

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)



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Part Number
Crossover Charts

HQP Series

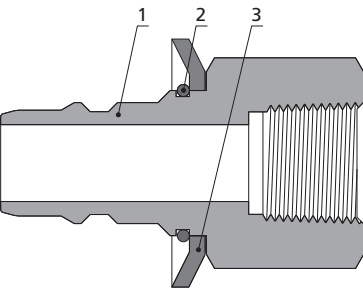
Features

- Working pressure: 10,000 psig (690 bar)
- FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C); other O-ring materials available
- Stem and body material: high tensile 316 stainless steel
- Push-and-pull type quick coupling without check valve, incapable of withstanding any pressure when disconnected
- Flow coefficient (Cv) up to 8.2
- Sturdy locking mechanism with large contact area to ensure reliable stem retainment
- Slip sleeve lock design prevents accidental disconnection

Cautions

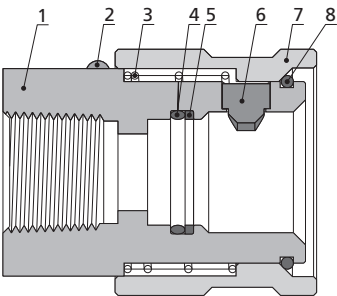
- Do not disconnect or connect quick couplings when system is pressurized
- Do not rotate quick couplings when connected
- Take care to protect the nipple and coupler when disconnected

Standard Materials of Construction



Nipple

Item	Component	Material Grade
1	<i>Stem</i>	316 SS
2	Wire Ring	Stainless Steel
3	Pull Piece	316 SS

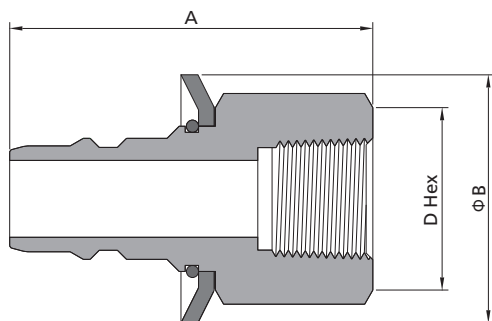


Coupler

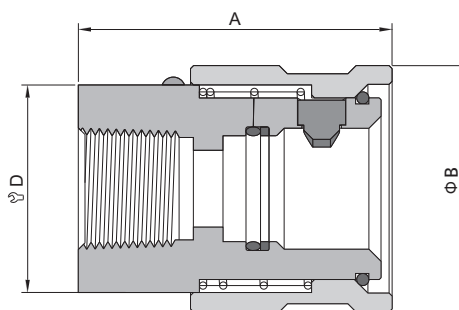
Item	Component	Material Grade
1	<i>Body</i>	316 SS
2	Pin	Stainless Steel
3	Spring	300 Series SS
4	<i>O-Ring</i>	FKM
5	Retaining Ring	PTFE
6	Locking Block	Stainless Steel
7	Slip Sleeve	316 SS
8	Wire Ring	Stainless Steel

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)	

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Part Number
Crossover Charts

HQB Series

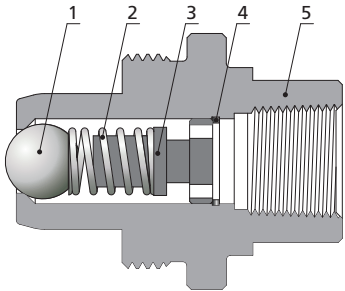
Features

- Working Pressure: 10,000 psig (690 bar)
- FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C); other O-ring materials available
- S17400 stainless steel stem and high tensile S17400 stainless steel body
- Screw type quick coupling with check valve, capable of withstanding full pressure when disconnected
- Flow coefficient (Cv) up to 0.53
- Check valve with metal ball sealing, without guarantee of full gas impermeability

Cautions

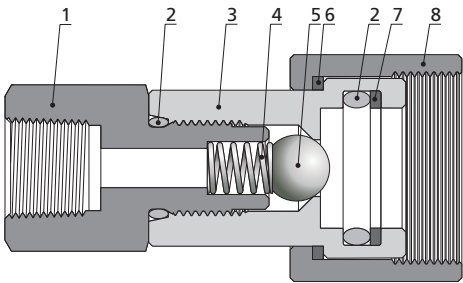
- Do not disconnect or connect quick couplings when system is pressurized
- Finger tighten the threads to "face-to-face" station when connected
- Take care to protect the nipple and coupler when disconnected

