Parker Autoclave Engineers: Fluid Components Product Catalog

February 2013











Valves, Fittings and Tubing

Pressures to 150,000 psi (10,000 bar)

aerospace climate control electromechanical filtration fluid & gas handling hydraulics pneumatics process control sealing & shielding





Fittings and Tubing

Low Pressure

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.

Low Pressure Fittings and Tubing Features:

- Single-ferrule compression sleeve.
- Fast easy make-up of connection.
- Available sizes are 1/16", 1/8", 1/4", 3/8", & 1/2".
- Fittings manufactured from cold worked 316 stainless steel.
- Tubing is manufactured from dual rated 316/316L and 304/304L annealed stainless steel.
- All items available in special materials.
- Operating temperatures from -100°F (-73°C) to 650°F (343°C).
- Molybdenum disulfide-coated gland nuts to prevent galling.

The Low Pressure Series uses Parker Autoclave Engineers' SpeedBite connection. This singleferrule compression sleeve connection delivers fast, easy make-up and reliable bubble-tight performance, in liquid or gas service.











Fittings and Tubing - Low Pressure Check Valves

Catalog	Fits Connection	Pressure	Orifice	Rated	Dimensions - inches (mm)					
Number	Туре	psi (bar)*	(mm)	Cv	А	В	С	D Typical	Hex	

O-Ring Check Valves

SW02200	W125	15,000	0.094	0.15	2.25	1.88	0.31	0.50	0.63
		(1034.19)	(2.39)		(57.15)	(47.75)	(7.87)	(12.70)	(15.88)
SW04400	SW250	15,000	0.188	0.63	3.18	2.56	0.44	0.63	0.81
		(1034.19)	(4.78)		(80.77)	(65.02)	(11.18)	(16.00)	(20.57)
SW06600	SW375	15,000	0.250	1.70	3.56	3.00	0.53	0.75	1.00
		(1034.19)	(6.35)		(90.42)	(76.20)	(13.46)	(19.05)	(25.40)
SW08800	SW500	10,000	0.375	3.40	4.18	3.50	0.53	0.93	1.38
		(689.46)	(9.53)		(106.17)	(88.90)	(13.46)	(23.62)	(35.05)

Ball Check Valves

SWB2200	W125	15,000	0.094	0.15	2.25	1.88	0.31	0.50	0.63
		(1034.19)	(2.39)		(57.15)	(47.75)	(7.87)	(12.70)	(15.88)
SWB4400	SW250	15,000	0.188	0.63	3.18	2.56	0.44	0.63	0.81
		(1034.19)	(4.78)		(80.77)	(65.02)	(11.18)	(16.00)	(20.57)
SWB6600	SW375	15,000	0.250	1.70	3.56	3.00	0.53	0.75	1.00
		(1034.19)	(6.35)		(90.42)	(76.20)	(13.46)	(19.05)	(25.40)
SWB8800	SW500	10,000	0.375	3.40	4.18	3.50	0.53	0.93	1.38
		(689.46)	(9.53)		(106.17)	(88.90)	(13.46)	(23.62)	(35.05)

Ball Type Excess Flow Valves

SWK2202	W125	15,000	0.094	0.012+	2.25	1.88	0.31	0.50	0.63
		(1034.19)	(2.39)		(57.15)	(47.75)	(7.87)	(12.70)	(15.88)
SWK4402	SW250	15,000	0.188	0.037+	3.18	2.56	0.44	0.63	0.81
		(1034.19)	(4.78)		(80.77)	(65.02)	(11.18)	(16.00)	(20.57)
SWK6602	SW375	15,000	0.250	0.104+	3.56	3.00	0.53	0.75	1.00
		(1034.19)	(6.35)		(90.42)	(76.20)	(13.46)	(19.05)	(25.40)
SWK8802	SW500	10,000	0.375	0.212+	4.18	3.50	0.53	0.93	1.38
		(689.46)	(9.53)		(106.17)	(88.90)	(13.46)	(23.62)	(35.05)

O-Ring Type Excess Flow Valves

SWK04400	SW-250	15,000	0.188	3++	3.12	2.56	0.44	0.63	0.81
		(1034.19)	(4.78)		(79.25)	(65.02)	(11.18)	(16.00)	(20.57)
SWK06600	SW-375	15,000	0.250	5++	3.50	3.00	0.53	0.75	1.00
		(1034.19)	(6.35)		(88.90)	(76.20)	(13.46)	(19.05)	(25.40)
SWK08800	SW-500	10,000	0.375	10++	4.31	3.50	0.53	0.93	1.38
		(689.46)	(9.53)		(109.47)	(88.90)	(13.46)	(23.62)	(35.05)

Note:

All check valves are furnished complete with connection components unless otherwise specified.

