

MADE IN THE USA

'Apollo' valves



TOP ENTRY BALL VALVE PRICE LIST

TEPL9000 : EFFECTIVE FEBRUARY 22, 2010

Top Entry Ball Valves

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Conbraco Warranty Statement

Conbraco Industries, Inc. warrants, to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of **TWO years** from the date of delivery to you, our initial purchaser.

Should any failure to conform to this warranty appear within one year after the date of the initial delivery to our initial purchaser; Conbraco will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with Conbraco's recommendations and standard industry practice, correct such defects by suitable repair or replacement at Conbraco's own expense.

THE WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESSED OR IMPLIED, EXCEPT THE WARRANTY OF TITLE AND AGAINST PATENT INFRINGEMENT. Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of Conbraco to our initial purchaser, with respect to the goods, whether based on contract, negligence, strict tort or otherwise. It is the intention of Conbraco Industries, Inc. that no warranty of any

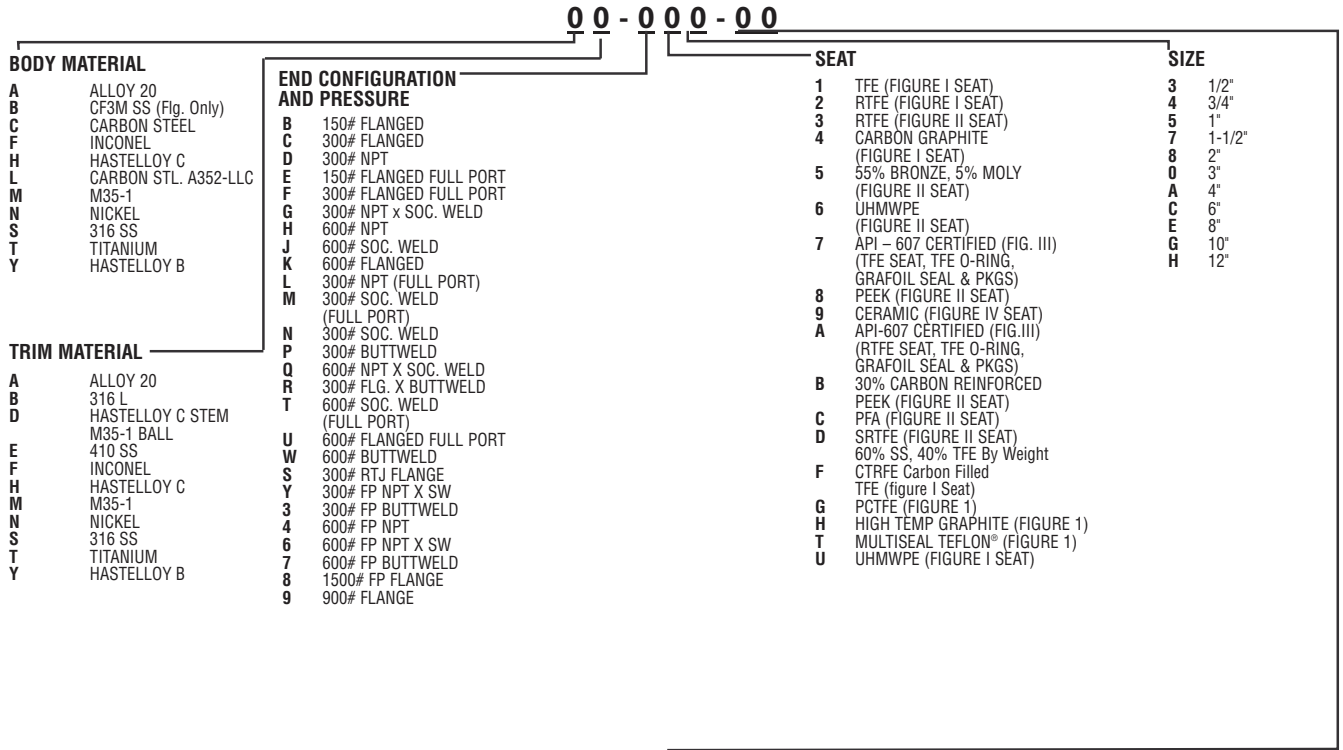
kind, whether express or implied, shall pass through our initial purchaser to any other person or corporation.