Standard Materials of Construction



Nipple

Item	Component	Material Grade
1	Ball	Stainless Steel
2	Spring	300 Series SS
3	Seat	316 SS
4	Retaining Ring	Stainless Steel
5	Stem	S17400 SS

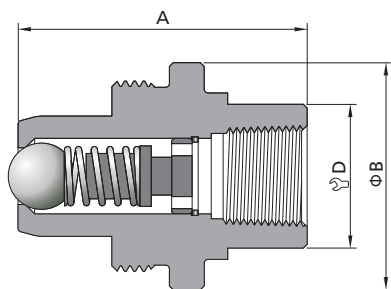


Coupler

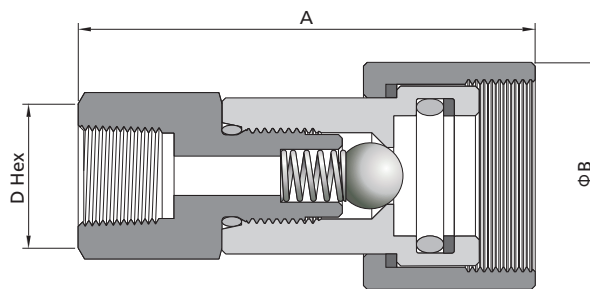
Item	Component	Material Grade
1	Body	316 SS
2	O-Ring	FKM
3	Housing	S17400 SS
4	Spring	300 Series SS
5	Ball	Stainless Steel
6	Ring	C63000
7	Retaining Ring	PTFE
8	Nut	S17400 SS
Sealant Adhesive		Anaerobic Adhesive

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)	

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Part Number
Crossover Charts

HQS Series

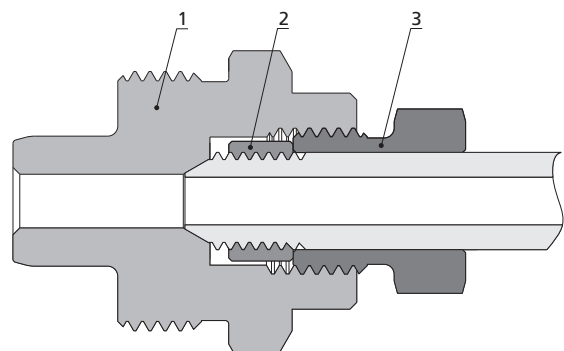
Features

- Working pressure up to 20,000 psig (1379 bar)
- FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C); other O-ring materials available
- High tensile 316 stainless steel stem and S17400 stainless steel body
- Screw type quick coupling without check valve, incapable of withstanding any pressure when disconnected
- Flow coefficient (Cv) up to 33.4

Cautions

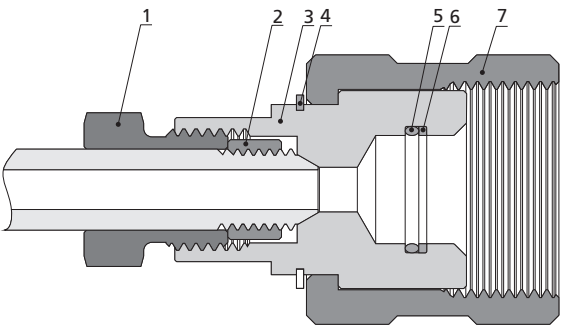
- Do not disconnect or connect quick couplings when system is pressurized
- Finger tighten the threads to "face-to-face" station when connected
- Take care to protect the nipple and coupler when disconnected

Standard Materials of Construction



Nipple

Item	Component	Material Grade
1	Stem	316 SS
2	Collar	316 SS (For Tubing Connections)
3	Gland	316 SS (For Tubing Connections)