The 1/16" Tubing System is a complete system for use with all 1/8" components for pressure to 15,000 psi (1034 bar). Consult factory.

+ - Check Flow** - water, GPM ++ - Check Flow** - CFM, nitrogen @ 500 psi (34.47 bar), RT

** - For flow using alternate fluids, consult Parker Autoclave Engineers.

*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.

For prompt service, Parker Autoclave stocks select products. Consult your local representative.



Fittings, Tubing & Nipples

Medium Pressure

Pressures to 20,000 psi (1379 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.



Medium Pressure Fittings, Tubing and Nipples Features:

- Coned-and-Threaded Connection.
- Available sizes are 1/4", 3/8", 9/16", 3/4", 1" and 1-1/2".
- Fittings manufactured from cold worked 316 stainless steel.
- Tubing is manufactured from dual rated 316/316L and 304/304L cold worked stainless steel.
- Operating Temperatures from -423°F (-252°C) to 1200°F (649°C).
- Anti-vibration connection components available.
- All items available in special material.

The medium pressure series uses Parker Autoclave Engineers medium pressure connection. This coned-and-threaded connection features orifice sizes to match the high flow characteristics of this series.







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Medium Pressure Check Valves

Catalog	Fits Connection	Pressure	Orifice	Rated	Dimensions - inches (mm)					
Number	Type	psi (bar)*	inches (mm)	C _V	А	В	С	D Typical	Hex	

O-Ring Check Valves

CX04400	SF250CX	20,000	0.125	0.28	2.94	2.50	0.38	0.50	0.81
		(1378.93)	(3.18)		(74.68)	(63.50)	(9.53)	(12.70)	(20.57)
CX06600	SF375CX	20,000	0.218	0.84	3.12	2.62	0.47	0.62	1.00
		(1378.93)	(5.54)		(79.25)	(66.55)	(11.94)	(15.75)	(25.40)
CX09900	SF562CX	20,000	0.359	2.30	4.18	3.50	0.53	0.94	1.38
		(1378.93)	(9.12)		(106.17)	(88.90)	(13.46)	(23.88)	(35.05)
CX012	SF750CX	20,000	0.516	4.70	5.50	4.75	0.62	1.19	1.75
		(1378.93)	(13.11)		(139.70)	(120.65)	(15.75)	(30.23)	(44.45)
CX016	SF1000CX	20,000	0.688	7.40	6.63	5.75	0.72	1.38	1.88 [†]
		(1378.93)	(17.48)		(168.40)	(146.05)	(18.29)	(35.05)	(47.75)
CX024	SF1500CX	15,000	0.94	14.00	9.01	7.25	1.12	1.88	3.00 [†]
		(1034.20)	(23.80)		(228.85)	(184.15)	(28.45)	(47.75)	(76.20)

Ball Check Valves

CXB4400	SF250CX	20,000	0.125	0.28	2.94	2.50	0.38	0.50	0.81
		(1378.93)	(3.18)		(74.68)	(63.50)	(9.53)	(12.70)	(20.57)
CXB6600	SF375CX	20,000	0.218	0.84	3.12	2.62	0.47	0.62	1.00
		(1378.93)	(5.54)		(79.25)	(66.55)	(11.94)	(15.75)	(25.40)
CXB9900	SF562CX	20,000	0.359	2.30	4.18	3.50	0.53	0.94	1.38
		(1378.93)	(9.12)		(106.17)	(88.90)	(13.46)	(23.88)	(35.05)
CXB12	SF750CX	20,000	0.516	4.70	5.50	4.75	0.62	1.19	1.75
		(1378.93)	(13.11)		(139.70)	(120.65)	(15.75)	(30.23)	(44.45)
CXB16	SF1000CX	20,000	0.688	7.40	6.63	5.75	0.72	1.38	1.88 [†]
		(1378.93)	(17.48)		(168.40)	(146.05)	(18.29)	(35.05)	(47.75)
CXB24	SF1500CX	15,000	0.94	14.00	9.01	7.25	1.12	1.88	3.00†
		(1034.20)	(23.80)		(228.85)	(184.15)	(28.45)	(47.75)	(76.20)