LIMITATION OF LIABILITY: Conbraco Industries, Inc. SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR SPECIAL OR CONSEQUENTIAL DAMAGES SUCH AS, BUT NOT LIMITED TO, DAMAGES OR LOSS OF OTHER PROPERTY OR EQUIPMENT LOSS OF PROFITS OR REVENUE, COST OF CAPITAL, COST OF PURCHASED OR REPLACEMENT GOODS, OR CLAIMS OF CUSTOMERS OF OUR INITIAL PURCHASER. THE REMEDIES OF OUR INITIAL PURCHASER, AND ALL OTHERS, SET FORTH HEREIN ARE EXCLUSIVE, AND THE LIABILITY OF CONBRACO WITH RESPECT TO SAME SHALL NOT, AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE GOODS UPON WHICH SUCH LIABILITY IS BASED.

WE ALSO MANUFACTURE A COMPLETE LINE OF POP SAFETY VALVES, HOT WATER RELIEF VALVES, TEMPERATURE AND PRESSURE RELIEF VALVES, WATER GAUGES, COMPRESSION GAUGE COCKS, BOILER DRAINS, GAS VALVES, VACUUM BREAKERS, GROUND KEY COCKS FOR AIR, GAS, STEAM AND WATER, BRASS SCREW MACHINE PARTS, AND OTHER BRASS ITEMS TO CUSTOMER'S DRAWINGS.

Apollo® Top Entry Valves Numbering System

PLEASE USE ALL DIGITS WHEN ORDERING.



ADDITIONAL FEATURES

AJ	ALUMINUM BOLT-ON CONTRO HEAT JACKET	FS	FULL STEAM JACKETED TEV, THREADED FEMALE CONNECTIONS, STANDARD FLANGES
AR	ACTUATOR READY	GO	2-1/4" STEM EXTENSION
BB	TITANIUM AND GRAPHITE SPIRALWOUND BONNET GASKET	HH	VENTED BODY
BN	TFE SPIRALWOUND BONNET GASKET	HO	VENTED & CLEANED FOR CHLORINE SERV.
BO	GRAPHITE BONNET GASKET & PACKINGS	HP	VENTED & CLEANED FOR HYDROGEN PEROXIDE SERVICE
BR	GRAPHITE PACKINGS, RTFE BONNET GASKET	MG	GEAR OPERATOR, STD. HANDWHEEL
BS	GRAPHITE SPIRALWOUND BONNET GASKET	MH	GEAR OPERATOR, STD. HANDWHEEL AND LOCKOUT DEVICE
CB	CERAMIC BALL ONLY	MJ	GEAR OPERATOR, OVERSIZE HANDWHEEL
CL	CAM LOCK	MK	GEAR OPERATOR, OVERSIZE HANDWHEEL AND LOCKOUT DEVICE
DM	DEAD MAN HANDLE	MT	TWO POS. LOCK PLATE FOR STD. BONNET
EB	EXTENDED BONNET	MU	TWO POS. LOCK PLATE FOR EXT. BONNET
EO	ROUND HANDLE	NC	NACE CERTIFIED TRIM
FC	FUGITIVE EMISSION BONNET WITH RTFE CHEVRON PACKINGS, PEEK BEARING, AND PACKING GLAND. (LIVE LOADED STEM PACKING SYSTEM)	OO	RTFE BONNET GASKET & PACKINGS
FG	FUGITIVE EMISSION BONNET WITH EVSP® 9000 GRAPHITE STEM PACKING	PJ	PARTIAL STEAM JACKET
FJ	FULL STEAM JACKETED TOP ENTRY VALVE (NPT, SOCKET WELD, OR BUTTWELD)	PO	CLEANED FOR OXYGEN SERVICE
FL	FUGITIVE EMISSION BONNET WITH RTFE CHEVRON PACKINGS, PEEK BEARING, AND PACKING GLAND	PP	CLEANED FOR INDUSTRIAL GASES
FO	FULL STEAM JACKETED TEV, THREADED FEMALE CONNECTIONS, OVERSIZE FLANGES AND EXTENDED BONNET	TP	TWO POSITION SLIDING LATCH LOCK
FP	FUGITIVE EMISSION BONNET WITH EVSP 9000 GRAPHITE STEM PACKING (LIVE LOADED STEM PACKING SYSTEM)	VC	VACUUM PREPARATION
		XO	DRAIN
		ZO	TFE BONNET GASKET AND PACKINGS
		OL	OVAL LATCHLOCK HANDLE
		RS	WELDED BALL STOP WITH SAFETY CAP
		NP	NO PORT ON FUG. EMISSION BONNET

NOTE: NOT ALL OPTIONS LISTED ARE COMPATIBLE OR AVAILABLE. CONSULT FACTORY FOR AVAILABILITY OF UNLISTED OPTIONS.

Top Entry Ball Valves

Apollo® Top Entry Valves Seat Selection

PLEASE USE ALL DIGITS WHEN ORDERING.

