P Series Pipe Fittings

Pressures to 15,000 psi (1034 bar)

Since 1945 Parker Autoclave Engineers has designed and built premium quality valves, fittings and tubing. This commitment to engineering and manufacturing excellence has earned Parker Autoclave Engineers a reputation for reliable, efficient product performance. Parker Autoclave Engineers has long been established as the world leader in high pressure fluid handling components for the chemical/petrochemical, research and oil and gas industries.

Pipe Fittings, Tubing and Nipples Features:

- Available sizes are 1/4", 3/8", 1/2", 3/4" and 1"
- Fittings and tubing manufactured from cold worked 316 stainless steel.
- Operating Temperatures from -423°F (-252°C) to 400°F (204°C).

Parker

Autoclave Engineers®

www.autoclave.com

Pipe Fittings

Pressures to 15,000 psi (1034 bar)

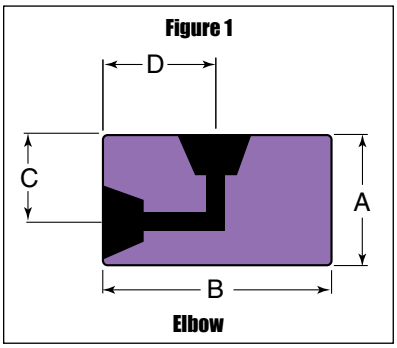
Parker Autoclave Engineers pipe fittings, P Series, are designed for liquid and gas applications. Available from 1/4" to 1" NPT to 15,000 psi and temperatures to 400°F (204°C)

Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Dimensions - inches (mm) A	B	C	D	Block Thickness	Fitting Pattern
Pipe Elbow									
PL4400	1/4" NPT	15,000 (1034.20)	0.42 (10.67)	1.13 (28.58)	1.50 (38.10)	0.75 (19.05)	0.75 (19.05)	0.75 (19.05)	See Figure 1
PL6600	3/8" NPT	15,000 (1034.20)	0.56 (14.22)	1.50 (38.10)	2.00 (50.80)	1.00 (25.40)	1.00 (25.40)	1.00 (25.40)	
PL8800	1/2" NPT	15,000 (1034.20)	0.69 (17.53)	1.88 (47.75)	3.00 (76.20)	1.25 (31.75)	1.50 (38.10)	1.25 (31.75)	
PL12	3/4" NPT	10,000 (689.46)	0.89 (22.61)	2.18 (55.37)	3.00 (76.20)	1.50 (38.10)	1.50 (38.10)	1.38 (35.05)	
PL16	1" NPT	10,000 (689.46)	1.13 (28.58)	2.50 (63.50)	4.12 (104.65)	1.56 (39.67)	2.06 (52.37)	1.75 (44.45)	
Pipe Tee									
PT4440	1/4" NPT	15,000 (1034.20)	0.42 (10.67)	1.13 (28.58)	1.50 (38.10)	0.75 (19.05)	0.75 (19.05)	0.75 (19.05)	See Figure 2
PT6660	3/8" NPT	15,000 (1034.20)	0.56 (14.22)	1.50 (38.10)	2.00 (50.80)	1.00 (25.40)	1.00 (25.40)	1.00 (25.40)	
PT8880	1/2" NPT	15,000 (1034.20)	0.69 (17.53)	1.88 (47.75)	3.00 (76.20)	1.25 (31.75)	1.50 (38.10)	1.25 (31.75)	
PT12	3/4" NPT	10,000 (689.46)	0.89 (22.61)	2.18 (55.37)	3.00 (76.20)	1.50 (38.10)	1.50 (38.10)	1.38 (35.05)	
PT16	1" NPT	10,000 (689.46)	1.13 (28.58)	2.50 (63.50)	4.12 (104.65)	1.56 (39.67)	2.06 (52.37)	1.75 (44.45)	
Pipe Cross									
PX4444	1/4" NPT	15,000 (1034.20)	0.42 (10.67)	1.50 (38.10)	1.50 (38.10)	0.75 (19.05)	0.75 (19.05)	0.75 (19.05)	See Figure 3
PX6666	3/8" NPT	15,000 (1034.20)	0.56 (14.22)	2.00 (50.80)	2.00 (50.80)	1.00 (25.40)	1.00 (25.40)	1.00 (25.40)	
PX8888	1/2" NPT	15,000 (1034.20)	0.69 (17.53)	2.50 (63.50)	3.00 (76.20)	1.25 (31.75)	1.50 (38.10)	1.25 (31.75)	
PX12	3/4" NPT	10,000 (689.46)	0.89 (22.61)	3.00 (76.20)	3.00 (76.20)	1.50 (38.10)	1.50 (38.10)	1.38 (35.05)	
PX16	1" NPT	10,000 (689.46)	1.13 (28.58)	3.13 (79.38)	4.12 (104.65)	1.56 (39.67)	2.06 (52.37)	1.75 (44.45)	

*Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by pipe pressure rating, if lower.
All dimensions for reference only and subject to change.

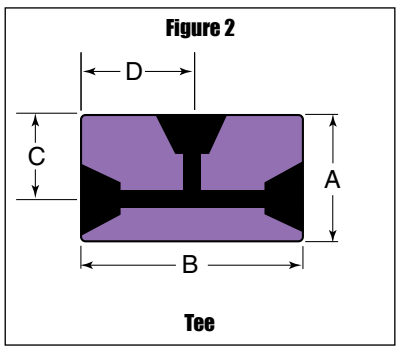
For prompt service, Parker Autoclave Engineers stocks select products. Consult your local representative. For mounting hole option add suffix PM to catalog number. Consult factory for mounting hole dimensions.

Figure 1



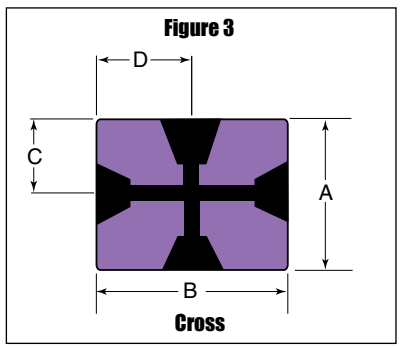
Elbow

Figure 2



Tee

Figure 3



Cross

Pipe Coupling

Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Dimensions - in.(mm) A	Dimensions - in.(mm) B	Fitting Pattern
15F4488	1/4" NPT	15,000 **(1034.20)**	0.42 **(10.67)**	.075 **(19.05)**	1.50 **(38.10)**	**See Figure 4**
15F6688	3/8" NPT	15,000 **(1034.20)**	0.56 **(14.22)**	1.00 **(25.40)**	1.63 **(41.28)**	
15F8888	1/2" NPT	15,000 **(1034.20)**	0.69 **(17.53)**	1.19 **(30.23)**	2.00 **(50.80)**	
10F121288	3/4" NPT	10,000 **(689.46)**	0.89 **(22.61)**	1.38 **(30.06)**	2.75 **(69.90)**	
10F161688	1" NPT	10,000 **(689.46)**	1.13 **(28.58)**	1.75 **(44.50)**	2.50 **(63.50)**	

