# Adapters/Couplings - Female Tube Caps / Gauge Connectors

## Tube Caps

Parker Autoclave Engineers offers a line of tube caps used to seal the ends of tubing. Caps are used when pressure testing lengths of tubes or capping off sections of systems for isolation or pressure tests.

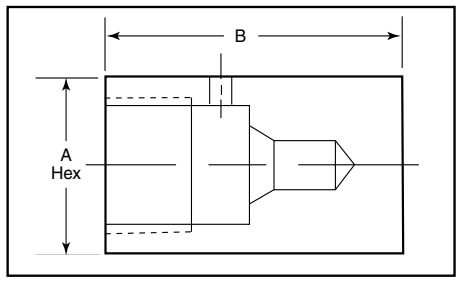



## Female Tube Caps - Low Pressure

| Catalog Number | Connection Type | Outside Diameter Tube-Inches | Pressure Rating psi (bar)* | Dimension inches (mm) | |
|---|---|---|---|---|---|
| | | | | A Hex | B |
| SWTC2 | W125 | 1/8 | 15000 (1034.20) | 0.50 (12.7) | 0.63 (15.9) |
| SWTC4 | SW250 | 1/4 | 15000 (1034.20) | 0.63 (15.9) | 1.00 (25.4) |
| SWTC6 | SW375 | 3/8 | 15000 (1034.20) | 0.75 (19.1) | 1.09 (27.8) |
| SWTC8 | SW500 | 1/2 | 10000 (689.5) | 1.00 (25.4) | 1.25 (31.8) |

## Female Tube Caps - Medium Pressure

| Catalog Number | Connection Type | Outside Diameter Tube-Inches | Pressure Rating psi (bar)* | Dimension inches (mm) | |
|---|---|---|---|---|---|
| | | | | A Hex | B |
| 20TC4X | SF250CX | 1/4 | 20000 (1378.9) | 0.63 (15.9) | 0.81 (20.6) |
| 20TC6X | SF375CX | 3/8 | 20000 (1378.9) | 0.75 (19.1) | 1.13 (28.6) |
| 20TC9X | SF562CX | 9/16 | 20000 (1378.9) | 1.00 (25.4) | 1.38 (34.9) |
| 20TC12X | SF750CX | 3/4 | 20000 (1378.9) | 1.38 (34.9) | 1.75 (44.5) |
| 20TC16X | SF1000CX | 1 | 20000 (1378.9) | 1.75 (44.5) | 2.25 (57.1) |
| 15TC24X | SF1500CX | 1-1/2 | 15000 (1034.2) | 2.25 (57.6) | 3.00 (76.2) |




Tube cap configuration may vary from outline shown.

## Female Tube Caps - High Pressure Tube Caps

| Catalog Number | Connection Type | Outside Diameter Tube-Inches | Pressure Rating psi (bar)* | Dimension inches (mm) | |
|---|---|---|---|---|---|
| | | | | A Hex | B |
| 43TC16 | F1000C | 1 | 43000 (2964.7) | 1.75 (44.5) | 2.25 (57.1) |
| | | | | | |
| 60TC4C | F250C | 1/4 | 60000 (4136.7) | 0.75 (19.1) | 0.75 (19.1) |
| 60TC6C | F375C | 3/8 | 60000 (4136.7) | 1.00 (25.4) | 1.13 (28.6) |
| 60TC9C | F562C | 9/16 | 60000 (4136.7) | 2.25 (57.1) | 1.38 (34.9) |
| 150TC5C | F312C-150 | 5/16 | 150,000 (10342) | 1.19 (30.1) | 2.63 (66.8) |

*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: All tube caps are furnished with connection components unless otherwise specified. All dimensions for reference only and subject to change.

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

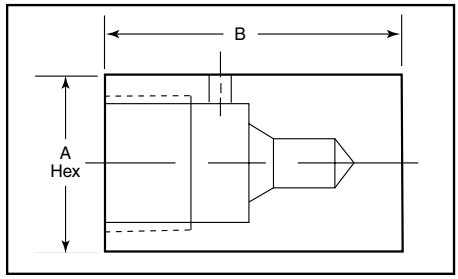


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## Female Tube Caps - JIC

| Catalog Number | Connection Type | Outside Diameter Tube-Inches | Pressure Rating psi (bar) | Dimension inches (mm) | |
|---|---|---|---|---|---|
| | | | | A Hex | B |
| 20JC4 | JIC | 1/4 | 20000 (1378.9) | 0.75 (19.1) | 1.00 (25.4) |
| 20JC6 | JIC | 3/8 | 20000 (1378.9) | 0.94 (23.8) | 1.13 (28.6) |
| 20JC8 | JIC | 1/2 | 20000 (1378.9) | 1.19 (30.1) | 1.31 (58.6) |

* Maximum pressure rating must not exceed rating of tubing used.
Note: All tube caps are furnished with connection components unless otherwise specified.
All dimensions for reference only and subject to change.