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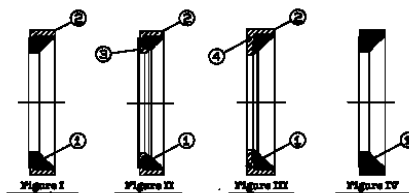
Suffix (see below or pg. 3)

Seat Designation

THE FOLLOWING BODY MATERIALS WILL DESIGNATE THE SEAT HOLDER AND INNER RING MATERIAL BY DEFAULT IN THE FOLLOWING MANNER

	Alloy 20	Hastelloy	M35-1	Nickel	Stainless	Titanium	Carbon Steel
②	ASTM B473 Cb-3	ASTM B574 Grade C276	ASTM B164 Alloy K500	ASTM B162 Alloy 200	ASTM A276 Type 316	ASTM B348 Grade 4-5	ASTM A276 Type 316
③	ASTM B473 Cb-3	ASTM B574 Grade C276	ASTM B164 Alloy K500	ASTM B162 Alloy 200	ASTM A276 Type 316	ASTM B348 Grade 4-5	ASTM A276 Type 316

Seat Desig.	①	④	Figure	Standard Default For Bonnet Gasket & Stem Packings	Class	Default Suffix
1	TFE	—	I	TFE	All	Z01
2	RTFE	—	I	RTFE	All	001
3	RTFE	—	II	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
4	Carbon Graphite	—	I	Graphite & Spiralwound Gasket	600	BS1
5	55% Bronze, 5% Moly	—	II	Graphite & Spiralwound Gasket	600	BS1
6	UHMWPE	—	II	Graphite & Spiralwound	150-300 600	B01 BS1
7	API-607 TFE Seat	TFE O-Ring	III	Graphite	All	B01
8	PEEK	—	II	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
9	CERAMIC	—	IV	Graphite & Spiralwound	150-300 600	B01 BS1
A	API-607 RTFE Seat	TFE O-Ring	III	Graphite	All	B01
B	Carbon Reinforced PEEK	—	II	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
C	PFA	—	II	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
D	SRTFE - 60% SS, 40% TFE By Weight	—	II	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
U	UHMWPE	—	I	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
F	CRTFE-Carbon Filled TFE	—	I	Graphite & Spiralwound Gasket	150-300 600	B01 BS1
G	PCTFE	—	I	RTFE	ALL	001
H	GRAPHITE (1000°F MAX.)	—	I	Graphite & Spiralwound Gasket	ALL	BS1
T	MULTISEAL	—	I	Graphite & Spiralwound Gasket	150-300 600	B01 BS1



NOTE: ALTERNATE BONNET GASKET AND STEM PACKING MATERIALS ARE AVAILABLE FOR SOME OF THE SEAT MATERIALS LISTED ABOVE

150# Carbon Steel

Flanged

Part No.	CS-B1 CS-B2	CS-B3 CS-B5 CS-BF	CS-B4 *	CS-B6 CS-BU	CS-B7 CS-BA CS-BD	* CS-B8 CS-BB	CS-B9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	718.95	755.15	995.85	751.98	800.77	917.71	POA	7.0
3/4	679.63	715.82	956.52	712.67	761.42	877.84	POA	7.1
1	718.95	755.15	995.85	751.98	800.77	917.71	POA	7.3
1-1/2	967.53	1025.74	1390.72	1017.87	1076.08	1327.78	POA	12.7
2	1250.69	1332.50	1820.20	1321.50	1411.15	1689.62	POA	20.4
3	2721.65	2896.28	3692.32	2878.95	3069.33	3432.75	POA	46.0
4	4022.70	4342.07	5219.88	4312.16	4642.53	5319.00	POA	72.0
6	7431.85	7916.36	9620.17	7867.59	8463.85	POA	POA	191.0
8 ^a	16436.85	17484.62	21350.00	17418.55	18666.10	POA	N/A	326.0
10 ^a	POA	POA	POA	POA	POA	POA	N/A	575.0

150# Stainless Steel

Flanged

Part No.	SS-B1 SS-B2	SS-B3 SS-B5 SS-BF	SS-B4 *	SS-B6 SS-BU	SS-B7 SS-BA SS-BD	* SS-B8 SS-BB	SS-B9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	869.15	904.67	1140.88	901.58	949.44	1063.68	POA	7.0
3/4	830.56	866.08	1102.27	862.90	910.84	1025.08	POA	7.1
1	869.15	904.67	1140.88	901.58	949.44	1063.68	POA	7.3
1-1/2	1560.77	1617.89	1976.08	1610.18	1665.79	1914.31	POA	12.7
2	1789.27	1871.10	2348.12	1858.73	1946.73	2221.53	POA	20.4
3	3434.96	3621.77	4402.92	3604.78	3791.57	4148.20	POA	46.0
4	5441.90	5752.20	6613.65	5722.87	6047.07	6710.92	POA	72.0
6	10218.42	10640.96	12365.86	10646.04	11231.15	POA	POA	191.0
8 ^a	20361.19	21390.92	25184.02	21326.06	22550.28	POA	N/A	326.0
10 ^a	POA	POA	POA	POA	POA	POA	N/A	575.0

NOTE: 1/2" and 3/4" valves are full port.

