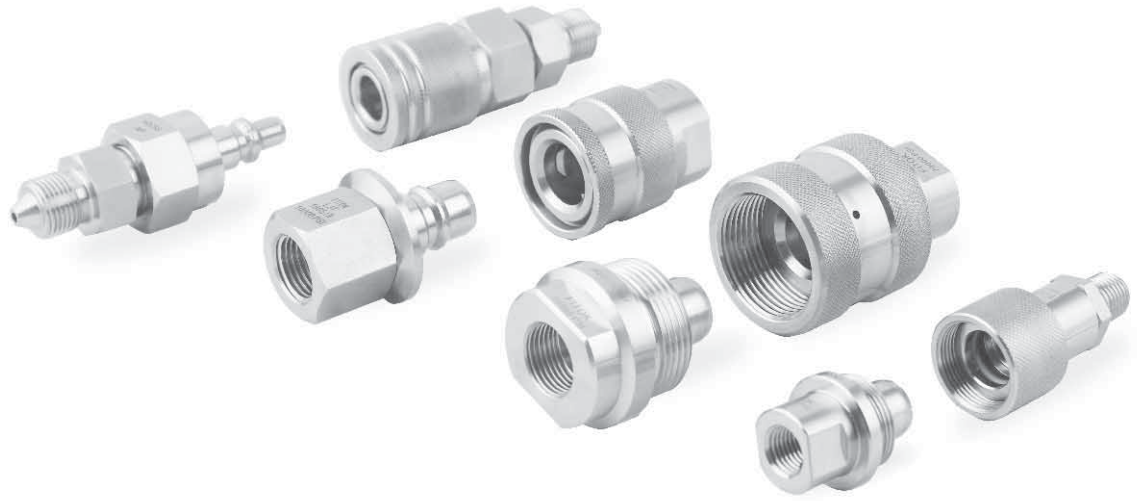
Quick Couplings

HQP Series, 10,000 psig (690 bar)
HQB Series, 10,000 psig (690 bar)
HQS Series, 20,000 psig (1379 bar)
HQC Series, 30,000 psig (2068 bar)



Contents

HQP Series B-04

HQB Series B-06

HQS Series B-08

HQC Series B-10

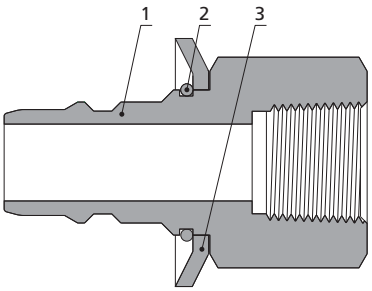
Ordering Number Description B-16

HQP Series

Features

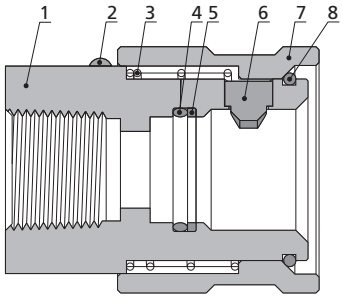
- Working Pressure: 10,000 psig (690 bar)
- Fluorocarbon FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C), other O-ring materials available
- Push-and-pull type quick coupling without check valve
- Stem and body material: high tensile 316 Stainless Steel
- Flow coefficient (Cv) up to 8.2
- Sturdy locking mechanism with large contact area to ensure reliable stem retainment
- Easy and quick connection to hoses and fixed ports

Standard Materials of Construction



Nipple

Item	Component	Material Grade/ASTM Specification
1	*Stem*	*316 SS/A479*
2	Wire Ring	Stainless Steel
3	Pull Piece	316 SS/A479

