Male/Female Adapters - QSS Male/Female Adapters

Male /female adapters are designed to adapt a female connection to another size and/or type of connection without the need for additional couplings. In selecting an adapter involving two different sized connections, the larger connection should be on the male end where it is possible to maximize the mechanical strength of the adapter.

Materials

All Parker Autoclave Engineers adapters are precision machined from cold-worked Type 316 stainless steel.

To use this chart:

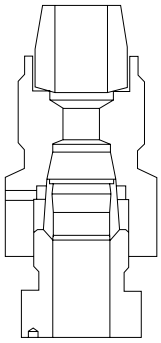
1. Locate MALE end in vertical column.
2. Locate desired FEMALE end of adapter across top of chart.
3. Catalog number of required adapter is located at intersection of columns.
4. For one piece adapter add-OP to suffix of part number.

MALE END	Connection Size and Type			FEMALE END: Quick Set				FEMALE END: Medium Pressure				
				1/4" QS250	3/8" QS375	9/16" QS562	3/4" QS750	1/4" SF250CX	3/8" SF375CX	9/16" SF562CX	3/4" SF750CX	1" SF1000CX
	Fits this Female Connection		Pressure Rating PSI (bar)*	15,000 (1034.20)	15,000 (1034.20)	15,000 (1034.20)	15,000 (1034.20)	20,000 (1378.93)	20,000 (1378.93)	20,000 (1378.93)	20,000 (1378.93)	20,000 (1378.93)
Quick Set	1/4"	QS250	15,000 (1034.20)		15M46QQ	15M49QQ	15M412QQ	15M44Q6	15M46Q6	15M49Q6	15M412Q6	15M416Q6
Quick Set	3/8"	QS375	15,000 (1034.20)	15M64QQ		15M69QQ	15M612QQ	15M64Q6	15M66Q6	15M69Q6	15M612Q6	15M616Q6
Quick Set	9/16"	QS562	15,000 (1034.20)	15M94QQ	15M94QQ		15M912QQ	15M94Q6	15M96Q6	15M99Q6	15M912Q6	15M916Q6
Quick Set	3/4"	QS750	15,000 (1034.20)	15M124QQ	15M126QQ	15M129QQ		15M124Q6	15M126Q6	15M129Q6	15M1212Q6	15M1216Q6
Medium Pressure	1/4"	SF250CX	20,000 (1378.93)	15M44KQ	15M46KQ	15M49KQ	15M412KQ					
Medium Pressure	3/8"	SF375CX	20,000 (1378.93)	15M64KQ	15M66KQ	15M69KQ	15M612KQ					
Medium Pressure	9/16"	SF562CX	20,000 (1378.93)	15M94KQ	15M96KQ	15M99KQ	15M912KQ					
Medium Pressure	3/4"	SF750CX	20,000 (1378.93)	15M124KQ	15M126KQ	15M129KQ	15M1212KQ					
Medium Pressure	1"	SF1000CX	20,000 (1378.93)	15M164KQ	15M166KQ	15M169KQ	15M1612KQ					
High Pressure	1/4"	F250C	60,000 (4136.85)	15M44BQ	15M46BQ	15M49BQ	15M412BQ					
High Pressure	3/8"	F375C	60,000 (4136.85)	15M64BQ	15M66BQ	15M69BQ	15M612BQ					
High Pressure	9/16"	F562C	60,000 (4136.85)	15M94BQ	15M96BQ	15M99BQ	15M912BQ					
National Pipe Thread (NPT)	1/4"	NPT	15,000 (1034.20)	15M44NQ	15M46NQ	15M49NQ	15M412NQ					
National Pipe Thread (NPT)	3/8"	NPT	15,000 (1034.20)	15M64NQ	15M66NQ	15M69NQ	15M612NQ					
National Pipe Thread (NPT)	1/2"	NPT	15,000 (689.45)	15M84NQ	15M86NQ	15M89NQ	15M812NQ					
National Pipe Thread (NPT)	3/4"	NPT	10,000 (689.45)	10M124NQ	10M126NQ	10M129NQ	10M1212NQ					
National Pipe Thread (NPT)	1"	NPT	10,000 (689.45)	10M164NQ	10M166NQ	10M169NQ	10M1612NQ					

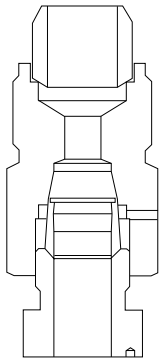
Note:
All Parker Autoclave Engineers adapters are supplied complete with appropriate gland nuts and sleeves unless specified without.
** The maximum pressure rating for an adapter is determined by the connection component with the LOWEST pressure rating; that is, the two end connections and the tubing or pipe used, whichever is LOWER.*
CAUTION: See appropriate pressure section in reference to proper selection of tubing.