^a Use of gear operator or actuator recommended. It is a requirement for 10" valves.

• 1/2" Flange bodies are not integral cast type, they are fabricated.

* Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"	8"	10"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"	6"	8"
List Price Adder	153.66	203.79	247.46	284.67	354.20	470.62	525.62	606.52

Top Entry Ball Valves

150# Carbon Steel

Flanged Full Port

Part No.	CS-E1 CS-E2	CS-E3 CS-E5 CS-EF	CS-E4 *	CS-E6 CS-EU	CS-E7 CS-EA CS-ED	* CS-E8 CS-EB	CS-E9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	967.28	1025.74	1390.72	1017.87	1076.08	1327.78	POA	10.6
1-1/2	1250.69	1332.50	1820.20	1321.50	1411.15	1689.62	POA	18.8
2	2721.65	2896.28	3692.32	2878.95	3069.33	3432.75	POA	42.2
3	4022.70	4342.07	5219.88	4312.16	4642.53	5319.00	POA	74.5
4	7431.85	7916.36	9620.17	7867.58	8463.85	POA	POA	168.7
6 ^a	16436.85	17484.62	21350.00	17418.55	18666.10	POA	POA	309.0
8 ^a	POA	POA	POA	POA	POA	POA	POA	860.0
10 ^a	POA	POA	POA	POA	POA	POA	POA	
12 ^a	POA	POA	POA	POA	POA	POA	POA	

150# Stainless Steel

Flanged Full Port

Part No.	SS-E1 SS-E2	SS-E3 SS-E5 SS-EF	SS-E4 *	SS-E6 SS-EU	SS-E7 SS-EA SS-ED	* SS-E8 SS-EB	SS-E9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	1560.77	1617.89	1976.08	1610.18	1665.77	1914.31	POA	10.6
1-1/2	1789.27	1871.10	2348.12	1858.73	1946.73	2221.53	POA	18.8
2	3434.96	3621.77	4402.92	3604.78	3791.22	4148.20	POA	42.2
3	5438.81	5752.25	6613.65	5722.87	6047.06	6710.92	POA	74.5
4	10218.42	10693.90	12365.85	10646.04	11231.15	POA	POA	168.7
6 ^a	20361.19	21390.92	25184.02	21326.06	22550.28	POA	POA	309.0
8 ^a	POA	POA	POA	POA	POA	POA	POA	860.0
10 ^a	POA	POA	POA	POA	POA	POA	POA	
12 ^a	POA	POA	POA	POA	POA	POA	POA	

NOTE: 1/2" and 3/4" valves are full port.

^a Use of gear operator or actuator recommended. It is a requirement for 8" and larger valves.

*Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"	8"	10"	12"	
Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"	6"	8"	10"	12"
	153.66	203.79	247.46	284.67	354.20	470.62	525.62	606.52	POA	POA

300# Carbon Steel

Flanged

Part No.	CS-C1 CS-C2	CS-C3 CS-C5 CS-CF	CS-C4 *	CS-C6 CS-CU	CS-C7 CS-CA CS-CD	* CS-C8 CS-CB	CS-C9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	814.92	851.11	1091.81	847.98	896.73	1013.14	POA	8.1
3/4	766.16	802.35	1044.61	799.18	849.54	964.37	POA	8.4
1	814.92	851.11	1091.81	847.98	896.73	1013.14	POA	10.8
1-1/2	1063.49	1121.68	1486.68	1113.84	1170.46	1423.76	POA	17.9
2	1455.22	1538.57	2024.73	1526.00	1615.68	1894.14	POA	24.5
3	3053.60	3243.96	4040.00	3228.23	3417.01	3780.42	POA	51.7
4	4220.93	4540.27	5418.14	4510.38	4840.74	5517.24	POA	88.0
6	8920.09	9404.62	11108.43	9355.86	9952.11	POA	POA	236.0
8 ^a	19197.84	20247.17	24112.55	20181.08	21428.65	POA	N/A	385.2
10 ^a	POA	POA	POA	POA	POA	POA	N/A	651.5
12 ^a	POA	POA	POA	POA	POA	POA	N/A	1218.0