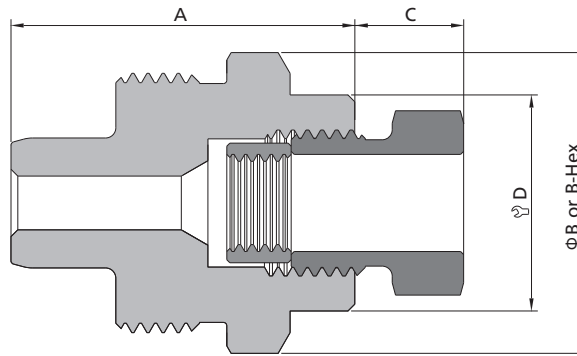


Coupler

Item	Component	Material Grade
1	Gland	316 SS (For Tubing Connections)
2	Collar	316 SS (For Tubing Connections)
3	Body	S17400 SS
4	Circlip	Stainless Steel
5	O-Ring	FKM
6	Retaining Ring	PTFE
7	Nut	316 SS

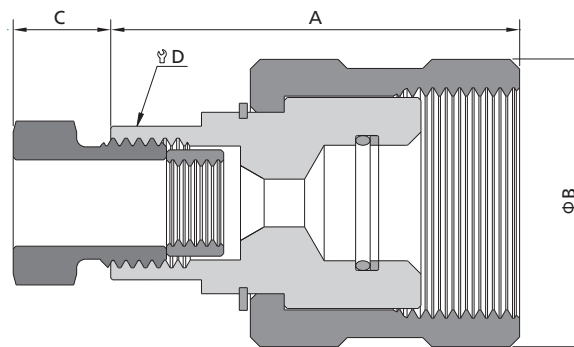
Wetted component listed in italics

Ordering Information and Dimensions



Nipple

Type	Ordering Number	Connection	Dimensions, in. (mm)				Working Pressure psig (bar)
			A	B	C	D	
Nipple	HQSSS-MF9-NP	MF9	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-FNS12-NP	FNS12	2.48 (63.0)	2.00 (50.8)			10,000 (690)
	HQSSS-FNS16-NP	FNS16	2.60 (66.0)	2.25 (57.2)			10,000 (690)



Coupler

Type	Ordering Number	Connection	Dimensions, in. (mm)				Working Pressure psig (bar)
			A	B	C	D	
Coupler	HQSSS-MF9-CP	MF9	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-FNS12-CP	FNS12	3.03 (77.0)	2.38 (60.4)		1.38 (34.9)	10,000 (690)
	HQSSS-FNS16-CP	FNS16	3.24 (82.4)	2.57 (65.4)		1.63 (41.3)	10,000 (690)

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HQC Series

HQC Series Couplers

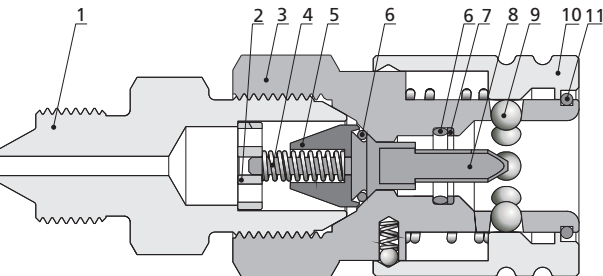
Features

- Working pressure up to 30,000 psig (2068 bar)
- FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C); other O-ring materials available
- Body material: S17400 stainless steel
- Push-and-pull type coupler with check valve, capable of withstanding full pressure when disconnected
- Flow coefficient (Cv) up to 0.66

Cautions

- Do not disconnect or connect quick couplings when system is pressurized
- Do not rotate quick couplings when connected
- Take care to protect the nipple and coupler when disconnected