Pipe Bulkhead Coupling

Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Dimensions - inches (mm) A	B	C	D	E Max	Fitting Pattern
15BF4488	1/4" NPT	15,000 **(1034.20)**	0.42 **(10.67)**	0.94 **(23.80)**	2.00 **(50.80)**	1.00 **(25.40)**	0.63 **(15.75)**	0.38 **(9.53)**	**See Figure 5**
15BF6688	3/8" NPT	15,000 **(1034.20)**	0.56 **(14.22)**	1.13 **(28.60)**	2.38 **(60.50)**	1.38 **(35.05)**	0.79 **(20.07)**	0.38 **(9.53)**	
15BF8888	1/2" NPT	15,000 **(1034.20)**	0.69 **(17.53)**	1.68 **(42.67)**	2.63 **(66.80)**	1.88 **(47.80)**	0.91 **(23.11)**	0.38 **(9.53)**	
10BF121288	3/4" NPT	10,000 **(689.46)**	0.89 **(22.61)**	1.68 **(42.67)**	2.63 **(66.80)**	1.88 **(47.80)**	0.91 **(23.11)**	0.38 **(9.53)**	
10BF161688	1" NPT	10,000 **(689.46)**	1.13 **(28.58)**	1.94 **(49.28)**	3.50 **(88.90)**	1.87+ **(47.50)**	1.50 **(38.10)**	0.38 **(9.53)**	

Pipe Plugs

Catalog Number	Connection Type	Pressure Rating psi (bar)*	Dimensions - in.(mm) A	Dimensions - in.(mm) B	Fitting Pattern
PP40	1/4" NPT	15,000 **(1034.20)**	0.63 **(16.00)**	1.12 **(28.45)**	**See Figure 6**
PP60	3/8" NPT	15,000 **(1034.20)**	0.75 **(19.05)**	1.12 **(28.45)**	
PP80	1/2" NPT	15,000 **(1034.20)**	1.00 **(25.40)**	1.50 **(38.10)**	
PP120	3/4" NPT	10,000 **(689.46)**	1.38 **(35.05)**	1.50 **(38.10)**	
PP160	1" NPT	10,000 **(689.46)**	1.38 **(35.05)**	1.88 **(47.75)**	

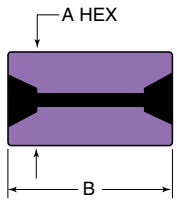
*Maximum pressure rating is based on the lowest rating of any component.
+ distance across flats

All dimensions for reference only and subject to change.
For prompt service, Parker Autoclave Engineers stocks select products.
Consult your local representative.

NOTE: NPT (Pipe) Connections:
- NPT threads must be sealed using a high quality PTFE tape and/or 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.

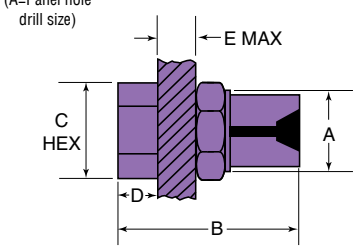
NOTE: Special material components may be supplied with four flats in place of standard hex.

Figure 4



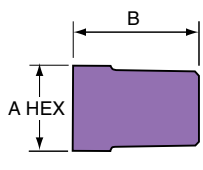
Coupling

Figure 5



Bulkhead Coupling

Figure 6

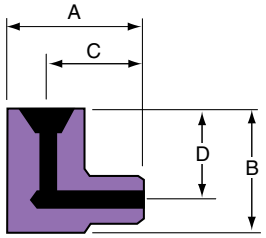


Plugs

Pressures to 15,000 (1034 bar)

