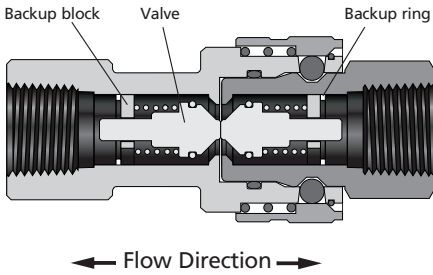


QV Series

Features

- ⦿ Large flow area ensure high flow capacity.
- ⦿ Positive valve stop. The perch maintains valve alignment and provides metal to metal valve stop to ensure that the valves fully open.
- ⦿ Hardened nipples and sleeves as well as solid barstock construction, make for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock.
- ⦿ The seal is designed to withstand high pressure and provide reliable sealing.
- ⦿ Durable ball-locking mechanism assures reliable connection.
- ⦿ Working temperatures:
 - 10°F to 400°F (-23°C to 204°C) with Fluorocarbon FKM seal
 - 10°F to 250°F (-23°C to 121°C) with Buna N seal



Standard Materials of Construction

Component	Material	
	316 SS	Brass
Body, Body sleeve, stem, valve, backup block	316 SS	Brass C36000
O-rings	Fluorocarbon FKM	Buna N
Spring, snap ring, locking balls	316 SS	
Lubricants	Silicone- and PTFE-based	

Pressure-Temperature Ratings

Body Material	Stainless Steel						Brass					
	QV2	QV4	QV6	QV8	QV12	QV16	QV2	QV4	QV6	QV8	QV12	QV16
O-ring	FKM						Buna N					
Temperature Range	-10°F to 400°F (-23°C to 204°C)						-10°F to 250°F (-23°C to 121°C)					
Working Pressue psig (bar)	2000 (137)		1500 (103)		1000 (68.9)		1000 (68.9)					

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

Insert Depth

Series	Insert Depth
	in. (mm)
QV2	0.71 (18.0)
QV4	0.81 (20.6)
QV6	0.89 (22.5)
QV8	1.01 (25.6)
QV12	1.26 (32.1)
QV16	1.42 (36.1)

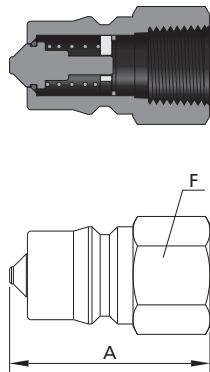
Cautions:

- ⦿ 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

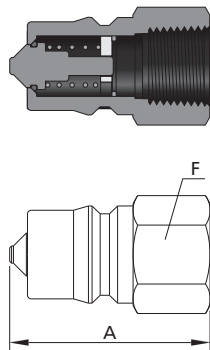
Stems

Female NPT



Female NPT				
NPT Size	Basic Ordering Number	Flow coefficient (Cv)	A	F
			in. (mm)	in.
1/8	-QV2-FNS2-D	0.8	1.16 (29.5)	9/16
1/4	-QV4-FNS4-D	3.0	1.39 (35.3)	3/4
3/8	-QV6-FNS6-D	6.0	1.50 (38.1)	7/8
1/2	-QV8-FNS8-D	12.0	1.75 (44.5)	1 1/8
3/4	-QV12-FNS12-D	28.0	2.16 (54.9)	1 3/8
1	-QV16-FNS16-D	50.0	2.91 (73.9)	1 5/8

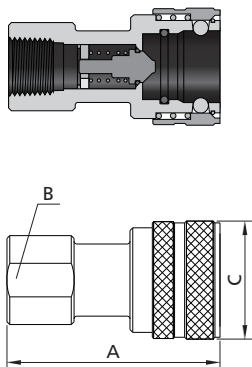
Female BSPT



Female BSPT				
BSPT Size	Basic Ordering Number	Flow coefficient (Cv)	A	F
			in. (mm)	in.
1/8	-QV2-FRT2-D	0.8	1.16 (29.5)	9/16
1/4	-QV4-FRT4-D	3.0	1.39 (35.3)	3/4
3/8	-QV6-FRT6-D	6.0	1.50 (38.1)	7/8
1/2	-QV8-FRT8-D	12.0	1.75 (44.5)	1 1/8
3/4	-QV12-FRT12-D	28.0	2.16 (54.9)	1 3/8
1	-QV16-FRT16-D	50.0	2.91 (73.9)	1 5/8

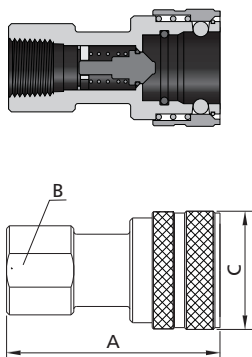
Bodies

Female NPT



Female NPT				
NPT Size	Basic Ordering Number	A	B	C
		in. (mm)	in. (mm)	in. (mm)
1/8	-QV2-FNS2-B	1.90 (48.3)	0.63 (15.9)	0.96 (24.4)
1/4	-QV4-FNS4-B	2.26 (57.4)	0.81 (20.6)	1.14 (29.0)
3/8	-QV6-FNS6-B	2.49 (63.2)	0.88 (22.2)	1.40 (35.6)
1/2	-QV8-FNS8-B	2.87 (72.9)	1.13 (28.6)	1.77 (45.0)
3/4	-QV12-FNS12-B	3.56 (90.4)	1.31 (33.3)	2.14 (54.4)
1	-QV16-FNS16-B	4.18 (106.2)	1.63 (41.3)	2.52 (64.0)