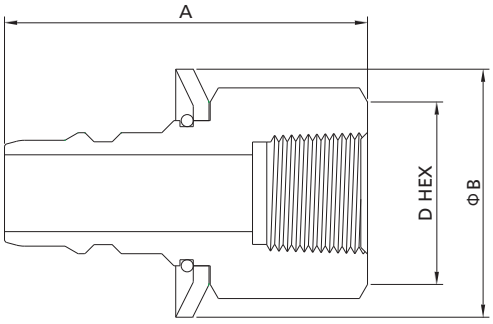


Coupler

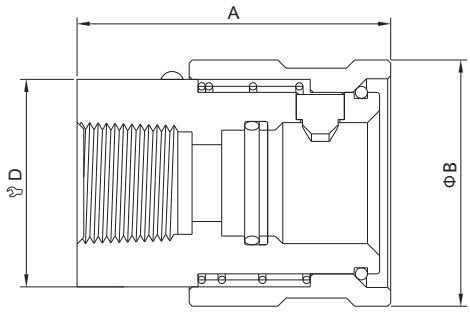
Item	Component	Material Grade/ASTM Specification
1	*Body*	*316 SS/A479*
2	Pin	Stainless Steel
3	Spring	300 Series SS
4	*O-ring*	*Fluorocarbon FKM*
5	Retaining Ring	PTFE
6	Locking Block	Stainless Steel
7	Slip Sleeve	316 SS/A479
8	Wire Ring	Stainless Steel

Wetted component listed in italics.

Ordering Information and Dimensions



Nipple



Coupler

Type	Ordering Number	Connection	Dimensions, in. (mm)			Working Pressure psig (bar)
			A	B	D	
Nipple	HQPSS-FNS6-NP	FNS6	2.17 (55.0)	1.59 (40.4)	1.19 (30.2)	10,000 (690)
	HQPSS-FNS8-NP	FNS8	2.36 (60.0)	1.59 (40.4)	1.19 (30.2)	
Coupler	HQPSS-FNS6-CP	FNS6	2.05 (52.0)	1.59 (40.4)	1.19 (30.2)	
	HQPSS-FNS8-CP	FNS8	2.05 (52.0)	1.59 (40.4)	1.19 (30.2)	

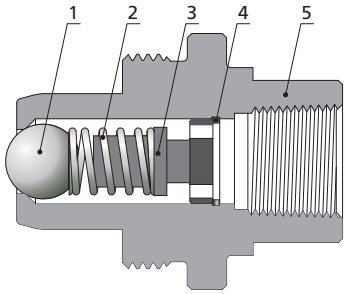
NOTE: All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact FITOK Group or our authorized distributors.

HQB Series

Features

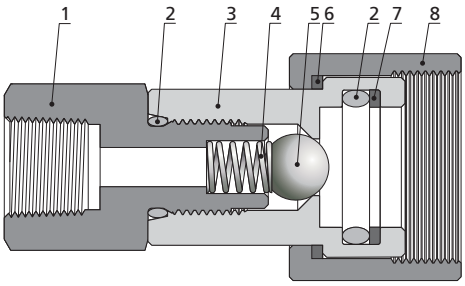
- Working Pressure: 10,000 psig (690 bar)
- Fluorocarbon FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C), other O-ring materials available
- Screw type quick coupling with check valve
- 17-4PH Stainless Steel stem and high tensile 316 Stainless Steel body
- Flow coefficient (Cv) up to 0.53
- Withstand full working pressure when disconnected
- Check valve with metal ball sealing, without guarantee of full gas impermeability
- Easy and quick connection to hoses and fixed ports

Standard Materials of Construction



Nipple

Item	Component	Material Grade/ASTM Specification
1	*Ball*	*Stainless Steel*
2	*Spring*	*300 Series SS*
3	*Seat*	*316 SS/A479*
4	*Retaining Ring*	*Stainless Steel*
5	*Stem*	*17-4PH SS/A564*

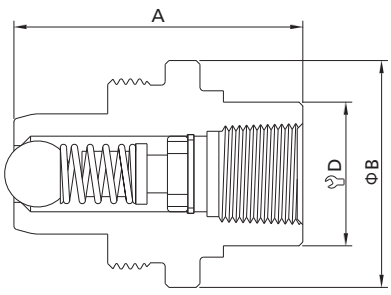


Coupler

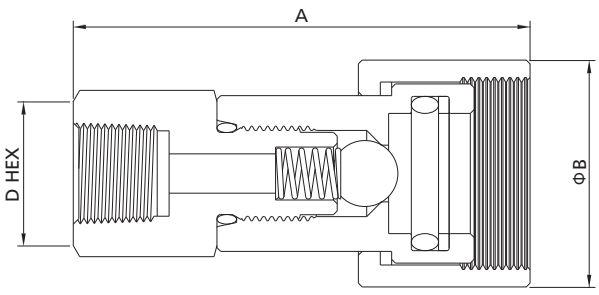
Item	Component	Material Grade/ASTM Specification
1	*Body*	*316 SS/A479*
2	*O-ring*	*Fluorocarbon FKM*
3	*Housing*	*17-4PH SS/A564*
4	*Spring*	*300 Series SS*
5	*Ball*	*Stainless Steel*
6	Ring	C63000/B150
7	Retaining Ring	PTFE
8	Nut	17-4PH SS/A564
	Sealant adhesive	*Anaerobic adhesive*

Wetted component listed in italics.