NOTE: NPT (Pipe) connections

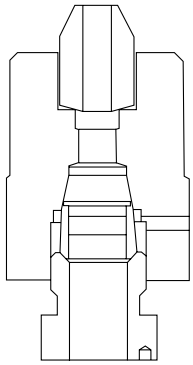
- NPT threads must be sealed using a high quality PTFE tape and/or PTFE paste product. Refer to thread sealant manufacturer's instructions on how to apply thread sealant.
- Sealing performance may vary based on many factors such as pressure, temperature, media, thread quality, thread material, proper thread engagement and proper use of thread sealant.
- Customer should limit the number of times an NPT fitting is assembled and disassembled because thread deformation during assembly will result in deteriorating seal quality over time. When using only PTFE tape, consider using thread lubrication to prevent galling of mating parts.



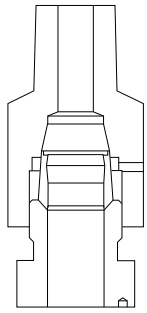
Quick Set Female
to
Quick Set Male



Quick Set Female
to
Medium Pressure Male



Quick Set Female
to
High Pressure Male



Quick Set Female
to
National Pipe Male

FEMALE END							
High Pressure			**National Pipe Thread (NPT)**				
1/4" F250C	3/8" F375C	9/16" F562C	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT
60,000 (4136.85)	60,000 (4136.85)	150,000 (10342.14)	15,000 (1034.20)	15,000 (1034.20)	15,000 (1034.20)	10,000 (689.45)	10,000 (689.45)
15M44Q3	15M46Q3	15M49Q3	15M44Q8	15M46Q8	15M48Q8	10M412Q8	10M416Q8
15M64Q3	15M66Q3	15M69Q3	15M64Q8	15M66Q8	15M68Q8	10M612Q8	10M616Q8
15M94Q3	15M96Q3	15M99Q3	15M94Q8	15M96Q8	15M98Q8	10M912Q8	10M916Q8
15M124Q3	15M126Q3	15M129Q3	15M124Q8	15M126Q8	15M128Q8	10M1212Q8	10M1216Q8

AE Male/Female Adapters are available in a "one-piece" design. They are identical to the two piece designs in length and can be ordered by adding the suffix - OP to the two piece adapter part numbers listed.

For prompt service, Parker Autoclave Engineers stocks select products. Consult factory.factory.

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QS Series

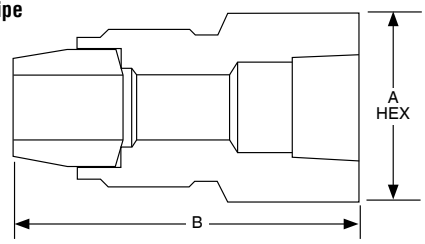
Male End Fits this Connection	Female End	Catalog Number	Dimension inches (mm)	
			A Hex	B
QS250	QS250			
QS250	QS375	15M46QQ		
QS250	QS562	15M49QQ	1.38 (34.9)	2.25 (57.1)
QS250	QS750	15M412QQ		
QS250	SF250CX	15M44Q6		
QS250	SF375CX	15M46Q6		
QS250	SF562CX	15M49Q6		
QS250	SF750CX	15M412Q6		
QS250	SF1000CX	15M416Q6		
QS250	F250C	15M44Q3		
QS250	F375C	15M46Q3		
QS250	F562C	10M49Q3		
QS250	1/4 NPT	15M44Q8	0.75 (19.1)	1.69 (42.9)
QS250	3/8 NPT	15M46Q8		
QS250	1/2 NPT	15M48Q8		
QS250	3/4 NPT	10M412Q8		
QS250	1 NPT	10M416Q8		
QS375	QS250	15M64QQ	0.75 (19.1)	1.53 (38.9)
QS375	QS375			
QS375	QS562	15M69QQ		
QS375	QS750	15M612QQ	1.50 (38.1)	2.78 (70.6)
QS375	SF250CX	15M64Q6		
QS375	SF375CX	15M66Q6	0.75 (19.1)	1.66 (42.2)
QS375	SF562CX	15M69Q6	1.00 (25.4)	1.78 (45.2)
QS375	SF750CX	15M612Q6		
QS375	SF1000CX	15M616Q6		
QS375	F250C	15M64Q3		
QS375	F375C	15M66Q3		
QS375	F562C	15M69Q3		
QS375	1/4 NPT	15M64Q8	0.75 (19.1)	1.66 (42.2)
QS375	3/8 NPT	15M66Q8	1.00 (25.4)	1.78 (45.3)
QS375	1/2 NPT	15M68Q8	1.19 (30.1)	2.16 (54.8)
QS375	3/4 NPT	10M612Q8		
QS375	1 NPT	10M616Q8		

