

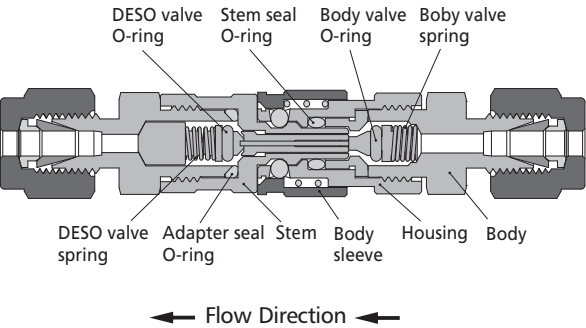
QM Series

Features

- Maximum working pressure: 4000 psig (276 bar)
- Working temperatures: -10°F to 400°F (-23°C to 204°C)
- Single-end shutoff, double-end shutoff, and full-flow available.
- Quick, easy operation

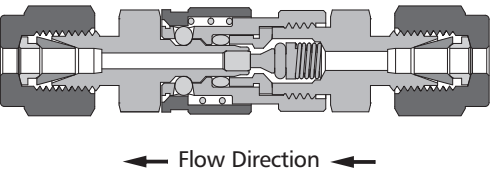
Double-end Shutoff (DESO)

DESO stem + body



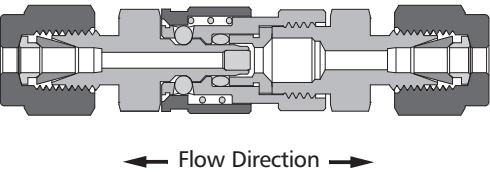
Single-end Shutoff (SESO)

SESO stem + body



Full-flow Quick-connects

SESO stem + full-flow body



Standard Materials of Construction

Component	Material	
	316 SS	Brass
Body, body insert, DESO adapter, stem, body valve, DESO valve, housing	316 SS	Brass C36000
SESO stem insert, valve stop		Brass C26000
DESO stem fin, springs	316 SS	
O-ring	Fluorocarbon FKM	Buna N
Sleeve	316 SS	Brass C36000
Locking balls, snap rings	316 SS	
Lubricants	Silicone-and PTFE-based	

Pressure -Temperature Ratings

Temperature °F(°C)	316 SS with Fluorocarbon FKM O-rings	Brass with Buna N O-rings
	Pressure Rating, psig(bar)	
70 (20)	4000 (276)	2000 (138)
250 (121)		100 (6.8)
400 (204)	100 (6.8)	

- Maximum Flow Rate
1 U.S. gal/min (3.8 L/min) water at 70°F (20°C)

Insert Depth

In order to measure overall length in the coupled position, insertion depth should be deducted from any overall stem and body combination length.

Depth in. (mm)	
SESO	DESO
0.47 (11.9)	0.53 (13.5)

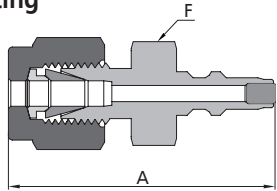
Cautions:

- Do not uncouple single-end shutoff quick-connects under pressure.
- Do not insert foreign object into uncoupled stems and bodies.
- Re-lubricate stem seal O-ring periodically.

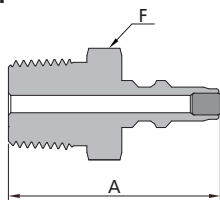
Dimensions

SESO Stems

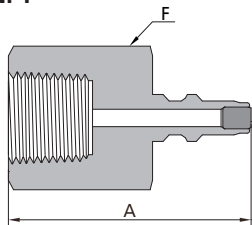
Tube Fitting



Male NPT

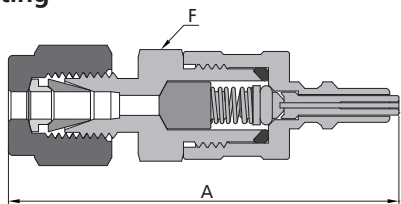


Female NPT

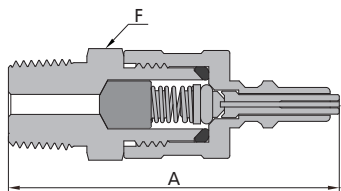


DESO Stems

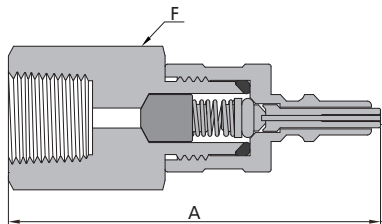
Tube Fitting



Male NPT



Female NPT



Tube Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FL1-S	0.06	1.18 (30.0)	7/16
1/8	QM-FL2-S		1.29 (32.8)	

NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-NS1-S	0.06	1.03 (26.2)	7/16
1/8	QM-NS2-S			

NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FNS1-S	0.06	1.03 (26.2)	7/16
1/8	QM-FNS2-S		1.18 (30.0)	9/16

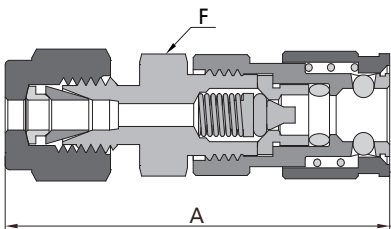
Tube Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FL1-D	0.05	1.76 (44.7)	7/16
1/8	QM-FL2-D		1.87 (47.5)	

NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-NS1-D	0.05	1.61 (40.9)	7/16
1/8	QM-NS2-D			

NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FNS1-D	0.05	1.61 (40.9)	7/16
1/8	QM-FNS2-D		1.81 (46.0)	9/16

