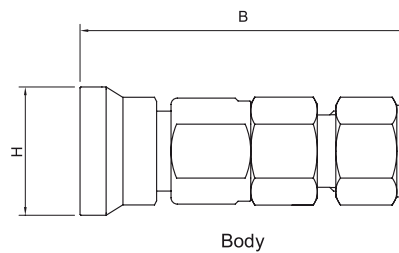
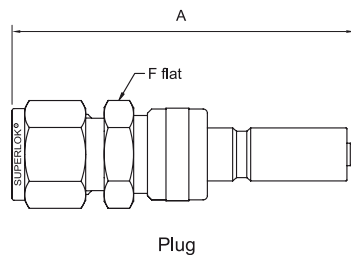
SQC SERIES



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

Unit : mm

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			
	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			
		8N(R)			1/2" Female NPT(PT)	76.7				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

LOK-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

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

- 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

FULL FLOW QUICK - CONNECTS

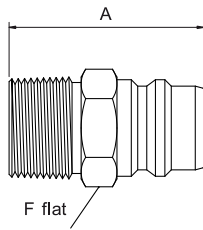
SFQC SERIES



FEATURES

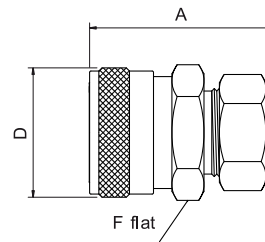
- Proven ball - lock mechanism provides positive connection.
- Simple push - pull action to connect and disconnect lines - no tools required.
- Compact coupling offers full without orifice restrictions.
- O-ring is easily replaced without disassembling body.

TABLE OF DIMENSIONS



Plug

Unit : mm



Body

Unit : mm

Ordering Number		End Connection		Cv	Min Orifice	A	F		
Body Series	Part no.	Type	Type						
SFQC2-PG	S	4	1/4 " Superlok	2.2	4.8	45.0	14.3		
	S	6	3/8 " Superlok	2.8			17.5		
	M	4N(R)	1/4 " Male NPT	1.7	6.1	40.4	14.3		
	M	6N(R)	3/8 " Male NPT(PT)				17.5		
	M	4G	1/4 " Male PF			40.6	19.1		
	F	4N(R)	1/4 " Female NPT(PT)			42.4	22.2	40.6	19.1
	F	6N(R)	3/8 " Female NPT(PT)						
	F	4G	1/4 " Female PF						

Ordering Number		End Connection		Min Orifice	A	D	F	
Body Series	Part no.	Type	Type					
SFQC2-BY	S	4	1/4 " Superlok	4.8	45.7	22.2	17.5	
	S	6	3/8 " Superlok	7.1	46.0			
	M	4N(R)	1/4 " Male NPT	6.4	40.0		19.1	
	M	6N(R)	3/8 " Male NPT(PT)	9.4	45.7			
	M	4G	1/4 " Male PF	6.1	45.7		38.1	22.2
	F	4N(R)	1/4 " Female NPT(PT)	9.7	41.4			
	F	6N(R)	3/8 " Female NPT(PT)					
	F	4G	1/4 " Female PF					

Dimensions are for refrence only and are subject to change.

FULL FLOW QUICK - CONNECTS

SFQC SERIES

MATERIALS OF CONSTRUCTION

Component	Material	
	316 SS	Brass
Body	316 SS	Brass
Sleeve		
Locking ball		
Spring	Viton	NBR
Sanp ring		
O - ring	316 SS	Brass
Plug		

PRESSURE-TEMPERATURE RATINGS

Temperature °F (°C)	316 SS with Viton O - ring				Brass with NBR O - ring			
	SFQC 2	SFQC 3	SFQC 4	SFQC 5	SFQC 2	SFQC 3	SFQC 4	SFQC 5
	Pressure Rating, coupled, psig (bar)							
70 (20)	6000 (413)		4000 (275)		4000 (275)	3000 (206)		2000 (137)
250 (121)						100 (6.8)		
400 (204)					100 (6.8)			

INSERTION DEPTH

Series	Depth, in (mm)
SFQC2	0.78 (19.8)
SFQC3	0.81 (20.6)
SFQC4	0.90 (23.0)
SFQC5	0.94 (23.9)

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
SFQC 2	SFQC2 - BP	SFQC2 - PP
SFQC 3	SFQC3 - BP	SFQC3 - PP
SFQC 4	SFQC4 - BP	SFQC4 - PP
SFQC 5	SFQC5 - BP	SFQC5 - PP

ORDERING INFORMATION

LOK-SQC4 - BY - M - 12N - SS

1 2 3 4

- 1** **Body Series** **Plug Series**
 SFQC2 - BY SFQC2 - PG
 SFQC3 - BY SFQC3 - PG
 SFQC4 - BY SFQC4 - PG
 SFQC5 - BY SFQC5 - PG

- 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	3/4	1
Designation	4	6	8	12	4
Tube O.D (mm)	6	10	12	20	25
Designation	6M	10M	12M	20M	25M

- Pipe Thread Designation

Size (inch)	1/4	3/8	1/2	3/4	1
Screwed BSPT	4R	6R	8R	12R	16R
Screwed NPT	4N	6N	8N	12N	16N
Screwed BSPP	4G	6G	8G	12G	16G

- 4** **Body Material**
 SS : 316 Stainless Steel
 B : Brass


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