

**QC Series Quick Connectors**



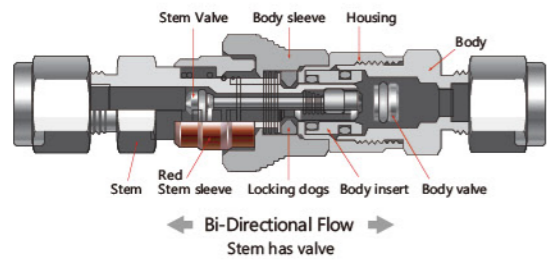
**Features**

- Working Pressure up to: 3000 psig(207 bar)
- Bi-directional flow design.
- Simple to operate.
- No tools required to couple and uncouple.
- Compact and light-weight design
- SS316, Hastelloy material

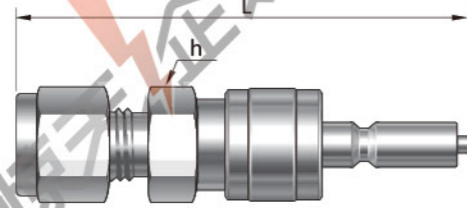
**Materials of Construction**

Component	Material
	<b>SS316</b>
Body, Housing Body valve Body insert Body sleeve	SS316 / ASTM A276
Stem Stem sleeve Stem valve	SS316 / ASTM A276
o-rings	FKM
Springs	SS302/ASTM A313
Lubricants	Silicon and TFE based

Wetted parts indicated in blue.

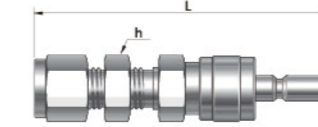


**Ordering Information and Dimensions Stems**



Series	Basic Ordering Number	End Connection	Cv	Full Flow	L mm (in.)	h Hex. in.
QC-	S-N-2T	1/8" NAI-LOK	0.08	0.08	70.4 (2.77)	5/8
	S-N-4T	1/4" NAI-LOK	0.2	0.4	61.5 (2.42)	5/8
	S-N-6M	6 mm NAI-LOK	0.2	0.4	61.5 (2.42)	5/8
	S-M-2N	1/8" Male NPT	0.2	0.4	54.1 (2.13)	5/8
	S-M-4N	1/4" Male NPT	0.2	0.4	57.9 (2.28)	5/8
	S-F-2N	1/8" Female NPT	0.2	0.4	52.6 (2.07)	5/8
	S-F-4N	1/4" Female NPT	0.2	0.4	58.9 (2.32)	3/4
	S-N-6T	3/8" NAI-LOK	0.5	1.5	67.1 (2.64)	3/4
	S-N-10M	10 mm NAI-LOK	0.5	1.5	70.4 (2.77)	3/4
	S-M-6N	3/8" Male NPT	0.5	1.6	62.7 (2.47)	3/4
	S-F-6N	3/8" Female NPT	0.5	1.6	62.7 (2.47)	7/8
	S-N-8T	1/2" NAI-LOK	1.5	3.3	80.3 (3.16)	15/16
	S-N-12M	12 mm NAI-LOK	1.5	3.3	60.3 (3.16)	15/16
	S-M-8N	1/2" Male NPT	1.3	3.1	77.2 (3.04)	15/16
	S-F-8N	1/2" Female NPT	1.3	3.1	76.7 (3.02)	1 1/16

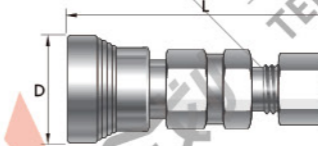
**Ordering Information and Dimensions Stems-Bulkhead**



Series	Basic Ordering Number	End Connection	Panel Thickness Max. mm (in.)	Panel Hole Dia. Min. mm (in.)	L mm(in.)	h Hex. in.
QC-	SB-N-4T	1/4" NAI-LOK	6.4 (0.25)	11.9 (15/32)	71.1 (2.80)	5/8
	SB-N-6M	6 mm NAI-LOK	6.4 (0.25)	11.5 (29/64)	71.1 (2.80)	16 mm
	SB-N-6T	3/8" NAI-LOK	6.9 (0.27)	15.1 (19/32)	76.0 (3.07)	3/4
	SB-N-10M	10 mm NAI-LOK	6.9 (0.27)	16.7 (21/32)	78.7 (3.10)	22 mm
	SB-N-8T	1/2" NAI-LOK	6.6 (0.26)	19.8 (25/32)	92.2 (3.63)	15/16
	SB-N-12M	12 mm NAI-LOK	6.6 (0.26)	19.4 (49/64)	92.2 (3.63)	24 mm

All dimensions shown are for reference only and are subjects to change.