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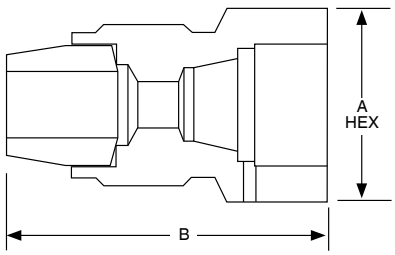
Male End Fits this Connection	Female End	Catalog Number	Dimension inches (mm)	
			A Hex	B
QS562	QS250	15M94QQ	1.00 (25.4)	1.85 (46.8)
QS562	QS375	15M96QQ	1.00 (25.4)	1.85 (46.8)
QS562	QS562			
QS562	QS750	15M912QQ	1.50 (38.1)	3.16 (80.3)
QS562	SF250CX	15M94Q6		
QS562	SF375CX	15M96Q6		
QS562	SF562CX	15M99Q6		
QS562	SF750CX	15M912Q6		
QS562	SF1000CX	15M916Q6		
QS562	F250C	15M94Q3		
QS562	F375C	15M96Q3		
QS562	F562C	15M99Q3		
QS562	1/4 NPT	15M94Q8	1.19 (30.1)	2.22 (56.4)
QS562	3/8 NPT	15M96Q8	1.19 (30.1)	2.22 (56.4)
QS562	1/2 NPT	15M98Q8	1.19 (30.1)	2.41 (61.1)
QS562	3/4 NPT	10M912Q8		
QS562	1 NPT	10M916Q8		
QS750	QS250	15M124QQ		
QS750	QS375	15M126QQ	1.50 (38.1)	2.53 (64.1)
QS750	QS562	15M129QQ	1.50 (38.1)	2.53 (64.1)
QS750	QS750			
QS750	SF250CX	15M124Q6		
QS750	SF375CX	15M126Q6		
QS750	SF562CX	15M129Q6		
QS750	SF750CX	15M1212Q6		
QS750	SF1000CX	15M1216Q6		
QS750	F250C	15M124Q3		
QS750	F375C	15M126Q3		
QS750	F562C	15M129Q3		
QS750	1/4 NPT	15M124Q8		
QS750	3/8 NPT	15M126Q8		
QS750	1/2 NPT	15M128Q8	1.50 (38.1)	2.78 (70.5)
QS750	3/4 NPT	10M1212Q8		
QS750	1 NPT	10M1216Q8		

Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
Note: For pressure rating see selection chart.
All Dimensions for reference only and subject to change.