Ball Type Excess Flow Valves

CXK4402	SF250CX	20,000	0.125	0.037+	2.94	2.50	0.38	0.50	0.81
		(1378.93)	(3.18)		(74.68)	(63.50)	(9.65)	(12.70)	(20.57)
CXK6602	SF375CX	20,000	0.218	0.066+	3.12	2.62	0.47	0.62	1.00
		(1378.93)	(5.54)		(79.25)	(66.55)	(11.94)	(15.75)	(25.40)
CXK9902	SF562CX	20,000	0.359	.212+	4.18	3.50	0.53	0.94	1.38
		(1378.93)	(9.12)		(106.17)	(88.90)	(13.46)	(23.88)	(35.05)
CXK1202	SF750CX	20,000	0.516	.368+	5.12	4.38	0.62	1.19	1.75
		(1378.93)	(13.11)		(130.05)	(111.25)	(15.75)	(30.23)	(44.45)
CXK1602	SF1000CX	20,000	0.688	.864+	6.50	5.62	0.72	1.38	1.88 [†]
		(1378.93)	(17.48)		(165.10)	(142.75)	(18.29)	(35.05)	(47.75)

Note:

* Check Flow - water, GPM

For flow rates using alternate fluids, consult Parker Autoclave Engineers.

 $^{\ast}\mbox{Maximum}$ 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. For prompt service, Parker Autoclave Engineers stocks select products. Consult your local representative.



Fittings and Tubing

QS Series Medium Pressure

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.



QS Medium Pressure Fittings and Tubing:

- Available sizes are 1/4, 3/8, 9/16, 3/4 and 1".
- Fittings and tubing manufactured from high strength stainless steel.
- Molybdenum disulfide-coated gland nuts to prevent galling.
- Gland nut positioning mark for assembly.
- Single-ferrule compression sleeve.
- Connection weep holes for safety and leak detection.
- Fast easy make-up of connection.
- Operating Temperatures from 0°F (-17.8°C) to 650°F (343°C).
- 1" QS fitting bodies are 2507 Super Duplex standard.

The Medium Pressure QS Series uses Parker Autoclave Engineers' Quick Set compression sleeve design. This single-ferrule compression sleeve connection delivers fast, easy make-up and reliable bubble-tight performance in liquid or gas service.





Cheek Valves - QS Series

Pressures to 15,000 psi (1034 bar)

O-Ring Check Valves



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

Ball Check Valves



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

Provide unidirectional flow and tight shut-off for liquids and gases 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 Stainless Steel: Spring. Except 1" - see note below. 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 (6.89bar)) available on special order for O-ring style check valves only.

Prevent 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 650°F (343°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, cover gland, ball poppet. 300 Series Stainless Steel: Spring. Except 1" - see note below.

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.

CAUTION: See Tubing section for proper selection of tubing.

Catalog	Fits Pressure Connection Rating	Orifice	Rated	Dimensions - inches (mm)					
Number	Type	psi (bar)*	(mm)	C _V	A	В	С	D Typical	Hex

O-Ring Check Valves

QS04400	QS250	15,000 (1034.20)	0.188 (4.78)	0.15	3.18 (80.77)	2.56 (65.02)	0.44 (11.18)	0.63 (16.00)	0.81 (20.57)	
QS06600	QS375	15,000 (1034.20)	0.312 (7.93)	0.63	3.56 (90.42)	3.00 (76.20)	0.53 (13.46)	0.75 (19.05)	1.00 (25.40)	
QS09900	QS562	15,000 (1034.20)	0.359 (9.12)	2.30	5.21 (132.33)	4.50 (114.30)	0.81 (20.57)	1.19 (30.18)	1.75 (44.45)	See Figure 1
QS012	QS750	15,000 (1034.20)	0.516 (13.11)	4.70	6.40 (162.56)	5.50 (139.70)	1.03 (26.16)	1.50 (38.10)	1.88 [†] (47.75)	i iguio i
QS016	QSF1000	15,000 (1034.20)	0.688 (17.48)	14.00	8.92 (226.57)	7.52 (191.01)	1.19 (30.23)	1.75 (44.45)	3.00 (76.20)	

