

BMT

FLUID COMPONENTS
NORTH AMERICA



INSTRUMENTATION QUICK-CONNECTS

QUALITY, VALUE AND INNOVATION.



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INSTRUMENTATION QUICK-CONNECTS

SQC Series

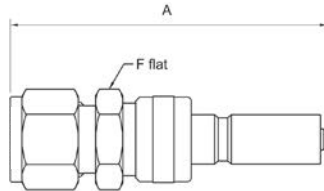
Features

- 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.



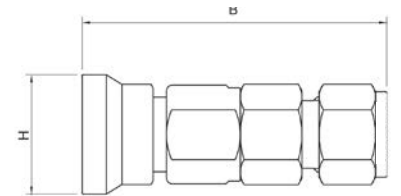
Table Dimensions

Plug



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

Body



Part Number	End Connection		B	H
	Type			
SQC1B	S2	1/8" Superlok	57.4	23.1
	S4	1/4" Superlok	58.4	
	S6M	6mm Superlok	58.4	
	M2N	1/8" Male NPT	51.1	
	M4N(R)	1/4" Male NPT(PT)	56.9	
	F2N	1/8" Female NPT	56.9	
	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)	60.5	
	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	78.5	
	M8N(R)	1/2" Male NPT(PT)	75.4	
	F8N(R)	1/2" Female NPT(PT)	81.8	

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

*All dimensions in millimeters unless specified as "inch". Dimension are for reference only, subject to change.

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	
Spring	SS304
Body sleeve	SS316/A276
Plug sleeve	
Locking Balls	

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)

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

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 plugs are uncoupled.

Series	Ordering Number	
	Body Protector	
SQC 1	SQC1 - BP	SQC1 - PP
SQC 2	SQC2 - BP	SQC2 - PP
SQC 3	SQC3 - BP	SQC3 - PP

Ordering Information

Example: **CQC2P** - **S** **6** - **DO** - **SS**

1
2
3
4
5

1. Body Series

SQC1B
SQC2B
SQC3B

Plug Series

SQC1P
SQC2P
SQC3P

2. Port Type

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

OTHER PRODUCTS



Superlok Tube Fittings

High quality dual and single ferrule Tube fittings for the most reliable tube connections. Our tube fitting are available in a broad range of sizes, materials and configurations.



Valves

A full range of instrument ball valves, needle valves, check valves and relief valves. Our instrument valves are available in multiple configurations, end connection sizes and materials.



Tubing

High quality stainless steel and exotic alloy tubing for industrial process and instrumentation. We proudly represent Alleima (Sandvik), the world leader in development of stainless steels and advanced alloys for industry.



UHP Fittings & Valves

Ultra-High Purity fittings & valves are used to connect tubing in industries that require extremely clean and contaminant-free systems. The process involves electro-polishing and ultrasonic cleaning with deionized water.

Unmatched PERFORMANCE & RELIABILITY

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