QSS to Pipe



QSS to QSS

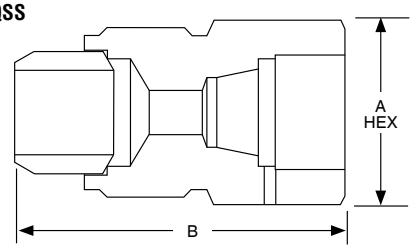


QS Series

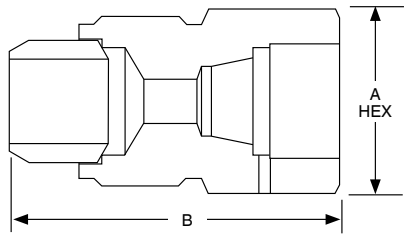
Male End Fits this Connection	Female End	Catalog Number	Dimension inches (mm)	
			A Hex	B
SF250CX	QS250	15M44KQ	0.75 (19.1)	1.68 (42.7)
SF250CX	QS375	15M46KQ	0.81 (20.6)	1.68 (42.7)
SF250CX	QS562	15M49KQ	1.19 (30.1)	2.22 (56.4)
SF250CX	QS750	15M412KQ		
SF375CX	QS250	15M64KQ	0.75 (19.1)	1.63 (41.4)
SF375CX	QS375	15M66KQ	0.81 (20.6)	1.81 (46.1)
SF375CX	QS562	15M69KQ		
SF375CX	QS750	15M612KQ	1.50 (38.1)	3.00 (76.20)
SF562CX	QS250	15M94KQ	0.94 (23.8)	1.75 (44.5)
SF562CX	QS375	15M96KQ	0.94 (23.8)	1.75 (44.5)
SF562CX	QS562	15M99KQ	1.38 (34.9)	2.50 (63.5)
SF562CX	QS750	15M912KQ	1.50 (38.1)	3.25 (82.6)
SF750CX	QS250	15M124KQ		
SF750CX	QS375	15M126KQ		
SF750CX	QS562	15M129KQ		
SF750CX	QS750	15M1212KQ	1.50 (38.1)	3.06 (77.7)
SF1000CX	QS250	15M164KQ		
SF1000CX	QS375	15M166KQ		
SF1000CX	QS562	15M169KQ	1.50 (38.1)	2.88 (73.0)
SF1000CX	QS750	15M1612KQ	1.50 (38.1)	3.38 (85.7)

Male End Fits this Connection	Female End	Catalog Number	Dimension inches (mm)	
			A Hex	B
F250C	QS250	15M44BQ	0.75 (19.1)	1.31 (33.3)
F250C	QS375	15M46BQ	0.81 (20.6)	1.56 (39.7)
F250C	QS562	15M49BQ		
F250C	QS750	15M412BQ		
F375C	QS250	15M64BQ		
F375C	QS375	15M66BQ	0.81 (20.6)	1.69 (42.9)
F375C	QS562	15M69BQ		
F375C	QS750	15M612BQ		
F562C	QS250	15M94BQ	1.19 (30.1)	1.81(46.1)
F562C	QS375	15M96BQ	1.19 (30.1)	1.69 (42.9)
F562C	QS562	15M99BQ	1.38 (34.9)	2.32 (58.8)
F562C	QS750	15M912BQ	1.50 (38.1)	3.06 (77.7)

MP to QSS



HP to QSS



Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
Note: For pressure rating see selection chart.
All Dimensions for reference only and subject to change.
Adapter configurations may vary from outline shown.

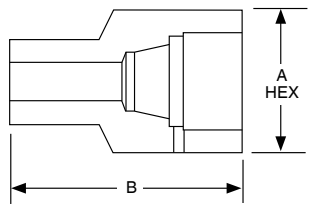
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QS Series

Male End Fits this Connection	Female End	Catalog Number	Dimension inches (mm)	
			A Hex	B
1/4 NPT	QS250	15M44NQ	0.75 (19.1)	1.44 (36.5)
1/4 NPT	QS375	15M46NQ	0.81 (20.6)	1.63 (41.3)
1/4 NPT	QS562	15M49NQ		
1/4 NPT	QS750	15M412NQ		
3/8 NPT	QS250	15M64NQ	0.75 (19.1)	1.50 (38.1)
3/8 NPT	QS375	15M66NQ	0.81 (20.6)	1.63 (41.3)
3/8 NPT	QS562	15M69NQ	1.38 (35.1)	2.13 (53.5)
3/8 NPT	QS750	15M612NQ		
1/2 NPT	QS250	15M84NQ	0.94 (23.8)	1.75 (44.5)
1/2 NPT	QS375	15M86NQ	0.94 (23.8)	1.63 (41.3)
1/2 NPT	QS562	15M89NQ	1.38 (35.1)	2.25 (57.2)
1/2 NPT	QS750	15M812NQ	1.50 (38.1)	2.81 (71.4)
3/4 NPT	QS250	10M124NQ		
3/4 NPT	QS375	10M126NQ		
3/4 NPT	QS562	10M129NQ	1.38 (35.1)	2.38 (60.3)
3/4 NPT	QS750	10M1212NQ	1.50 (38.1)	2.81 (71.4)
1 NPT	QS250	10M164NQ		
1 NPT	QS275	10M166NQ		
1 NPT	QS562	10M169NQ	1.50 (38.1)	2.38 (60.3)
1 NPT	QS750	10M1612NQ	1.50 (38.1)	2.38 (60.3)

NPT to QSS



Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
Note: For pressure rating see selection chart.
All Dimensions for reference only and subject to change.
Adapter configurations may vary from outline shown.

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