Ordering Information and Dimensions



Nipple



Coupler

Type	Ordering Number	Connection	Dimensions, in. (mm)			Working Pressure psig (bar)
			A	B	D	
Nipple	HQB4P-FNS4-NP	FNS4	1.54 (39.2)	1.18 (30.0)	0.75 (19.0)	10,000 (690)
	HQB4P-FNS6-NP	FNS6	1.54 (39.2)	1.18 (30.0)	0.94 (23.8)	
Coupler	HQB4P-FNS4-CP	FNS4	2.46 (62.4)	1.18 (30.0)	0.87 (22.2)	
	HQB4P-FNS6-CP	FNS6	2.46 (62.4)	1.18 (30.0)	0.94 (23.8)	

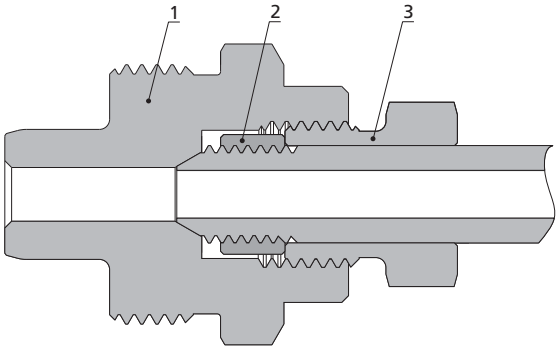
NOTE: All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact FITOK Group or our authorized distributors.

HQS Series

Features

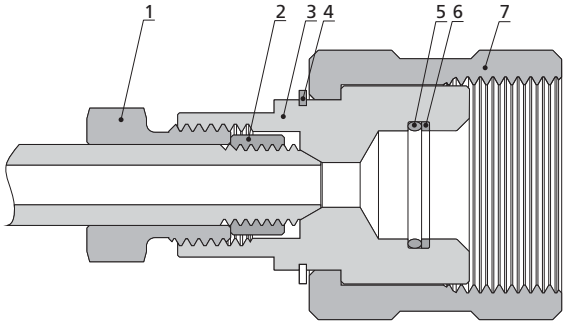
- Working pressure up to 20,000 psig (1379 bar)
- Fluorocarbon FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C), other O-ring materials available
- Screw type quick coupling without check valve
- High tensile 316 Stainless Steel stem and17-4PH Stainless Steel body
- Flow coefficient (Cv) up to 3.6
- Easy and quick connection to hoses and fixed ports

Standard Materials of Construction



Nipple

Item	Component	Material Grade/ASTM Specification
1	*Stem*	*316 SS/A479*
2	Collar	316 SS/A479 *(For tubing connections)*
3	Gland	316 SS/A479 *(For tubing connections)*



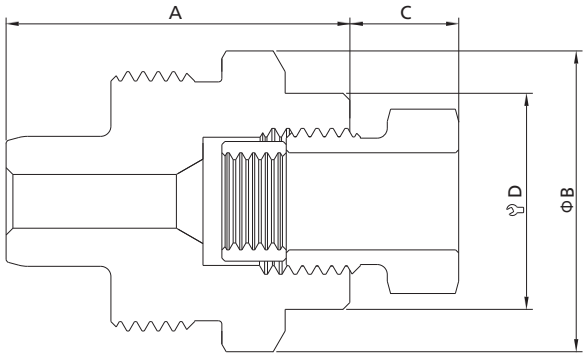
Coupler

Item	Component	Material Grade/ASTM Specification
1	Collar	316 SS/A479 *(For tubing connections)*
2	Gland	316 SS/A479 *(For tubing connections)*
3	*Body*	*17-4PH SS/A564*
4	Circlip	Stainless Steel
5	*O-ring*	*Fluorocarbon FKM*
6	Retaining Ring	PTFE
7	Nut	316 SS/A479