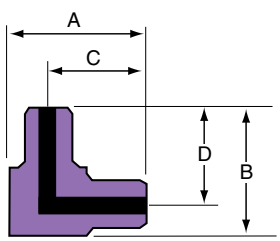
Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Dimensions - inches (mm) A	B	C	D	Block Thickness	Fitting Pattern
Street Pipe Elbow									
SPL4400	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	1.50 **(38.10)**	1.50 **(38.10)**	1.13 **(28.70)**	1.00 **(25.40)**	0.75 **(19.05)**	**See Figure 1**
SPL6600	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	1.75 **(44.75)**	1.50 **(38.10)**	1.25 **(31.75)**	1.00 **(25.40)**	1.00 **(25.40)**	
SPL8800	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	2.25 **(57.15)**	2.00 **(50.80)**	1.63 **(41.40)**	1.25 **(31.75)**	1.25 **(31.75)**	
SPL12	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	2.50 **(63.50)**	2.62 **(66.55)**	1.75 **(44.45)**	1.31 **(33;27)**	1.50 **(38.10)**	
SPL16	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	4.12 **(104.65)**	2.50 **(63.50)**	2.69 **(68.33)**	1.75 **(44.45)**	1.75 **(44.45)**	
Male Pipe Elbow									
MPL4400	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	1.50 **(38.10)**	1.50 **(38.10)**	1.13 **(28.70)**	1.13 **(28.70)**	0.75 **(19.05)**	**See Figure 2**
MPL6600	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	1.75 **(44.45)**	1.75 **(44.45)**	1.25 **(31.75)**	1.25 **(31.75)**	1.00 **(25.40)**	
MPL8800	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	2.00 **(50.80)**	2.00 **(50.80)**	1.50 **(38.10)**	1.50 **(38.10)**	1.00 **(25.40)**	
MPL12	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	2.62 **(66.55)**	2.62 **(66.55)**	1.75 **(44.45)**	1.75 **(44.45)**	1.50 **(38.10)**	
MPL16	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	3.00 **(76.20)**	3.00 **(76.20)**	2.13 **(54.10)**	2.13 **(54.10)**	1.38 **(35.05)**	
Male Pipe Tee									
MPT4440	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	2.25 **(57.15)**	1.50 **(38.10)**	1.13 **(28.70)**	1.13 **(28.70)**	0.75 **(19.05)**	**See Figure 3**
MPT6660	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	2.50 **(63.50)**	1.75 **(44.45)**	1.75 **(44.45)**	1.25 **(31.75)**	1.00 **(25.40)**	
MPT8880	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	3.00 **(76.20)**	2.00 **(50.80)**	1.50 **(38.10)**	1.50 **(38.10)**	1.00 **(25.40)**	
MPT12	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	3.50 **(88.90)**	2.62 **(66.55)**	1.75 **(44.45)**	1.75 **(44.45)**	1.50 **(38.10)**	
MPT16	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	4.12 **(104.65)**	3.00 **(76.20)**	2.13 **(54.10)**	2.13 **(54.10)**	1.75 **(44.45)**	

Figure 1



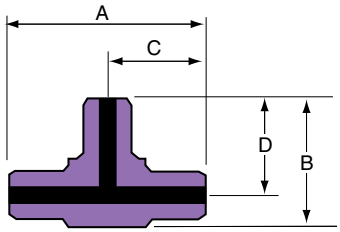
Street Elbow

Figure 2



Male Elbow

Figure 3



Male Tee

Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Dimensions - inches (mm)				Block Thickness	Fitting Pattern
				A	B	C	D		

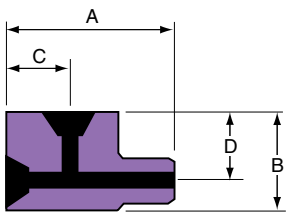
Street Pipe Tee

SPT4440	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	2.00 **(50.80)**	1.38 **(35.05)**	0.81 **(20.57)**	1.00 **(25.40)**	0.75 **(19.05)**	**See Figure 4**
SPT6660	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	2.50 **(63.50)**	1.50 **(38.10)**	1.00 **(25.40)**	1.00 **(25.40)**	1.00 **(25.40)**	
SPT8880	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	3.00 **(76.20)**	1.75 **(44.45)**	1.50 **(38.10)**	1.25 **(31.75)**	1.25 **(31.75)**	
SPT12	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	3.12 **(79.25)**	2.62 **(66.55)**	1.38 **(35.05)**	1.31 **(33.27)**	1.50 **(38.10)**	
SPT16	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	4.12 **(104.65)**	3.00 **(76.20)**	2.13 **(54.10)**	2.13 **(54.10)**	1.75 **(44.45)**	