300# Stainless Steel

Flanged

Part No.	SS-C1 SS-C2	SS-C3 SS-C5 SS-CF	SS-C4 *	SS-C6 SS-CU	SS-C7 SS-CA SS-CD	* SS-C8 SS-CB	SS-C9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	1108.45	1143.95	1381.72	1140.88	1190.26	1302.97	POA	8.1
3/4	986.50	1023.54	1259.75	1018.91	1068.31	1181.02	POA	8.4
1	1108.45	1143.95	1381.72	1140.88	1190.26	1302.97	POA	10.8
1-1/2	1920.24	1977.61	2335.79	1969.89	2027.00	2274.02	POA	17.9
2	2221.53	2301.80	2780.38	2291.00	2377.46	2652.25	POA	24.5
3	4365.86	4551.12	5333.84	4535.67	4722.49	5079.11	POA	51.7
4	6235.43	6550.36	7411.79	6519.47	6843.67	7509.05	POA	88.0
6	11237.32	11711.28	13384.76	11664.95	12250.08	POA	POA	236.0
8 ^a	21844.79	22874.49	26667.62	22809.65	24032.34	POA	N/A	385.2
10 ^a	POA	POA	POA	POA	POA	POA	N/A	651.5
12 ^a	POA	POA	POA	POA	POA	POA	N/A	1218.0

NOTE: 1/2" and 3/4" valves are full port.

^a Use of gear operator or actuator recommended. It is a requirement for 10" valves.

• 1/2" Flange bodies are not integral cast type, they are fabricated.

*Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"	8"	10"	12"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"	6"	8"	10"-12"
List Price Adder	153.66	203.79	247.46	284.67	354.20	470.62	525.62	606.52	POA

Top Entry Ball Valves

300# Carbon Steel

Flanged Full Port

Part No.	CS-F1 CS-F2	CS-F3 CS-F5 CS-FF	CS-F4 *	CS-F6 CS-FU	CS-F7 CS-FA CS-FD	* CS-F8 CS-FB	CS-F9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	1063.49	1121.70	1486.68	1113.84	1170.46	1423.76	POA	13.3
1-1/2	1455.22	1538.57	2024.73	1526.00	1615.68	1894.14	POA	31.5
2	3053.60	3243.96	4040.00	3228.23	3417.01	3780.42	POA	53.2
3	4220.93	4540.28	5418.14	4510.38	4840.74	5517.24	POA	87.2
4	8920.09	9404.62	11108.43	9355.86	9952.11	POA	POA	179.6
6 ^a	19197.84	20247.17	24112.55	20181.08	21428.65	POA	POA	315.4
8 ^a	POA	POA	POA	POA	POA	POA	POA	940.0
10 ^a	POA	POA	POA	POA	POA	POA	POA	
12 ^a	POA	POA	POA	POA	POA	POA	POA	

300# Stainless Steel

Flanged Full Port

Part No.	SS-F1 SS-F2	SS-F3 SS-F5 SS-FF	SS-F4 *	SS-F6 SS-FU	SS-F7 SS-FA SS-FD	* SS-F8 SS-FB	SS-F9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	1920.49	1977.61	2335.79	1969.89	2027.00	2274.02	POA	13.3
1-1/2	2221.53	2301.80	2780.38	2291.00	2377.46	2652.25	POA	31.5
2	4365.86	4551.12	5333.84	4535.67	4722.49	5079.11	POA	53.2
3	6235.43	6550.36	7411.79	6519.47	6843.67	7509.05	POA	87.2
4	11237.32	11711.28	13384.76	11664.85	12250.08	POA	POA	179.6
6 ^a	21844.79	22874.49	26667.62	22809.65	24032.34	POA	POA	313.4
8 ^a	POA	POA	POA	POA	POA	POA	POA	940.0
10 ^a	POA	POA	POA	POA	POA	POA	POA	
12 ^a	POA	POA	POA	POA	POA	POA	POA	

^a Use of gear operator or actuator recommended. It is a requirement for 8" and larger valves.

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Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"	6"	8"	10"	12"
	153.66	203.79	247.46	284.67	354.20	470.62	525.62	606.52	POA	POA

Top Entry Ball Valves

600# Carbon Steel

Flanged

Part No.	CS-K2	CS-K3 CS-K5 CS-KF	CS-K4 *	CS-K6 CS-KU	CS-KA CS-KD	* CS-K8 CS-KB	CS-K9 *	Weight Lbs.
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	1256.99	1293.18	1533.88	1290.03	1340.38	1455.22	POA	14.8
3/4	1124.85	1161.02	1401.73	1157.90	1208.21	1323.07	POA	13.6
1	1175.19	1211.36	1452.08	1208.21	1256.99	1373.41	POA	15.4
1-1/2	1626.69	1684.89	2049.88	1677.05	1735.26	1986.97	POA	28.8
2	2238.69	2320.50	2808.17	2309.47	2399.14	2677.60	POA	42.7
3	3668.73	3859.08	4655.13	3841.77	4032.13	4395.54	POA	82.3
4 [§]	5164.85	5485.76	6363.62	5454.31	5784.68	6462.73	POA	169.8
6 [§]	13336.08	13819.03	15524.38	13771.85	14368.09	POA	POA	397.7