Wetted component listed in italics

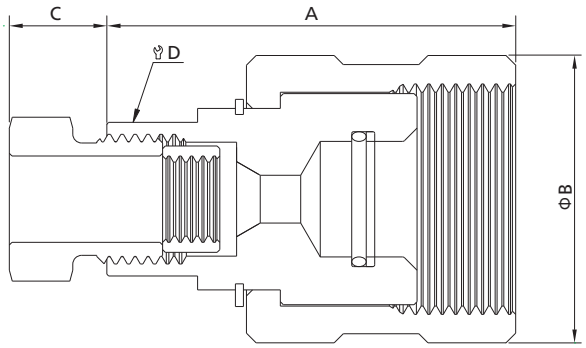
Ordering Information and Dimensions

Nipple



Type	Ordering Number	Connection	Dimensions, in. (mm)				Working Pressure psig (bar)
			A	B	C	D	
Nipple	HQSSS-2FH9-NP	2FH9	2.40 (61.0)	1.74 (44.2)	0.55 (14.0)	1.25 (31.8)	20,000 (1379)
	HQSSS-FNS8-NP	FNS8	2.40 (61.0)	1.74 (44.2)		1.25 (31.8)	15,000 (1034)
	HQSSS-HBP8-NP	HBP8	2.76 (70.0)	1.74 (44.2)		1.00 (25.4)	20,000 (1379)

Coupler



Type	Ordering Number	Connection	Dimensions, in. (mm)				Working Pressure psig (bar)
			A	B	C	D	
Coupler	HQSSS-2FH9-CP	2FH9	2.61 (66.3)	1.91 (48.4)	0.55 (14.0)	1.00 (25.4)	20,000 (1379)
	HQSSS-FNS8-CP	FNS8	2.61 (66.3)	1.91 (48.4)		1.00 (25.4)	15,000 (1034)
	HQSSS-HBP8-CP	HBP8	3.16 (80.3)	1.91 (48.4)		1.00 (25.4)	20,000 (1379)

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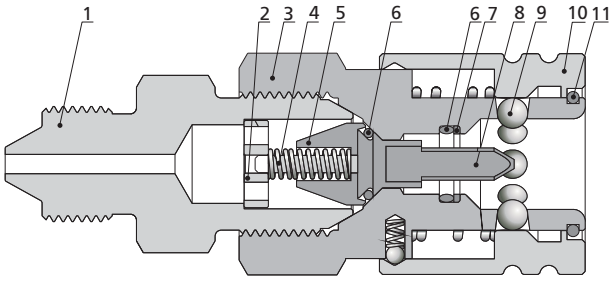
HQC Series

HQC Series Couplers

Features

- Working pressure up to 30,000 psig (2068 bar)
- Fluorocarbon FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C), other O-ring materials available
- Push-and-pull type coupler with check valve
- Body material: 17-4PH Stainless Steel
- Flow coefficient (Cv) up to 0.66
- Withstand full working pressure when disconnected
- Easy and quick connection to hoses and fixed ports

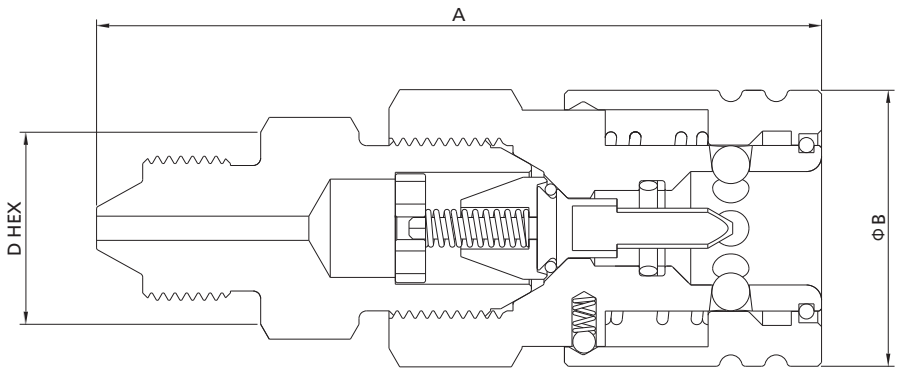
Standard Materials of Construction



Item	Component	Material Grade/ASTM Specification
1	*Body*	*17-4PH SS/A564*
2	*Seat*	*316 SS/A479*
3	*Housing*	*17-4PH SS/A564*
4	*Spring*	*300 Series SS*
5	*Valve Head*	*316 SS/A479*
6	*O-ring*	*Fluorocarbon FKM*
7	Retaining Ring	PTFE
8	*Valve Stem*	*316 SS/A479*
9	Ball	Stainless Steel
10	Nut	316 SS/A479
11	Wire Ring	Stainless Steel

Wetted component listed in italics.