Male Branch Tee

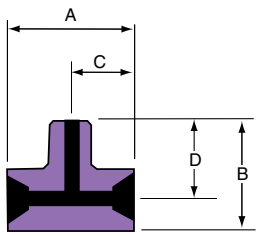
BPT4440	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	2.00 **(50.80)**	1.50 **(38.10)**	1.00 **(25.40)**	1.13 **(28.70)**	0.75 **(19.05)**	**See Figure 5**
BPT6660	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	2.00 **(50.80)**	1.75 **(44.45)**	1.00 **(25.40)**	1.25 **(31.75)**	1.00 **(25.40)**	
BPT8880	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	3.00 **(76.20)**	2.25 **(57.15)**	1.50 **(38.10)**	1.62 **(41.15)**	1.25 **(31.75)**	
BPT12	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	3.00 **(76.20)**	2.50 **(63.50)**	1.50 **(38.10)**	1.75 **(44.45)**	1.38 **(35.05)**	
BPT16	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	4.12 **(104.65)**	3.00 **(76.20)**	2.06 **(52.32)**	2.13 **(54.10)**	1.75 **(44.45)**	

Figure 4



Street Tee

Figure 5



Branch Tee

NOTE: NPT (Pipe) Connections:

- NPT threads must be sealed using a high quality PTFE tape and/or 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.

Pipe Hex Nipples

Pressures to 15,000 psi (1034 bar)

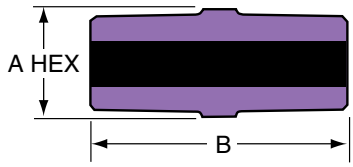
For rapid system make-up, Parker Autoclave Engineers supplies pipe nipples in various sizes and lengths for pipe valves and fittings.

Special lengths

In addition to the standard lengths listed in the table below, nipples are available in custom lengths. Consult factory.

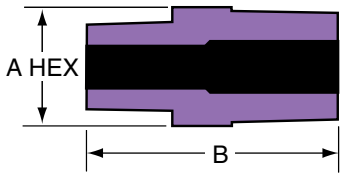
Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Dimensions - in.(mm) A Hex	Dimensions - in.(mm) B	Fitting Pattern
Pipe Hex Close Nipples						
15MAP4P4	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	0.63 **(16.00)**	1.81 **(46.02)**	**See Figure 1**
15MAP6P6	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	0.75 **(19.05)**	1.88 **(47.63)**	
15MAP8P8	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	0.94 **(23.88)**	2.50 **(63.50)**	
10MAP12P12	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	1.19 **(30.23)**	2.50 **(63.50)**	
10MAP16P16	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	1.38 **(35.05)**	3.19 **(81.03)**	
Pipe Hex Nipples						
15MAP4P4-4	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	0.63 **(16.00)**	4.00 **(101.60)**	**See Figure 1**
15MAP4P4-6	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	0.63 **(16.00)**	6.00 **(152.40)**	
15MAP4P4-8	1/4" NPT	15,000 **(1034.20)**	0.219 **(5.54)**	0.63 **(16.00)**	8.00 **(203.20)**	
15MAP6P6-4	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	0.75 **(19.05)**	4.00 **(101.60)**	
15MAP6P6-6	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	0.75 **(19.05)**	6.00 **(152.40)**	
15MAP6P6-8	3/8" NPT	15,000 **(1034.20)**	0.297 **(7.54)**	0.75 **(19.05)**	8.00 **(203.20)**	
15MAP8P8-4	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	0.94 **(23.88)**	4.00 **(101.60)**	
15MAP8P8-6	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	0.94 **(23.88)**	6.00 **(152.40)**	
15MAP8P8-8	1/2" NPT	15,000 **(1034.20)**	0.359 **(9.12)**	0.94 **(23.88)**	8.00 **(203.20)**	
10MAP12P12-4	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	1.19 **(30.23)**	4.00 **(101.60)**	
10MAP12P12-6	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	1.19 **(30.23)**	6.00 **(152.40)**	
10MAP12P12-8	3/4" NPT	10,000 **(689.46)**	0.609 **(14.47)**	1.19 **(30.23)**	8.00 **(203.20)**	
10MAP16P16-4	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	1.38 **(35.05)**	4.00 **(101.60)**	
10MAP16P16-6	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	1.38 **(35.05)**	6.00 **(152.40)**	
10MAP16P16-8	1" NPT	10,000 **(689.46)**	0.765 **(19.43)**	1.38 **(35.05)**	8.00 **(203.20)**	
Pipe Hex Reducer Nipples						
15MAP4P6	1/4" to 3/8" NPT	15,000 **(1034.20)**	0.203 **(5.16)**	0.75 **(19.05)**	1.88 **(47.75)**	**See Figure 2**
15MAP4P8	1/4" to 1/2" NPT	15,000 **(1034.20)**	0.203 **(5.16)**	0.94 **(23.88)**	2.31 **(58.67)**	
10MAP8P16	1/2" to 1" NPT	10,000 **(689.46)**	0.375 **(9.53)**	1.38 **(35.05)**	2.88 **(73.15)**	
10MAP12P16	3/4" to 1" NPT	10,000 **(689.46)**	0.500 **(12.70)**	1.38 **(35.05)**	2.94 **(74.68)**	

