Adapters/Couplings - Female Tube Caps / Gauge Connectors

Tube Caps

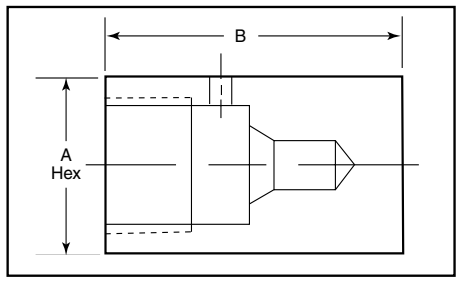
Parker Autoclave Engineers offers a line of tube caps used to seal the ends of tubing. Caps are used when pressure testing lengths of tubes or capping off sections of systems for isolation or pressure tests.

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.

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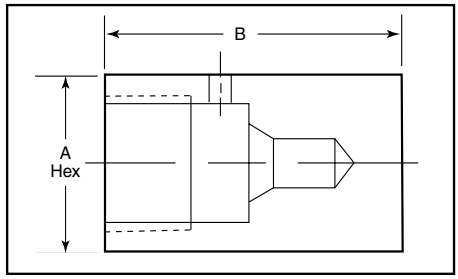
Female Tube Caps - JIC

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.

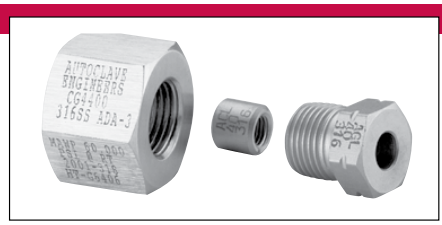
Female Tube Caps and Plugs - Reverse High Pressure (M Style)

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

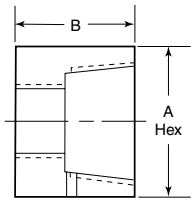

Figure 1
See note 2

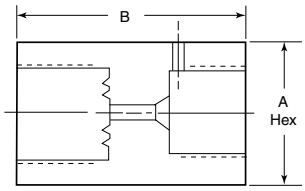

Figure 2

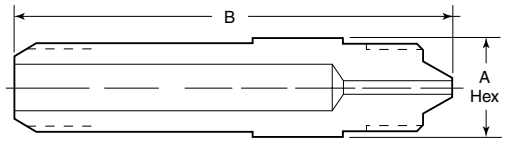

Figure 3

*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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Caution! Parker Autoclave Engineers Valves, Fittings and Tools are not designed to work with common commercial instrument tubing and will only work with tubing built to Parker Autoclave Engineers AES Specifications. Failure to do so will void warranty.

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