Ordering Information and Dimensions



Type	Ordering Number	Connection	Dimensions, in. (mm)			Working Pressure psig (bar)
			A	B	D	
Coupler	HQC4P-NS4-CP	NS4	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS6-CP	NS6	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS8-CP	NS8	3.68 (93.5)	1.39 (35.4)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS4-CP	FNS4	3.17 (80.5)	1.39 (35.4)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS6-CP	FNS6	3.27 (83.0)	1.39 (35.4)	1.13 (28.6)	15,000 (1034)
	HQC4P-FNS8-CP	FNS8	3.56 (90.5)	1.39 (35.4)	1.38 (34.9)	15,000 (1034)
	HQC4P-AN4-CP	AN4	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-AN6-CP	AN6	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-AN8-CP	AN8	3.58 (91.0)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP4-CP	HBP4	3.37 (85.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP6-CP	HBP6	3.41 (86.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP8-CP	HBP8	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP4-CP	2MP4	3.62 (92.0)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP6-CP	2MP6	3.76 (95.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP9-CP	2MP9	3.95 (100.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-6MP4-CP	6MP4	3.54 (90.0)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-6MP6-CP	6MP6	3.80 (96.5)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-6MP9-CP	6MP9	3.98 (101.0)	1.39 (35.4)	1.19 (30.2)	30,000 (2068)
	HQC4P-HM9-CP	HM9	3.43 (87.0)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM12-CP	HM12	3.56 (90.5)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM16-CP	HM16	3.56 (90.5)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)

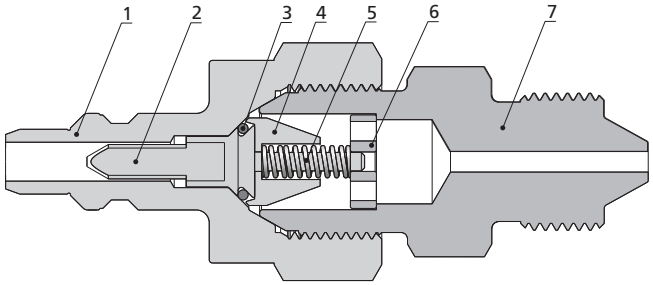
NOTE: All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact FITOK Group or our authorized distributors.

HQC Series Nipples With Check Valve

Features

- Working pressure up to 30,000 psig (2068 bar)
- Fluorocarbon FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C), other O-ring materials available
- Push-and-pull type nipple with check valve
- Stem material: 17-4PH Stainless Steel
- Flow coefficient (Cv) up to 0.66
- Withstand full working pressure when disconnected
- Easy and quick connection to hoses and fixed ports

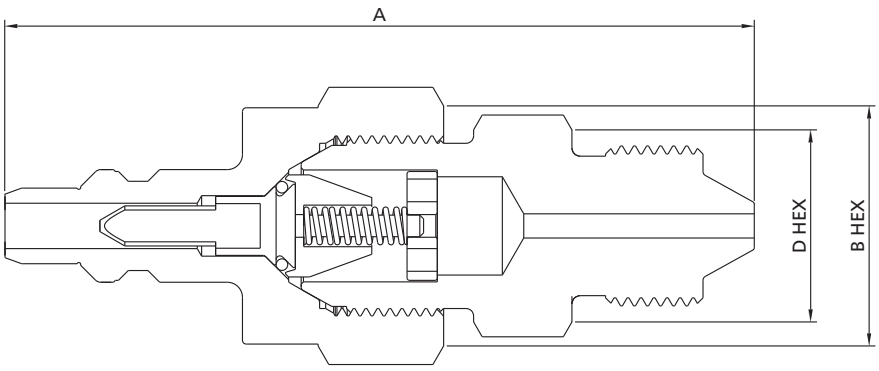
Standard Materials of Construction



Item	Component	Material Grade/ASTM Specification
1	*Stem*	*17-4PH SS/A564*
2	*Valve Stem*	*316 SS/A479*
3	*O-ring*	*Fluorocarbon FKM*
4	*Valve Head*	*316 SS/A479*
5	*Spring*	*300 Series SS*
6	*Seat*	*316 SS/A479*
7	*Body*	*17-4PH/A564*

Wetted component listed in italics.