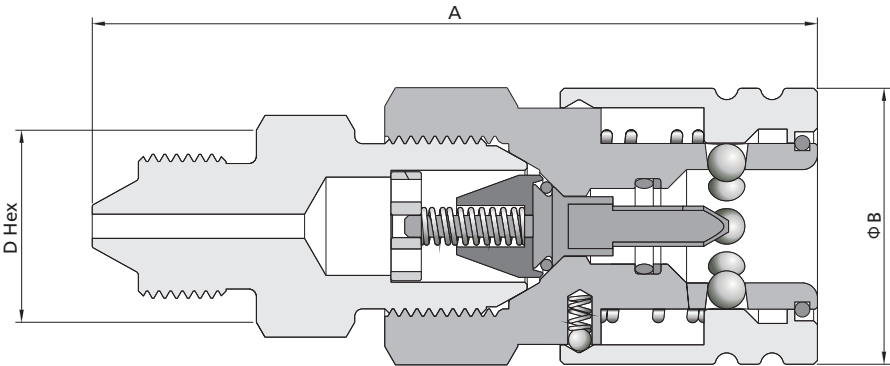
Standard Materials of Construction



Item	Component	Material Grade
1	<i>Body</i>	<i>S17400 SS</i>
2	<i>Seat</i>	<i>316 SS</i>
3	<i>Housing</i>	<i>S17400 SS</i>
4	<i>Spring</i>	<i>300 Series SS</i>
5	<i>Valve Head</i>	<i>316 SS</i>
6	<i>O-Ring</i>	<i>FKM</i>
7	<i>Retaining Ring</i>	<i>PTFE</i>
8	<i>Valve Stem</i>	<i>316 SS</i>
9	<i>Ball</i>	<i>Stainless Steel</i>
10	<i>Sleeve</i>	<i>316 SS</i>
11	<i>Wire Ring</i>	<i>Stainless Steel</i>

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-JM4-CP	JM4	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-JM6-CP	JM6	3.48 (88.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-JM8-CP	JM8	3.58 (91.0)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM4-CP	MM4	3.62 (92.0)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM6-CP	MM6	3.76 (95.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM9-CP	MM9	3.95 (100.5)	1.39 (35.4)	1.00 (25.4)	20,000 (1379)
	HQC4P-HM4-CP	HM4	3.54 (90.0)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM6-CP	HM6	3.80 (96.5)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM9-CP	HM9	3.98 (101.0)	1.39 (35.4)	1.19 (30.2)	30,000 (2068)
	HQC4P-TM9-CP	TM9	3.43 (87.0)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-TM12-CP	TM12	3.56 (90.5)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)
	HQC4P-TM16-CP	TM16	3.56 (90.5)	1.39 (35.4)	1.00 (25.4)	30,000 (2068)

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Part Number
Crossover Charts

HQC Series Nipples with Check Valve

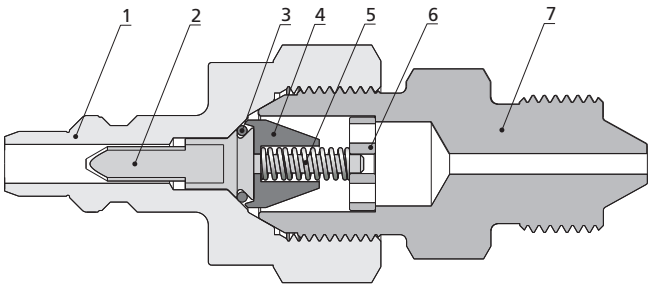
Features

- Working pressure up to 30,000 psig (2068 bar)
- FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C); other O-ring materials available
- Stem material: S17400 stainless steel
- Push-and-pull type nipple with check valve, capable of withstanding full pressure when disconnected
- Flow coefficient (Cv) up to 0.66

Cautions

- Do not disconnect or connect quick couplings when system is pressurized
- Do not rotate quick couplings when connected
- Take care to protect the nipple and coupler when disconnected

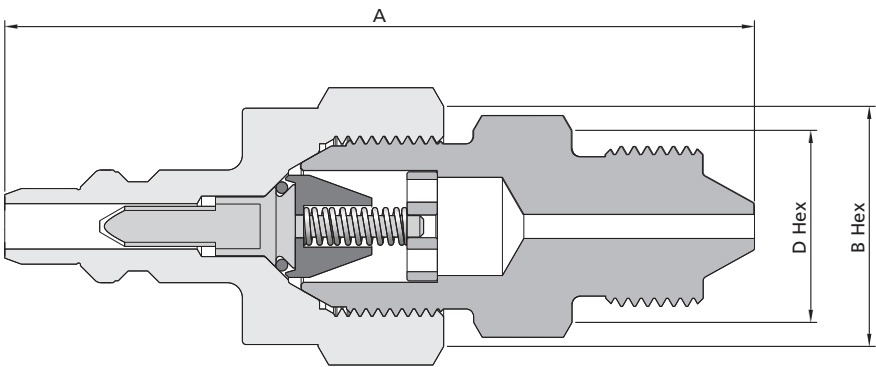
Standard Materials of Construction



Item	Component	Material Grade
1	<i>Stem</i>	<i>S17400 SS</i>
2	<i>Valve Stem</i>	<i>316 SS</i>
3	<i>O-Ring</i>	<i>FKM</i>
4	<i>Valve Head</i>	<i>316 SS</i>
5	<i>Spring</i>	<i>300 Series SS</i>
6	<i>Seat</i>	<i>316 SS</i>
7	<i>Body</i>	<i>S17400</i>