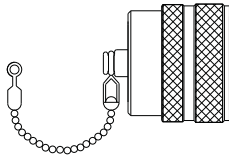
Female BSPT



Female BSPT				
NPT Size	Basic Ordering Number	A	B	C
		in. (mm)	in. (mm)	in. (mm)
1/8	-QV2-FRT2-B	1.90 (48.3)	0.69 (17.5)	0.96 (24.4)
1/4	-QV4-FRT4-B	2.26 (57.4)	0.81 (20.6)	1.14 (29.0)
3/8	-QV6-FRT6-B	2.49 (63.2)	0.88 (22.2)	1.40 (35.6)
1/2	-QV8-FRT8-B	2.87 (72.9)	1.13 (28.6)	1.77 (45.0)
3/4	-QV12-FRT12-B	3.56 (90.4)	1.31 (33.3)	2.14 (54.4)
1	-QV16-FRT16-B	4.18 (106.2)	1.63 (41.3)	2.52 (64.0)

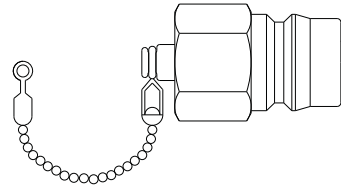
Protectors

Stem Protector



Series	Basic Ordering Number
QV2	-QV2-SP
QV4	-QV4-SP
QV6	-QV6-SP
QV8	-QV8-SP
QV12	-QV12-SP
QV16	-QV16-SP

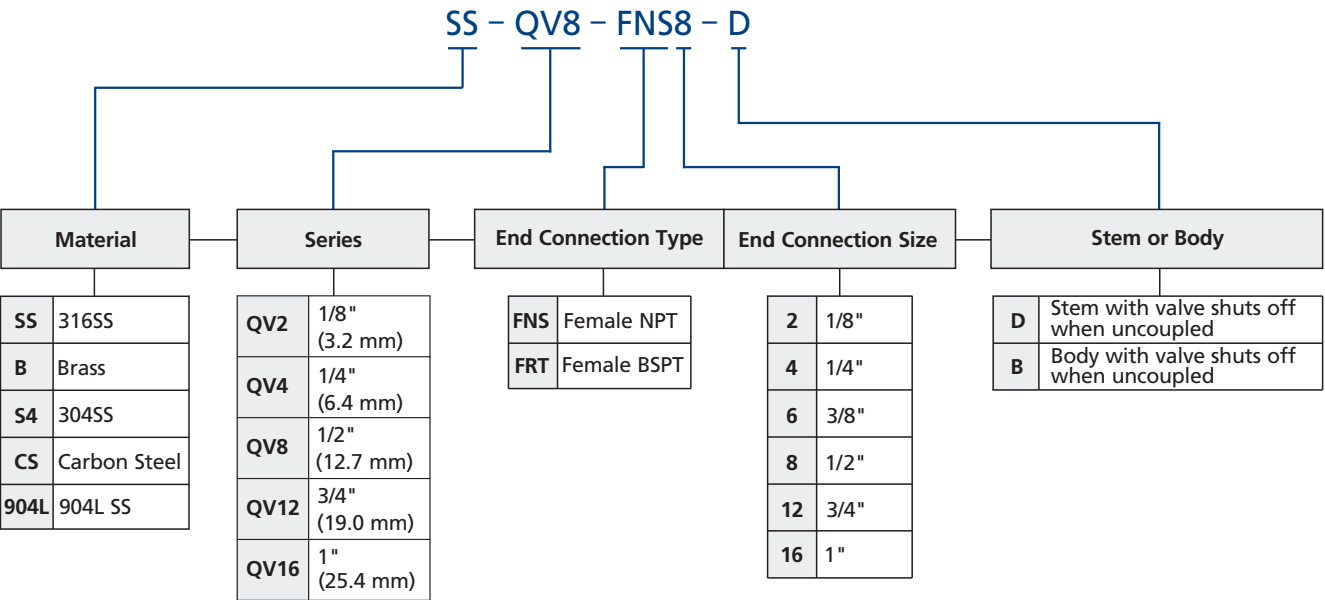
Body Protector



Series	Basic Ordering Number
QV2	-QV2-BP
QV4	-QV4-BP
QV6	-QV6-BP
QV8	-QV8-BP
QV12	-QV12-BP
QV16	-QV16-BP

⦿ To order a protector, add material designator (SS for stainless steel or B for brass) as a prefix to the basic ordering number.
Example: **SS-QV4-BP**

Part Number Description



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.

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