Ordering Information and Dimensions



Type	Ordering Number	Connection	Dimensions, in. (mm)			Working Pressure psig (bar)
			A	B	D	
Nipple	HQC4P-NS4-NP	NS4	3.52 (89.5)	1.25 (31.8)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS6-NP	NS6	3.52 (89.5)	1.25 (31.8)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS8-NP	NS8	3.70 (94.0)	1.25 (31.8)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS4-NP	FNS4	3.19 (81.0)	1.25 (31.8)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS6-NP	FNS6	3.31 (84.0)	1.25 (31.8)	1.13 (28.6)	15,000 (1034)
	HQC4P-FNS8-NP	FNS8	3.58 (91.0)	1.25 (31.8)	1.38 (34.9)	15,000 (1034)
	HQC4P-AN4-NP	AN4	3.50 (89.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-AN6-NP	AN6	3.50 (89.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-AN8-NP	AN8	3.43 (92.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP4-NP	HBP4	3.39 (86.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP6-NP	HBP6	3.43 (87.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP8-NP	HBP8	3.50 (89.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP4-NP	2MP4	3.64 (92.5)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP6-NP	2MP6	3.78 (96.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP9-NP	2MP9	3.98 (101.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-6MP4-NP	6MP4	3.58 (91.0)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-6MP6-NP	6MP6	3.84 (97.5)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-6MP9-NP	6MP9	4.00 (101.5)	1.25 (31.8)	1.19 (30.2)	30,000 (2068)
	HQC4P-HM9-NP	HM9	3.46 (88.0)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM12-NP	HM12	3.58 (91.0)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM16-NP	HM16	3.60 (91.5)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)

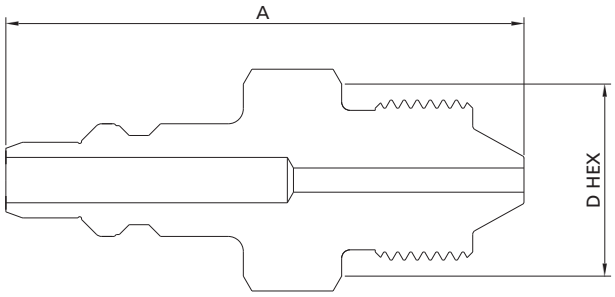
NOTE: All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact FITOK Group or our authorized distributors.

HQC Series Nipples without Check Valve

Features

- Working pressure up to 30,000 psig (2068 bar)
- Push-and-pull type nipple without check valve
- Stem material: 17-4PH Stainless Steel
- Flow coefficient (Cv) up to 0.66
- Easy and quick connection to hoses and fixed ports

