



Quick - connects

SQC Series, SFQC Series



INSTRUMENTATION QUICK - CONNECTS

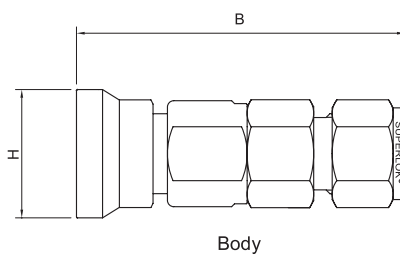
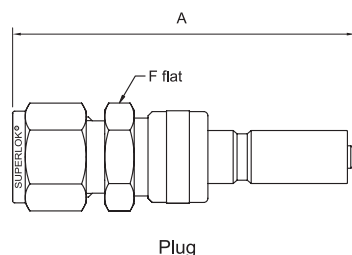
SQC SERIES



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		
		M	4N			1/4 " Male NPT		61.9			M	4N	1/4 " Male NPT	60.5					
			6N(R)	1.6	0.5	3/8 " Male NPT(PT)						6N(R)	3/8 " Male NPT(PT)						
		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
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

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

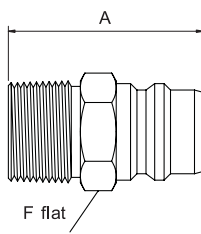
SFQC SERIES



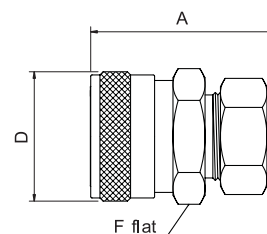
FEATURES

- 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



Body

Unit : mm

Unit : mm

Ordering Number			End Connection	Cv	Min Orifice	A	F	
Body Series	Part no.		Type					
SFQC2-PG	S	4	1/4 " Superlok	2.2	4.8	45.0	14.3	
	S	6	3/8 " Superlok	2.8	6.1		17.5	
	M	4N(R)	1/4 " Male NPT	1.7		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)				22.2	
	F	6N(R)	3/8 " Female NPT(PT)				19.1	
	F	4G	1/4 " Female PF					
SFQC3-PG	S	6	3/8 " Superlok	2.9		7.1	47.8	22.2
	S	8	1/2 " Superlok	13.0	10.4	50.5		
	M	6N(R)	3/8 " Male NPT(PT)	7.1	10.4	41.9		
	M	8N(R)	1/2 " Male NPT(PT)	11.5	12.7	46.7		
	M	8G	1/2 " Male PF	11.5	12.7	46.2	27.0	
	F	6N(R)	3/8 " Female NPT(PT)	7.1		11.9		40.4
	F	8N(R)	1/2 " Female NPT(PT)	11.5		46.2		
	F	8G	1/2 " Female PF	11.5				
SFQC4-PG	S	12	3/4 " Superlok	26.0	15.7	54.6	27.0	
	M	12N(R)	3/4 " Male NPT(PT)	23.6	18.3	51.6		
	F	12N(R)	3/4 " Female NPT(PT)			52.8		33.3
SFQC5-PG	S	16	1 " Superlok	45.0	22.4	62.2	34.9	
	M	16N(R)	1 " Male NPT(PT)	39.0		59.7		
	F	16N(R)	1 " Female NPT(PT)			63.2		41.3

Ordering Number			End Connection		Min Orifice	A	D	F
Body Series	Part no.		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			
	M	4G	1/4 " Male PF		6.1	45.7	22.2	
	F	4N(R)	1/4 " Female NPT(PT)		9.7	38.1		
	F	6N(R)	3/8 " Female NPT(PT)			41.4	19.1	
	F	4G	1/4 " Female PF		38.1			
SFQC3-BY	S	6	3/8 " Superlok		7.1	55.1	33.0	27.0
	S	8	1/2 " Superlok		11.9	56.6		
	M	6N(R)	3/8 " Male NPT(PT)		10.4	46.5		
	M	8N(R)	1/2 " Male NPT(PT)		12.7	52.8		
	M	8G	1/2 " Male PF		11.9	43.9		
	F	6N(R)	3/8 " Female NPT(PT)		15.0			
	F	8N(R)	1/2 " Female NPT(PT)		16.0			
	F	8G	1/2 " Female PF					
SFQC4-BY	S	12	3/4 " Superlok		15.7	62.2	42.6	38.1
	M	12N(R)	3/4 " Male NPT(PT)		18.3	59.2		
	F	12N(R)	3/4 " Female NPT(PT)		22.4	48.0		
SFQC5-BY	S	16	1 " Superlok		22.4	70.0	49.0	44.5
	M	16N(R)	1 " Male NPT(PT)			67.3		
	F	16N(R)	1 " Female NPT(PT)			53.8		

Dimensions are for reference 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		
Sanp ring		
O - ring	Viton	NBR
Plug	316 SS	Brass

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

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



Valve Series

- Key Operation Ball Valves
- Key Operation Needle Valves
- Ball Valves
- Integral Bonnet Needle Valves
- Union Bonnet Needle Valves
- Check Valves
- High Pressure Check Valves
- High Pressure Needle Valves
- Plug Valves
- Manifold Valves
- Vacuum Clamps
- Water Regulators
- Flexible Hoses
- Double Block & Bleed Valves
- Swing-Out Ball Valves
- Toggle Valves
- Bleed & Purge Valves
- Quick Connectors
- High Pressure Ball Valves
- Hydraulic Ball Valves
- Trunnion Ball Valves
- Rising Plug Valves
- Relief Valves
- Cryogenic Needle Valves
- Cryogenic Ball Valves
- Micron in-Line Filters
- Gauge Root Valves
- Hydraulic Flange and Components

Fitting Series

- Tube Fittings (Compression Type)
- Instrument Thread Fittings
- Forged Fittings
- Bite Type Tube Fittings (DIN2353)
- Bite Type Tube Fittings (JIS B2351)
- 37° Flared Tube Fittings (SAE J514)
- O-Ring Face Seal Fittings
- Hose Connectors & Push-On Hose Fittings

Electric

- MCPD(Molded Case Power Distributor)



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