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-JM4-NP	JM4	3.50 (89.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-JM6-NP	JM6	3.50 (89.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-JM8-NP	JM8	3.43 (92.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM4-NP	MM4	3.64 (92.5)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM6-NP	MM6	3.80 (96.5)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM9-NP	MM9	3.98 (101.0)	1.25 (31.8)	1.00 (25.4)	20,000 (1379)
	HQC4P-HM4-NP	HM4	3.58 (91.0)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM6-NP	HM6	3.84 (97.5)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM9-NP	HM9	4.02 (102.0)	1.25 (31.8)	1.19 (30.2)	30,000 (2068)
	HQC4P-TM9-NP	TM9	3.46 (88.0)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-TM12-NP	TM12	3.58 (91.0)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)
	HQC4P-TM16-NP	TM16	3.60 (91.5)	1.25 (31.8)	1.00 (25.4)	30,000 (2068)

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Fittings

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Subsea Valves

Part Number
Crossover Charts

HQC Series Nipples without Check Valve

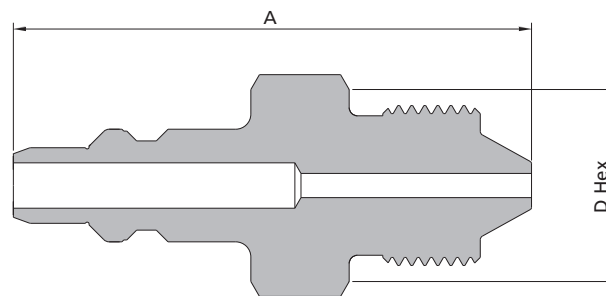
Features

- ⦿ Working pressure up to 30,000 psig (2068 bar)
- ⦿ Stem material: S17400 stainless steel
- ⦿ Push-and-pull type nipple without check valve, incapable of withstanding any pressure when disconnected
- ⦿ Flow coefficient (Cv) up to 0.66

Cautions

- ⦿ Do not disconnect or connect quick couplings when system is pressurized
- ⦿ Do not rotate quick couplings when connected
- ⦿ Take care to protect the nipple and coupler when disconnected

Ordering Information and Dimensions



Type	Ordering Number	Connection	Dimensions, in. (mm)		Working Pressure psig (bar)
			A	D	
Nipple	HQC4P-NS4-NPO	NS4	2.25 (57.1)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS6-NPO	NS6	2.25 (57.1)	1.00 (25.4)	15,000 (1034)
	HQC4P-NS8-NPO	NS8	2.44 (62.0)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS4-NPO	FNS4	2.05 (52.0)	1.00 (25.4)	15,000 (1034)
	HQC4P-FNS6-NPO	FNS6	2.09 (53.0)	1.13 (28.6)	15,000 (1034)
	HQC4P-FNS8-NPO	FNS8	2.36 (60.0)	1.38 (34.9)	15,000 (1034)
	HQC4P-JM4-NPO	JM4	2.24 (56.9)	1.00 (25.4)	20,000 (1379)
	HQC4P-JM6-NPO	JM6	2.24 (57.0)	1.00 (25.4)	20,000 (1379)
	HQC4P-JM8-NPO	JM8	2.35 (59.6)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM4-NPO	MM4	2.37 (60.3)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM6-NPO	MM6	2.52 (64.0)	1.00 (25.4)	20,000 (1379)
	HQC4P-MM9-NPO	MM9	2.69 (68.3)	1.00 (25.4)	20,000 (1379)
	HQC4P-HM4-NPO	HM4	2.31 (58.7)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM6-NPO	HM6	2.56 (65.1)	1.00 (25.4)	30,000 (2068)
	HQC4P-HM9-NPO	HM9	2.81 (71.4)	1.19 (30.2)	30,000 (2068)
	HQC4P-TM9-NPO	TM9	2.19 (55.6)	1.00 (25.4)	30,000 (2068)
	HQC4P-TM12-NPO	TM12	2.32 (58.9)	1.00 (25.4)	30,000 (2068)
	HQC4P-TM16-NPO	TM16	2.33 (59.2)	1.00 (25.4)	30,000 (2068)