600# Stainless Steel

Flanged

Part No.	SS-K2	SS-K3 SS-K5 SS-KF	SS-K4 *	SS-K6 SS-KU	SS-KA SS-KZ	* SS-K8 SS-KB	SS-K9 *	Weight Lbs.
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	1522.20	1557.70	1793.89	1554.61	1602.46	1716.73	POA	14.8
3/4	1420.30	1455.80	1691.99	1452.71	1500.58	1614.84	POA	13.6
1	1480.50	1516.01	1752.22	1512.92	1560.77	1675.04	POA	15.4
1-1/2	2718.80	2777.31	3135.47	2768.03	2825.14	3073.71	POA	28.8
2	3895.00	3976.83	4453.87	3964.49	4052.51	4325.75	POA	42.7
3	6054.79	6241.59	7022.76	6224.61	6411.42	6768.03	POA	82.3
4 [§]	9199.50	9512.90	10374.34	9483.57	9807.79	10471.60	POA	169.8
6 [§]	19592.36	20067.88	21741.35	20021.56	21080.61	POA	POA	

Note: 1/2" and 3/4" valves are full port.

^a Use of gear operator or actuator recommended.

• 1/2" Flange bodies are not integral cast type, they are fabricated.

*Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"
	153.66	203.79	247.46	284.67	354.20	470.62

Top Entry Ball Valves

600# Carbon Steel

Flanged Full Port

Part No.	CS-U2	CS-U3 CS-U5 CS-UF	CS-U4 *	CS-U6 CS-UU	CS-UA CS-UD	* CS-U8 CS-UB	CS-U9 *	Weight Lbs.
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	1626.69	1684.89	2049.88	1677.05	1735.26	1986.97	POA	21.9
1-1/2	2238.69	2320.50	2808.17	2309.47	2399.14	2677.60	POA	41.1
2	3668.73	3859.08	4655.13	3841.77	4032.13	4395.66	POA	48.8
3	5164.85	5485.76	6363.62	5454.31	5784.68	6462.73	POA	141.6
4	13336.08	13818.81	15524.38	13771.85	14368.09	POA	POA	300.5
6 ^a	POA	POA	POA	POA	POA	POA	POA	575.0
8 ^a	POA	POA	POA	POA	POA	POA	POA	1305.0

600# Stainless Steel

Flanged Full Port

Part No.	SS-U2	SS-U3 SS-U5 SS-UF	SS-U4 *	SS-U6 SS-UU	SS-UA SS-UZ	* SS-U8 SS-UB	SS-U9 *	Weight Lbs.
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	2720.18	2777.31	3135.47	2768.03	2825.14	3073.71	POA	21.9
1-1/2	3895.00	3976.83	4453.87	3964.49	4052.51	4325.75	POA	41.1
2	6054.79	6241.59	7022.76	6224.61	6411.42	6768.03	POA	48.8
3 ^a	9199.50	9512.90	10374.34	9483.57	9807.79	10471.60	POA	141.6
4 ^a	19592.36	20067.88	21741.35	20021.56	21080.61	POA	POA	300.5
6 ^a	POA	POA	POA	POA	POA	POA	POA	575.0
8 ^a	POA	POA	POA	POA	POA	POA	POA	1305.0

^a Use of gear operator or actuator recommended. It is a requirement for 6" & larger valves.

• 1/2" Flange bodies are not integral cast type, they are fabricated.

* Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"	8"	10"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"	6"	8"
	153.66	203.79	247.46	284.67	354.20	470.62	525.62	606.52

300# Carbon Steel

Buttweld

Part No.	CS-P1 CS-P2	CS-P3 CS-P5 CS-PF	CS-P4 *	CS-P6 CS-PU	CS-P7 CS-PA CS-PD	* CS-P8 CS-PB	CS-P9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2	685.92	722.11	962.82	718.95	767.73	884.14	POA	3.7
3/4	733.13	769.31	1011.59	766.16	816.52	931.36	POA	4.0
1	780.31	816.52	1057.20	813.35	862.12	978.55	POA	4.2
1-1/2	1032.04	1090.23	1455.22	1082.37	1140.59	1392.28	POA	7.5
2	1239.68	1321.50	1809.20	1310.34	1398.58	1678.59	POA	14.0
3	2652.42	2842.78	3638.82	2827.04	3015.85	3379.24	POA	35.0
4	3555.46	3874.80	4752.65	3843.34	4175.29	4851.77	POA	50.8
6 ^a	7554.56	8037.52	9742.89	7990.32	8586.56	POA	POA	140.0
8 ^a	18760.49	19809.83	23675.21	19743.74	20989.73	POA	N/A	312.87