Figure 1



Pipe Nipple

Figure 2



Reducer Nipple

Special material filters may be supplied with four flats in place of standard hex.

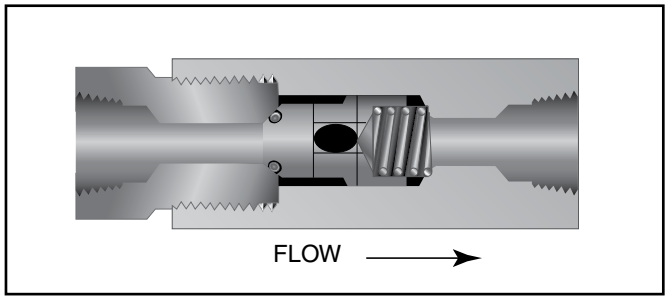
*Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by tubing pressure rating, if lower.

All dimensions for reference only and subject to change.

Pipe Check Valves

Pressures to 15,000 (1034 bar)

Pipe O-Ring Check Valves



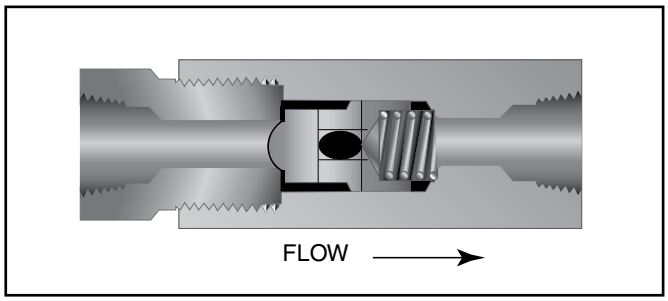
Minimum operating temperature for standard o-ring check valves 0°F (-17.8°C).

Provides unidirectional flow and tight shut-off for liquids and gas with high reliability. When differential drops below cracking pressure*, valve shuts off. **(Not for use as relief valve.)**

Materials: 316 Stainless Steel: body, cover, poppet, cover gland. 300 Series Stainless Steel: spring
Standard O-ring: Viton, for operation to 400° F (204°C). Buna-N or PTFE available for 250°F (121°C) or 400°F (204°C) respectively; specify when ordering.

***Cracking Pressure:** 20 psi (1.38 bar) ±30%. Springs for higher cracking pressures (up to 100 psi (6.89 bar)) available on special order for O-ring style check valves only.

Pipe Ball Check Valves



Minimum operating temperature for pipe ball check valves 0°F (-17.8°C).

Prevents reverse flow where **leak-tight shut-off is not mandatory**. When differential drops below cracking pressure, valve closes. With all-metal components, valve can be used up to 400°F (204°C). See Technical Information section for connection temperature limitations. (Not for use as a relief valve.)

Ball and poppet are an integral design to assure positive, in-line seating without “chatter”. Poppet is designed essentially for axial flow with minimum pressure drop.