Ball Check Valves

QSB4400	QS250	15,000	0.188	0.15	3.18	2.56	0.44	0.63	0.81	
		(1034.20)	(4.78)		(80.77)	(65.02)	(11.18)	(16.00)	(20.57)	
QSB6600	QS375	15,000	0.312	0.63	3.56	3.00	0.53	0.75	1.00	
		(1034.20)	(7.93)		(90.42)	(76.20)	(13.46)	(19.05)	(25.40)	
QSB9900	QS562	15,000	0.359	2.30	5.21	4.50	0.81	1.19	1.75	See
		(1034.20)	(9.12)		(132.33)	(114.30)	(20.57)	(30.18)	(44.45)	Figure 1
QSB12	QS750	15,000	0.516	4.70	6.40	5.50	1.03	1.50	1.88 [†]	
		(1034.20)	(13.11)		(162.56)	(139.70)	(26.16)	(38.10)	(47.75)	
QSB16	QS1000	15,000	0.688	14.00	8.92	7.52	1.19	1.75	3.00	
		(1034.20)	(17.48)		(226.57)	(191.01)	(30.23)	(44.45)	(76.20)	

[†]Distance across flats

Note:

All check valves are furnished complete with connection components unless otherwise specified.

*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.

For prompt service, Parker Autoclave stocks select products. Consult your local representative.

1" check valve bodies, cover, cover gland and poppet is 2507 Super Duplex standard.



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Fitings, Tubing & Nipples

High Pressure

Pressures to 150,000 psi (10342 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, waterjet, and waterblast industries.



High Pressure Fittings, Tubing and Nipples Features:

- Coned-and-Threaded Connection.
- Available sizes are 1/4, 5/16, 3/8, 9/16, and 1".
- Fittings manufactured from 316 cold worked or high strength stainless steel.
- Tubing is manufactured from dual rated 316/316L and 304/304L cold worked stainless steel.
- Operating Temperatures from -423°F (-252°C) to 1200°F (649°C).
- Anti-vibration connection components available.
- Ultra-high pressure components.
- Autofrettaged tubing.
- High pressure high cycle tubing.

The high and ulta-high pressure series uses Parker Autoclave Engineers' high pressure connector. This coned-and-threaded connection provides dependable performance in gas or liquid service.





High Pressure Check Valves

Catalog Number	Fits	Fits Pressure Connection Rating Type psi (bar)*	Orifice inches (mm)	Rated C _V	Dimensions - inches (mm)						
	Type				А	В	С	D Typical	Hex		

O-Ring Check Valves

CK04400	F250C	60,000	0.094	0.15	3.38	2.50	0.50	0.63	1.18
		(4136.79)	(2.39)		(85.85)	(63.50)	(12.70)	(16.00)	(29.97)
CK06600	F375C	60,000	0.125	0.28	3.75	2.62	0.53	0.75	1.18
		(4136.79)	(3.18)		(95.25)	(66.55)	(13.46)	(19.05)	(29.97)
CK09900	F562C	60,000	0.187	0.63	4.62	3.38	0.81	1.12	1.50
		(4136.79)	(4.75)		(117.35)	(85.85)	(20.57)	(28.45)	(38.10)
40CK09900	F562C40	40,000	0.250	0.78	4.64	3.38	0.72	1.19	1.50
		(2757.85)	(6.35)		(117.86)	(85.73)	(18.29)	(30.23)	(38.10)
43CK016	F1000C43	43,000	0.438	4.3	6.54	5.63	.72	1.38	1.88 [†]
		(2964.70)	(11.13)		(166.11)	(143.00)	(18.29)	(35.05)	(47.76)