300# Stainless Steel

Buttweld

Part No.	SS-P1 SS-P2	SS-P3 SS-P5 SS-PF	SS-P4 *	SS-P6 SS-PU	SS-P7 SS-PA SS-PD	* SS-P8 SS-PB	SS-P9 *	Weight Lbs.
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2	773.45	808.95	1045.15	805.88	853.73	967.96	POA	3.7
3/4	819.79	855.26	1093.02	852.20	901.58	1014.28	POA	4.0
1	828.79	901.58	1137.77	898.50	946.34	1060.59	POA	4.2
1-1/2	1190.26	1245.85	1605.54	1238.15	1295.25	1543.80	POA	7.5
2	1461.98	1543.80	2020.84	1531.45	1619.45	1892.71	POA	14.0
3	2923.97	3110.77	3891.91	3093.77	3280.60	3637.20	POA	35.0
4	4385.94	4700.87	5562.32	4670.01	4994.20	5659.57	POA	50.8
6 ^a	8514.08	8988.01	10666.14	8941.81	9526.78	POA	POA	140.0
8 ^a	20949.39	21979.08	25755.24	21914.26	23153.92	POA	N/A	312.8

Note: 300# Buttweld valves are available with schedule 10 or 40 ends designated by the addition of 10 or 40 to end of part number. 1/2" and 3/4" valves are full port.

^a Use of gear operator or actuator recommended.

* Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"	8"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"	4"	6"
	153.66	203.79	247.46	284.67	354.20	470.62	525.62

Top Entry Ball Valves

300# Carbon Steel

Buttweld Full Port

Part No.	CS-31	CS-33	CS-34	CS-36	CS-37	*	CS-39	Weight Lbs.
	CS-32	CS-35 CS-3F	*	CS-3U	CS-3A CS-3D	CS-38 CS-3B	*	
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
3	4019.92	4324.07	5160.13	4298.97	4610.22	5254.52	POA	67.6
4	8495.32	8956.79	10579.45	8910.34	9478.20	POA	POA	140.6
6 ^a	18283.67	19283.02	22964.32	19220.10	20408.23	POA	POA	251.0
8 ^a	32598.35	34585.08	37505.24	POA	34949.15	POA	POA	860.0

300# Stainless Steel

Buttweld Full Port

Part No.	SS-31	SS-33	SS-34	SS-36	SS-37	*	SS-39	Weight Lbs.
	SS-32	SS-35 SS-3F	*	SS-3U	SS-3A SS-3D	SS-38 SS-3B	*	
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
3	5938.87	6238.42	7058.84	6209.03	6517.78	7151.48	POA	67.6
4	10702.22	11153.60	12747.39	11109.48	11666.73	POA	POA	140.6
6 ^a	20804.56	21785.23	25397.73	21723.49	22887.94	POA	POA	251.0
8 ^a	37355.58	POA	43442.55	POA	40934.26	POA	POA	860.0

Note: 300# Buttweld valves are available with schedule 10 or 40 ends designated by the addition of 10 or 40 to end of part number. Smaller sizes can be fabricated and are POA.

^a Use of gear operator or actuator recommended.

*Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	3"	4"	6"	8"	10"
Full Port	2"	3"	4"	6"	8"
	284.67	354.20	470.62	525.62	606.85

600# Carbon Steel

Buttweld

Part No.	CS-W2	CS-W3 CS-W5 CS-WF	CS-W4 *	CS-W6 CS-WF CS-WU	CS-WA CS-WD	* CS-W8 CS-WB	CS-W9 *	Weight Lbs.
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	6-UHMWPE F-CRTFE U-UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	885.70	921.90	1162.61	918.76	967.53	1083.94	POA	8.5
3/4	1124.85	1161.02	1401.73	1157.90	1208.21	1323.07	POA	8.1
1	1175.19	1211.36	1452.08	1208.21	1256.99	1373.41	POA	9.6
1-1/2	1705.34	1684.89	2049.88	1677.05	1735.26	1986.97	POA	17.4
2	2238.69	2320.50	2808.17	2309.47	2399.14	2677.60	POA	29.9
3	3668.76	3859.08	4655.13	3841.77	4032.13	4395.54	POA	51.9
4 [§]	5164.85	5485.76	6363.62	5454.31	5784.68	6462.73	POA	136.4
6 [§]	13336.08	13819.03	15524.38	13771.85	14366.54	POA	POA	273.5