Ordering Information and Dimensions

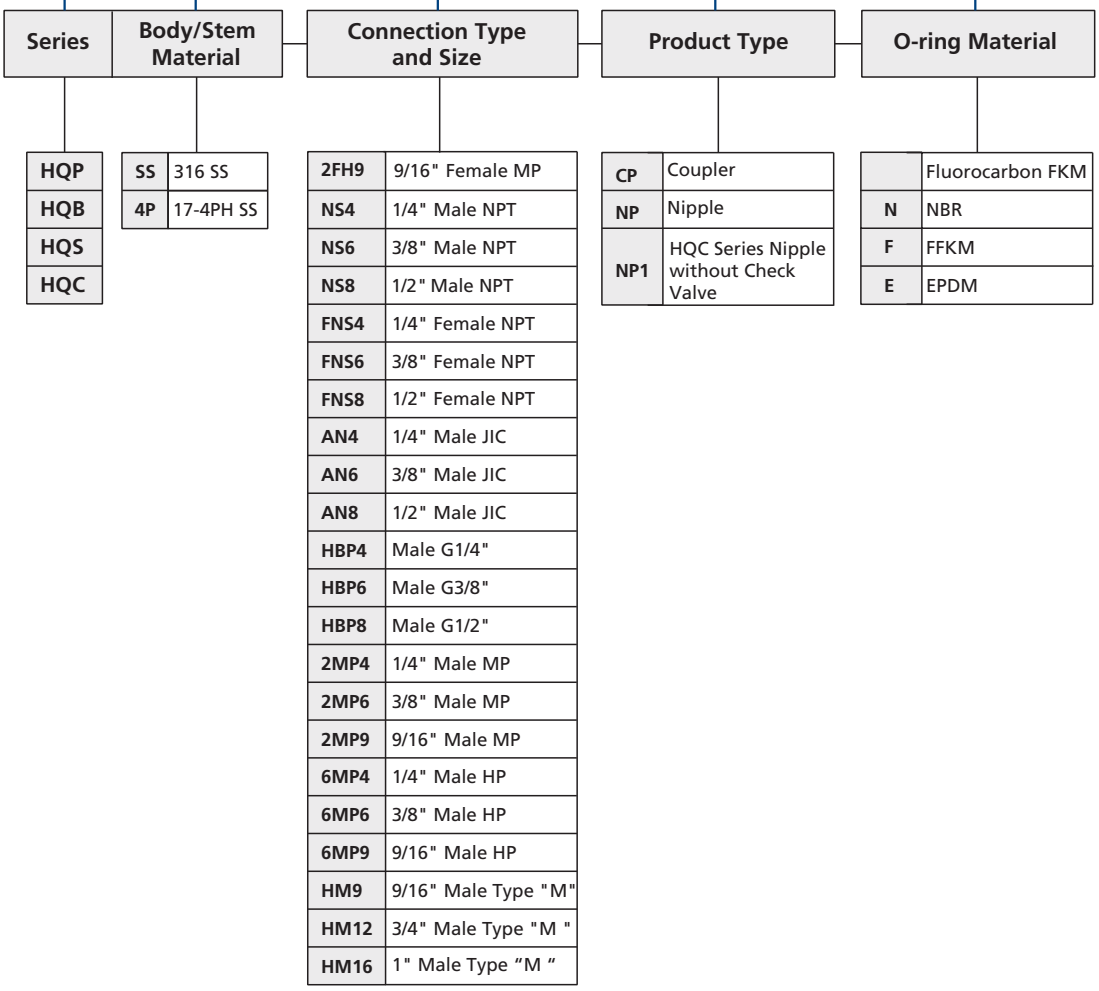


Type	Ordering Number	Connection	Dimensions, in. (mm)		Working Pressure psig (bar)
			A	D	
Nipple	HQC4P-NS4-NP1	NS4	2.25 (57.1)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS6-NP1	NS6	2.25 (57.1)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS8-NP1	NS8	2.44 (62.0)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS4-NP1	FNS4	2.05 (52.0)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS6-NP1	FNS6	2.09 (53.0)	1.13 (28.6)	15,000 (1034)
	HQC4P-FNS8-NP1	FNS8	2.36 (60.0)	1.38 (34.9)	15,000 (1034)
	HQC4P-AN4-NP1	AN4	2.24 (56.9)	1.00 (25.4)	20,000 (1379)
	HQC4P-AN6-NP1	AN6	2.24 (57.0)	1.00 (25.4)	20,000 (1379)
	HQC4P-AN8-NP1	AN8	2.35 (59.6)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP4-NP1	HBP4	2.12 (53.9)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP6-NP1	HBP6	2.16 (54.9)	1.00 (25.4)	20,000 (1379)
	HQC4P-HBP8-NP1	HBP8	2.24 (56.9)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP4-NP1	2MP4	2.37 (60.3)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP6-NP1	2MP6	2.52 (64.0)	1.00 (25.4)	20,000 (1379)
	HQC4P-2MP9-NP1	2MP9	2.69 (68.3)	1.00 (25.4)	20,000 (1379)
	HQC4P-6MP4-NP1	6MP4	2.31 (58.7)	1.00 (25.4)	30,000 (2068)
	HQC4P-6MP6-NP1	6MP6	2.56 (65.1)	1.00 (25.4)	30,000 (2068)
	HQC4P-6MP9-NP1	6MP9	2.81 (71.4)	1.19 (30.2)	30,000 (2068)
	HQC4P-HM9-NP1	HM9	2.19 (55.6)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM12-NP1	HM12	2.32 (58.9)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM16-NP1	HM16	2.33 (59.2)	1.00 (25.4)	30,000 (2068)

NOTE: All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact FITOK Group or our authorized distributors.

Ordering Number Description

HQC4P-6MP6-NP1-N



NOTE: "Ordering Number Description" is a reference to understand the combination rules of FITOK Product Part Number. Not all combinations are available.

Code	O-ring Material	Working Temperature Range, °F (°C)
	Fluorocarbon FKM	0 to 400 (-17.8 to 204)
N	NBR	-10 to 250 (-23 to 121)
F	FFKM	-20 to 550 (-29 to 288)
E	EPDM	-50 to 300 (-45 to 148)

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