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Line Filters

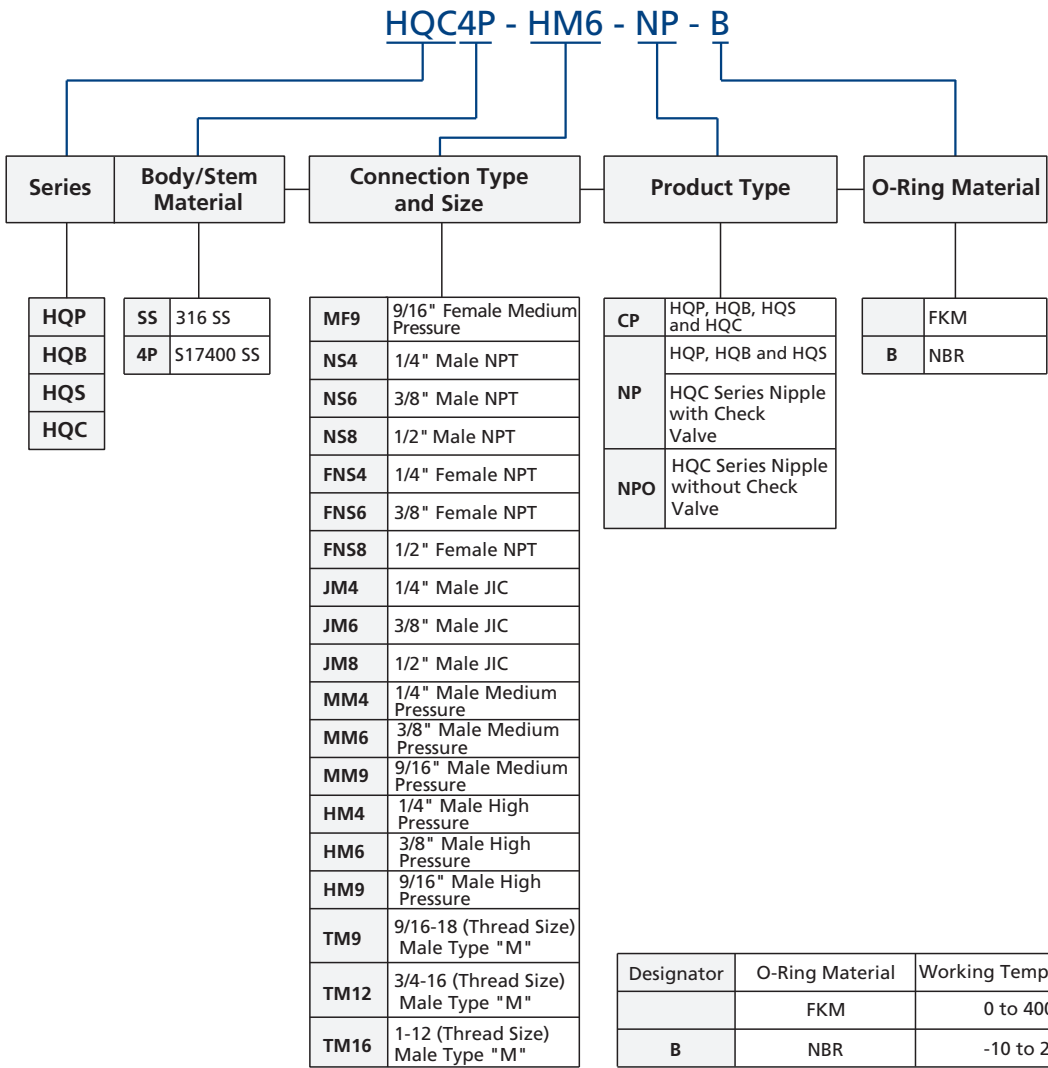
Valves

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Part Number
Crossover Charts

Ordering Number Description



- Notes: 1. For more details regarding Medium/High Pressure connections, please see **Connection Information** on A-02.
2. "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available.