Ball Check Valves

CB4401	F250C	60,000	0.094	0.15	3.38	2.50	0.50	0.63	1.18
		(4136.79)	(2.39)		(85.85)	(63.50)	(12.70)	(16.00)	(29.97)
100CB4401+	F312C150	100,000	0.0094	0.11	4.61	3.50	0.52	1.75 [†]	.75
		(6894.65)	(2.39)		(117.09)	(88.9)	(13.21)	(44.50)	(19.05)
100CB5501+	F312C150	100,000	0.0094	0.11	4.61	3.50	.52	1.75†	.75
		(6894.65)	(2.39)		(117.09)	(88.9)	(13.21)	(44.50)	(19.05)
CB6601	F375C	60,000	0.125	0.28	3.75	2.62	0.53	0.75	1.18
		(4136.79)	(3.18)		(95.25)	(66.55)	(13.46)	(19.05)	(29.97)
100CB6601+	F312C150	100,000	0.0094	0.11	4.61	3.50	.52	1.75†	.75
		(6894.65)	(2.39)		(117.09)	(88.9)	(13.21)	(44.50)	(19.05)
CB9901	F562C	60,000	0.187	0.63	4.62	3.38	0.81	1.12	1.50
		(4136.79)	(4.75)		(117.35)	(85.85)	(20.57)	(28.45)	(38.10)
43CB16	F1000C43	43,000	0.438	4.3	6.54	5.63	.72	1.38	1.88 [†]
		(2964.70)	(11.13)		(166.11)	(143.00)	(18.29)	(35.05)	(47.76)

*Body material is 15-5PH

Ball Type Excess Flow Valves

CK4402	F250C	60,000	0.094	3.38	2.50	0.50	0.63	1.18
		(4136.79)	(2.39)	(85.85)	(63.50)	(12.70)	(16.00)	(29.97)
CK6602	F375C	60,000	0.125	3.75	2.62	0.53	0.75	1.18
		(4136.79)	(3.18)	(95.25)	(66.55)	(13.46)	(19.05)	(29.97)
CK9902	F562C	60,000	0.187	4.62	3.38	0.81	1.12	1.50
		(4136.79)	(4.75)	(117.35)	(85.85)	(20.57)	(28.45)	(38.10)

*Maximum pressure rating is based on the lowest rating of any component.

[†] Distance across flats

Actual working pressure may be determined by tubing 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.



Fitings, Tubing & Nipples

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).





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Pipe Check Valves

Catalog	Connection	Pressure Rating psi (bar)*	Minimum Opening	Bated	Dim	ensions	- inches	(mm)	Fittina
Number	Туре			Cv	А	В	C Hex	D Hex	Pattern

Pipe O-Ring Check Valves

CP04400	1/4" NPT	15,000	0.12	.28	3.37	2.38	0.81	0.81	
		(1034.20)	(3.05)		(85.60)	(60.33)	(20.57)	(20.57)	
CP06600	3/8" NPT	15,000	0.22	.84	3.95	2.88	1.00	1.00	
		(1034.20)	(5.59)		(100.33)	(73.15)	(25.40)	(25.40)	
CP08800	1/2" NPT	15,000	0.36	2.30	5.36	3.88	1.38	1.19	See
		(1034.20)	(9.14)		(136.14)	(98.55)	(35.05)	(30.23)	Figure 1
CP012	3/4" NPT	10,000	0.52	4.70	6.29	4.75	1.75	1.38	-
		(689.46)	(13.21)		(159.77)	(120.65)	(44.45)	(35.05)	
CP016	1" NPT	10,000	0.69	7.40	7.71	5.75	1.88+	1.88	
		(689.46)	(17.53)		(195.83)	(146.05)	(47.75)	(47.75)	

Pipe Ball Check Valves

CPB4400	1/4" NPT	15,000	0.12	.28	3.37	2.38	0.81	0.81	
		(1034.20)	(3.05)		(85.60)	(60.33)	(20.57)	(20.57)	
CPB6600	3/8" NPT	15,000	0.22	.84	3.95	2.88	1.00	1.00	
		(1034.20)	(5.59)		(100.33)	(73.15)	(25.40)	(25.40)	
CPB8800	1/2" NPT	15,000	0.36	2.30	5.36	3.88	1.38	1.19	See
		(1034.20)	(9.12)		(136.14)	(98.55)	(35.05)	(30.23)	Figure 1
CPB12	3/4" NPT	10,000	0.52	4.70	6.29	4.75	1.75	1.38	i iguic i
		(689.46)	(13.21)		(159.77)	(120.65)	(44.45)	(35.05)	
CPB16	1" NPT	10,000	0.69	7.40	7.71	5.75	1.88 ⁺	1.88	
		(689.46)	(17.53)		(195.83)	(146.05)	(47.75)	(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.



WARNING

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Caution! Do not mix or interchange parts or tubing with those of other manufacturers. Doing so is unsafe and will void warranty.

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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