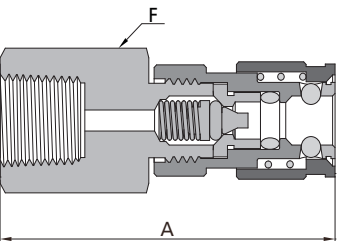
Bodies

Tube Fitting



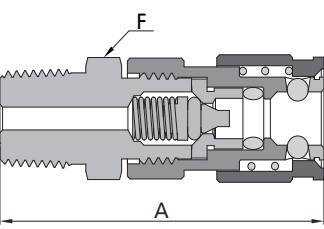
Tube Size in.	Basic Ordering Number	A in. (mm)	F in.
1/16	QM-FL1-B	1.50 (38.1)	7/16
1/8	QM-FL2-B	1.70 (43.2)	

Female NPT



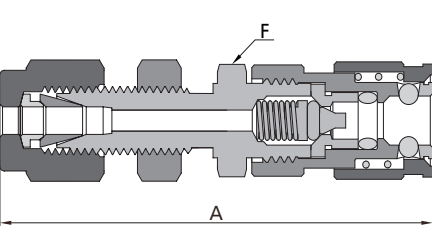
NPT Size in.	Basic Ordering Number	A in. (mm)	F in.
1/16	QM-FNS1-B	1.43 (36.3)	7/16
1/8	QM-FNS2-B	1.62 (41.1)	9/16

Male NPT



NPT Size in.	Basic Ordering Number	A in. (mm)	F in.
1/16	QM-NS1-B	1.42 (36.1)	7/16
1/8	QM-NS2-B	1.44 (36.6)	

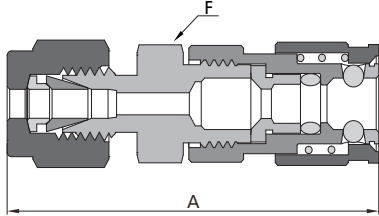
Bulkhead Tube Fitting



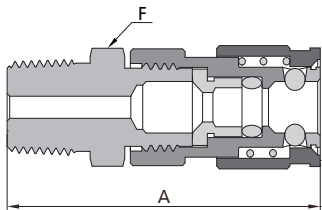
Tube Size in.	Basic Ordering Number	A in. (mm)	F in.	Min. Panel Hole in.(mm)	Max.Panel Thickness in.(mm)
1/8	QM-BFL2-B	2.09 (53.1)	7/16	0.33 (8.3)	0.25 (6.4)

Full-flow bodies

Tube Fitting



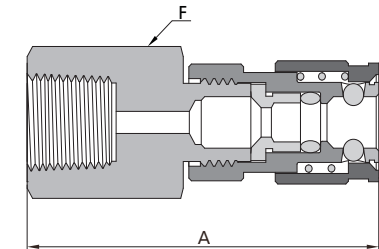
Male NPT



Tube Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A in. (mm)	F in.
1/16	QM-FL1-BF	0.06	1.50 (38.1)	7/16
1/8	QM-FL2-BF		1.70 (43.2)	

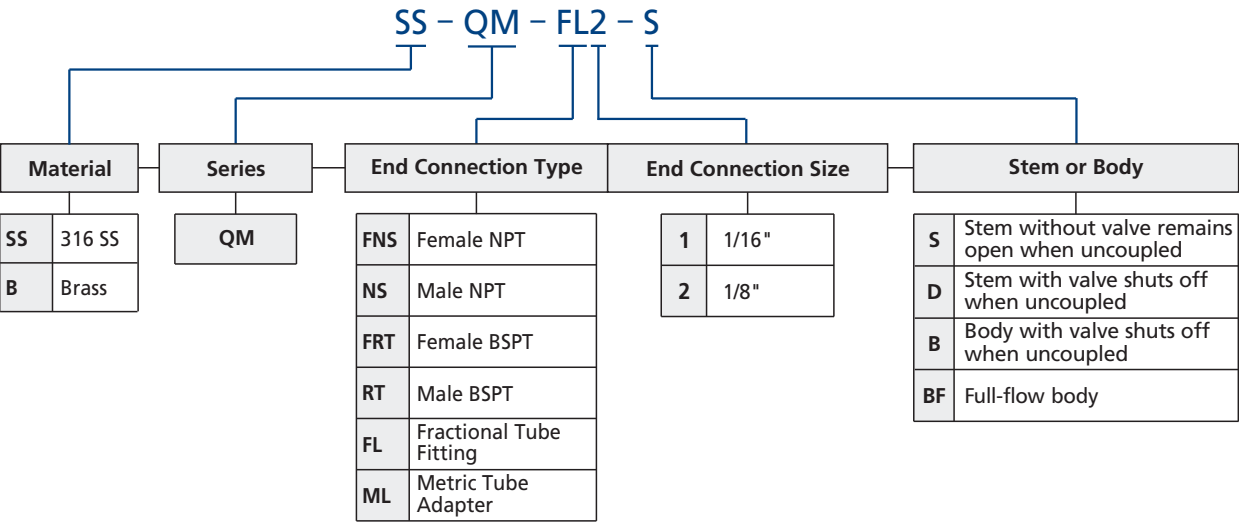
NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A in. (mm)	F in.
1/16	QM-NS1-BF	0.06	1.42 (36.1)	7/16
1/8	QM-NS2-BF		1.44 (36.6)	

Female NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A in. (mm)	F in.
1/16	QM-FNS1-BF	0.06	1.43 (36.3)	7/16
1/8	QM-FNS2-BF		1.62 (41.1)	9/16

Part Number Description



1. Sizes and types listed are standard. Other sizes and types are available on request.
2. Dimensions are for reference only and are subject to change.

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.