Tube cap configuration may vary from outline shown.

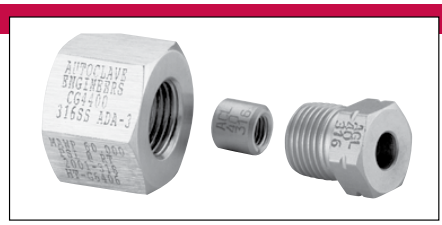
## Female Tube Caps and Plugs - Reverse High Pressure (M Style)

| Catalog Number | Connection Type | Outside Diameter Tube-Inches | Pressure Rating psi (bar) | Dimension inches (mm) | |
|---|---|---|---|---|---|
| | | | | A Hex | B |
| 26RHC16 | RHP Cap | 1 | 26000 (1792.6) | 1.38 (34.9) | 1.13 (28.6) |
| 26RHP16 | RHP Plug | 1 | 26000 (1792.6) | --- | --- |

Both caps and plug required.

## Gauge Connectors

Parker Autoclave Engineers offers a line of gauge connectorsused to connect pressure lines to pressure gauges. Gauge connectors can be connected to gauges with tapered and straight pipe threads, or high-pressure connections.



## Gauge Connectors

| To Fit This Gauge Connection | | | 1/4" NPT | 1/2" NPT | 1/2" NPS |
|---|---|---|---|---|---|
| Seal Type | | | Tube Cone | Tube Cone | Gasket |
| With This Female Tubing Connection | | | 60,000 PSI (4136.8 bar) | 60,000 PSI (4136.8 bar) | 60,000 PSI (4136.8 bar) |
| High Pressure | 1/4" | F250C | CG4400 | CG4800 | CG8400 |
| | 9/16" | F562C | | CG9800 | CG8900 |

## Gauge Connectors

| To Fit This Gauge Connection | | | 1/4" High Pressure F250C |
|---|---|---|---|
| Seal Type | | | H.P. Cone |
| With This Male Tubing Connection | | | 20,000 PSI (1378.9 bar) |
| Medium Pressure | 9/16" | SF562CX | 101F-1707 |

NPT: National Pipe Thread
NPS: National Straight Pipe Thread

Note: For gauge connector without collars and glands, add the following suffix: **-WO**
For gauge connector for sour gas applications, add the following suffix: **-SOG or -SOGWO**

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## Gauge Connectors

| Catalog Number | Gauge Connection Type | Outside Diameter Tube-Inches | Pressure Rating psi (bar) | Dimension inches (mm) A Hex | Dimension inches (mm) B | |
|---|---|---|---|---|---|---|
| CG4400 | Tube Cone | 1/4 | 60000 (4136.7) | 1.00 (25.4) | .813 (20.6) | See Figure 1 |
| CG4800 | Tube Cone | 1/4 | 60000 (4136.7) | 1.19 (30.1) | .94 (23.8) | |
| CG9800 | Tube Cone | 9/16 | 60000 (4136.7) | 1.50 (38.1) | 1.25 (31.8) | |
| | | | | | | |
| CG8400 | Gasket | 1/4 | 60000 (4136.7) | 1.19 (30.1) | 1.19 (30.1) | See Figure 2 |
| CG8900 | Gasket | 9/16 | 60000 (4136.7) | 1.38 (34.9) | 2.25 (57.1) | |
| | | | | | | |
| 101F-1707 | 1/4" High Pressure | 9/16 | 20000 (1379) | 0.63 (15.9) | 2.75 (69.9) | See Figure 3 |

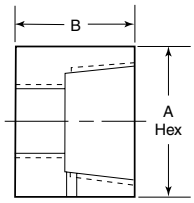



Figure 1
See note 2

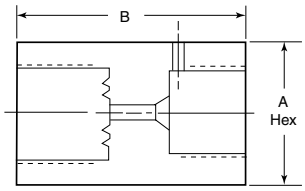



Figure 2

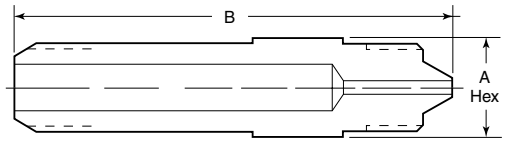



Figure 3

*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: 1) For pressure rating see selection chart. These adapters are not intended as couplings.
2) Operation of this connector will depend on the inlet hole configuration in the gauge. Check to see that tubing will seal.

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02-0127SE January2013

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