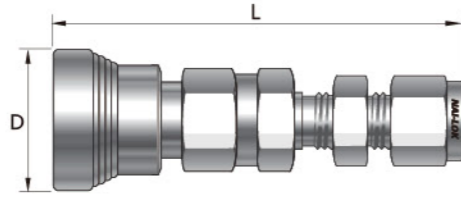
**Ordering Information and Dimensions Bodies**



Series	Basic Ordering Number	End Connection	L mm (in.)	D mm (in.)
QC-	B-N-2T	1/8" NAI-LOK	57.4 (2.26)	23.1 (0.91)
	B-N-4T	1/4" NAI-LOK	56.4 (2.30)	23.1 (0.91)
	B-N-6M	6 mm NAI-LOK	58.4 (2.30)	23.1 (0.91)
	B-M-2N	1/8" Male NPT	51.1 (2.01)	23.1 (0.91)
	B-M-4N	1/4" Male NPT	54.9 (2.16)	23.1 (0.91)
	B-M-4R	1/4" Male ISO	54.9 (2.16)	23.1 (0.91)
	B-F-2N	1/8" Female NPT	54.9 (2.16)	23.1 (0.91)
	B-F-4N	1/4" Female NPT	61.5 (2.42)	23.1 (0.91)
	B-F-4R	1/4" Female ISO	61.5 (2.42)	23.1 (0.91)
	B-N-6T	3/8" NAI-LOK	65.5 (2.58)	26.2 (1.03)
	B-N-10M	10 mm NAI-LOK	68.1 (2.68)	26.2 (1.03)
	B-M-6N	3/8" Male NPT	60.5 (2.38)	26.2 (1.03)
	B-M-6R	3/8" Male ISO	60.5 (2.38)	26.2 (1.03)
	B-F-6N	3/8" Female NPT	65.3 (2.57)	26.2 (1.03)
	B-F-6R	3/8" Female ISO	65.3 (2.57)	26.2 (1.03)
	B-N-8T	1/2" NAI-LOK	78.5 (3.09)	30.7 (1.21)
	B-N-12M	12 mm NAI-LOK	78.5 (3.09)	30.7 (1.21)
	B-M-8N	1/2" Male NPT	75.4 (2.97)	30.7 (1.21)
	B-M-8R	1/2" Male ISO	75.4 (2.97)	30.7 (1.21)
	B-F-8N	1/2" Female NPT	81.8 (3.22)	30.7 (1.21)
	B-F-8R	1/2" Female ISO	81.8 (3.22)	30.7 (1.21)

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**Ordering Information and Dimensions Stems-Bulkhead**



Series	Basic Ordering Number	End Connection	Panel Thickness Max.	Panel Hole Dia. Min.	L	D
			mm (in.)			
QC-	BD-N-4T	1/4" NAI-LOK	6.4 (0.25)	11.9 (15/32)	67.8 (2.67)	23.1 (0.91)
	BD-N-6M	6 mm NAI-LOK	6.4 (0.25)	11.9 (15/32)	67.8 (2.67)	23.1 (0.91)
	BD-N-6T	3/8" NAI-LOK	6.9 (0.27)	15.1 (19/32)	75.7 (2.98)	26.2 (1.03)
	BD-N-10M	10 mm NAI-LOK	6.9 (0.27)	16.7 (21/32)	75.9 (2.99)	26.2 (1.03)
	BD-N-8T	1/2" NAI-LOK	6.6 (0.26)	19.8 (25/32)	90.4 (3.56)	30.7 (1.21)
	BD-N-12M	12 mm NAI-LOK	6.6 (0.26)	19.4 (49/64)	90.4 (3.56)	30.7 (1.21)

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**Ordering Information**

Example: **QCBD - N-4T - SS**  
 1            2            3

**1. Valve Series**

QC

**2. End Connection**

N= NAI-LOK Tube Fitting  
 F= Female Thread  
 M= Male Thread

**3. Body Material**

SS= SS316  
 HC= Hastelloy



**Features**

- Sizes from 10 to 3785 cm<sup>3</sup> (1 gal)
- Working pressures up to 5000 psig (344 bar)
- 304L, 316L stainless steel, Hastelloy, Monel upon request
- Body made of seamless tubing provides consistent wall thickness size and capacity
- All double-ended cylinders are hydrostatically tested to at least 5/3 times the working pressure

**Sampling Assemblies, Sample Cylinders and Accessories**

Accessories, such as valves, relief devices, outage tubes, carrying handles, caps and plugs available

**Options for Internal Cylinder Surface Treatments**

**PTFE Coating**

The internal cylinder surface can be coated with PTFE to provide a nonstick surface for easy cleaning.

**Electropolishing**

Electropolishing can provide a clean internal surface with a high degree of passivation.

**Special Application Sample Cylinder**

Sulfinert coated sample cylinders available, Sulfinert coating to provide stable storage of sulfur and mercury compounds at ppb levels in petroleum samples for a long time.

To order Sulfinert coated products, please add -SI as a suffix to the standard ordering number.

**Overpressure Protection**

Cylinders for compressed air must be equipped with pressure relief devices.

**Pressure-Temperature Ratings**

Material	316L SS	304L SS	Alloy 400
Specification	Double-Ended 5000	Double-Ended 1800	Double-Ended 1800
Temperature, °F (°C)	Working Pressure, psig (bar)		
-65 (-53) to 100 (37)	5000 (344)	1800 (124)	1800 (124)
200 (93)	3960 (272)	1360 (93.7)	1580 (108)
300 (148)	3570 (245)	1230 (84.7)	1490 (102)
400 (204)	3290 (226)	1130 (77.8)	1430 (98.5)
500 (260)	3060 (210)	1050 (72.3)	1420 (97.8)
600 (315)	2920 (201)	1000 (68.9)	1420 (97.8)
650 (343)	2870 (197)	980 (67.5)	1420 (97.8)
700 (371)	2810 (193)	970 (66.8)	1420 (97.8)
750 (398)	2750 (189)	950 (65.4)	1410 (97.1)
800 (426)	2700 (186)	930 (64.0)	—
850 (454)	2640 (181)	—	—