# 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.

**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.

**Materials**

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

| FEMALE END | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MALE END | Connection Size and Type | | | Quick Set | | | | 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.



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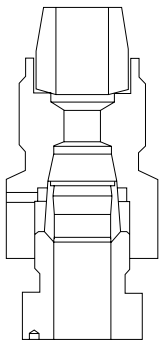
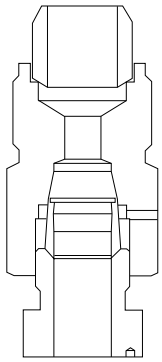
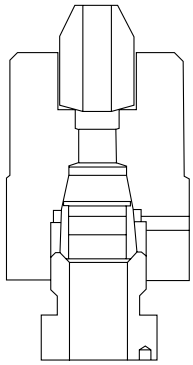


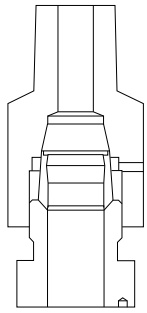
Quick Set Female
to
Quick Set Male



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 |
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*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

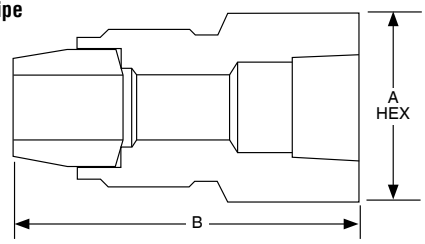
| Male End Fits this Connection | Female End | Catalog Number | Dimension inches (mm) | |
|---|---|---|---|---|
| | | | A Hex | B |
| QS250 | QS250 | | | |
| QS250 | QS375 | 15M46QQ | | |
| QS250 | QS562 | 15M49QQ | 1.38 (34.9) | 2.25 (57.1) |
| QS250 | QS750 | 15M412QQ | | |
| QS250 | SF250CX | 15M44Q6 | | |
| 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 | | |

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

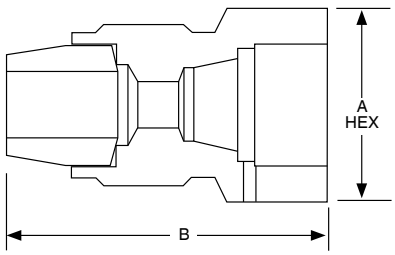
| Male End Fits this Connection | Female End | Catalog Number | Dimension inches (mm) | |
|---|---|---|---|---|
| | | | A Hex | B |
| QS562 | QS250 | 15M94QQ | 1.00 (25.4) | 1.85 (46.8) |
| QS562 | QS375 | 15M96QQ | 1.00 (25.4) | 1.85 (46.8) |
| QS562 | QS562 | | | |
| QS562 | QS750 | 15M912QQ | 1.50 (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**

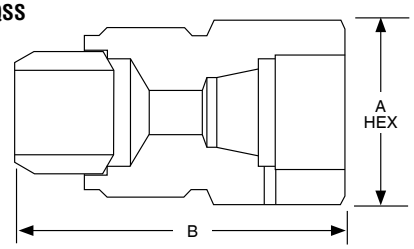


## QS Series

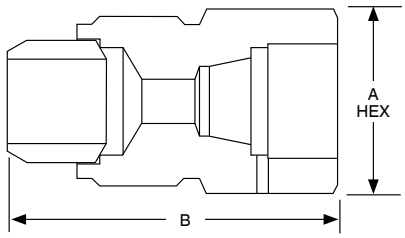
| Male End Fits this Connection | Female End | Catalog Number | Dimension inches (mm) | |
|---|---|---|---|---|
| | | | A Hex | B |
| SF250CX | QS250 | 15M44KQ | 0.75 (19.1) | 1.68 (42.7) |
| SF250CX | QS375 | 15M46KQ | 0.81 (20.6) | 1.68 (42.7) |
| SF250CX | QS562 | 15M49KQ | 1.19 (30.1) | 2.22 (56.4) |
| 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**

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*All Dimensions for reference only and subject to change.*
*Adapter configurations may vary from outline shown.*

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



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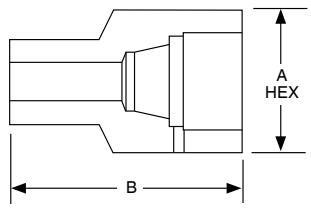
## QS Series

| 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**

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*Adapter configurations may vary from outline shown.*

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