Materials: 316 Stainless Steel: body, cover, ball poppet, cover gland. 300 Series Stainless Steel: ball, spring.

CAUTION: *While testing has shown O-Rings to provide satisfactory service life, both cyclic and shelf life may vary widely with differing service conditions, properties of reactants, pressure and temperature cycling and age of the O-ring. FREQUENT INSPECTIONS SHOULD BE MADE to detect any deterioration, and O-rings replaced as required.*

Special material check valves may be supplied with four flats in place of standard hex.

Pipe Check Valves

Catalog Number	Connection Type	Pressure Rating psi (bar)*	Minimum Opening	Rated Cv	Dimensions - inches (mm)				Fitting Pattern
					A	B	C Hex	D Hex	
Pipe O-Ring Check Valves									
CPO4400	1/4" NPT	15,000 **(1034.20)**	0.12 **(3.05)**	.28	3.37 **(85.60)**	2.38 **(60.33)**	0.81 **(20.57)**	0.81 **(20.57)**	**See Figure 1**
CPO6600	3/8" NPT	15,000 **(1034.20)**	0.22 **(5.59)**	.84	3.95 **(100.33)**	2.88 **(73.15)**	1.00 **(25.40)**	1.00 **(25.40)**	
CPO8800	1/2" NPT	15,000 **(1034.20)**	0.36 **(9.14)**	2.30	5.36 **(136.14)**	3.88 **(98.55)**	1.38 **(35.05)**	1.19 **(30.23)**	
CPO12	3/4" NPT	10,000 **(689.46)**	0.52 **(13.21)**	4.70	6.29 **(159.77)**	4.75 **(120.65)**	1.75 **(44.45)**	1.38 **(35.05)**	
CPO16	1" NPT	10,000 **(689.46)**	0.69 **(17.53)**	7.40	7.71 **(195.83)**	5.75 **(146.05)**	1.88+ **(47.75)**	1.88 **(47.75)**	
Pipe Ball Check Valves									
CPB4400	1/4" NPT	15,000 **(1034.20)**	0.12 **(3.05)**	.28	3.37 **(85.60)**	2.38 **(60.33)**	0.81 **(20.57)**	0.81 **(20.57)**	**See Figure 1**
CPB6600	3/8" NPT	15,000 **(1034.20)**	0.22 **(5.59)**	.84	3.95 **(100.33)**	2.88 **(73.15)**	1.00 **(25.40)**	1.00 **(25.40)**	
CPB8800	1/2" NPT	15,000 **(1034.20)**	0.36 **(9.12)**	2.30	5.36 **(136.14)**	3.88 **(98.55)**	1.38 **(35.05)**	1.19 **(30.23)**	
CPB12	3/4" NPT	10,000 **(689.46)**	0.52 **(13.21)**	4.70	6.29 **(159.77)**	4.75 **(120.65)**	1.75 **(44.45)**	1.38 **(35.05)**	
CPB16	1" NPT	10,000 **(689.46)**	0.69 **(17.53)**	7.40	7.71 **(195.83)**	5.75 **(146.05)**	1.88+ **(47.75)**	1.88 **(47.75)**	

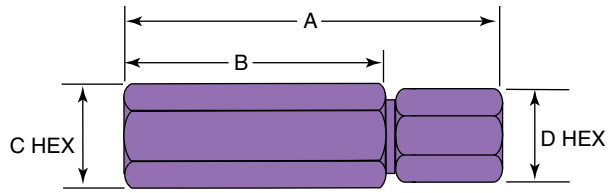
*Maximum pressure rating is based on the lowest rating of any component.
+ distance across flats

All dimensions for reference only and subject to change.
For prompt service, Parker Autoclave stocks select products. Consult your local representative.

NOTE: NPT (Pipe) Connections:

- NPT threads must be sealed using a high quality PTFE tape and/or 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.

Figure 1



WARNING

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