600# Stainless Steel

Buttweld

Part No.	SS-W2	SS-W3 SS-W5 SS-WF	SS-W4 *	SS-W6 SS-WF SS-WU	SS-WA SS-WD	* SS-W8 SS-WB	SS-W9 *	Weight Lbs.
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	6-UHMWPE F-CRTFE U-UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	1281.35	1316.88	1553.06	1313.77	1361.64	1475.88	POA	8.5
3/4	1420.30	1455.80	1691.99	1452.71	1500.58	1614.84	POA	8.1
1	1480.50	1516.01	1752.22	1512.92	1560.77	1675.04	POA	9.6
1-1/2	2720.18	2777.31	3135.47	2768.03	2825.14	3073.71	POA	17.4
2	3895.00	3976.83	4453.87	3964.49	4052.51	4325.75	POA	29.9
3	6054.79	6241.59	7022.76	6224.61	6411.42	6768.03	POA	51.9
4 [§]	9199.50	9512.90	10374.34	9483.57	9807.79	10471.60	POA	136.4
6 [§]	19592.36	20067.88	21741.35	20021.56	21080.61	POA	POA	273.5

NOTE: 600# Buttweld valves have schedule 40 ends identified by 40 on the end of the part number. 1/2" and 3/4" valves are full port.

^a Use of gear operator or actuator recommended.

• 1/2" Flange bodies are not integral cast type, they are fabricated.

*Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"	6"
Full Port	1 1/2"-3/4"	1"	1.5"	2"	3"	4"
	153.66	203.79	247.46	284.67	354.20	470.62

Top Entry Ball Valves

300# Carbon Steel

NPT, Socket Weld or NPT x Socket Weld
X=(D) NPT, (N) Socket Weld, (G) NPT x Socket Weld

Part No.	CS-X3		CS-X4 *	CS-X6 CS-XU	CS-X7 CS-XA CS-XD	*		CS-X9 *	Weight Lbs.
	CS-X1 CS-X2	CS-X5 CS-XF				CS-X8 CS-XB	CS-X9 *		
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic		
Valve Size (In.)									
1/2 •	453.07	489.27	729.98	486.12	534.90	651.31	POA		3.9
3/4	453.07	489.27	729.98	486.12	534.90	651.31	POA		3.8
1	453.07	489.27	729.98	486.12	534.90	651.31	POA		3.5
1-1/2	575.78	634.00	998.99	626.14	684.37	936.08	POA		6.5
2	909.30	991.13	1478.80	980.12	1068.21	1348.23	POA		11.1
3	2339.34	2529.70	3325.76	2512.41	2702.77	3066.19	POA		36.8

300# Stainless Steel

NPT, Socket Weld or NPT x Socket Weld
X=(D) NPT, (N) Socket Weld, (G) NPT x Socket Weld

Part No.	SS-X3		SS-X4 *	SS-X6 SS-XU	SS-X7 SS-XA SS-XD	*		SS-X9 *	Weight Lbs.
	SS-X1 SS-X2	SS-X5 SS-XF				SS-X8 SS-XB	SS-X9 *		
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic		
Valve Size (In.)									
1/2 •	591.30	626.80	864.53	623.70	673.10	785.80	POA		3.9
3/4	591.30	626.80	864.53	623.70	673.10	785.80	POA		3.8
1	591.30	626.80	864.53	623.70	673.10	785.80	POA		3.5
1-1/2	791.98	849.09	1207.25	841.38	898.50	1145.50	POA		6.5
2	1094.56	1174.82	1653.39	1160.94	1252.02	1525.27	POA		11.1
3	2485.52	2676.33	3453.48	2655.33	2842.14	3198.77	POA		36.8

300# Carbon Steel

NPT, Socket Weld or NPT x Socket Weld Full Port
X=(L) NPT, (M) Socket Weld, (Y) NPT x Socket Weld

Part No.	CS-X3		CS-X4 *	CS-X6 CS-XU	CS-X7 CS-XA CS-XD	*		CS-X9 *	Weight Lbs.
	CS-X1 CS-X2	CS-X5 CS-XF				CS-X8 CS-XB	CS-X9 *		
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	7-TFE A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic		
Valve Size (In.)									
1	638.28	693.70	1041.31	686.23	741.68	981.38	POA		7.2
1-1/2	978.38	1056.29	1520.77	1045.82	1129.72	1396.41	POA		12.0
2	2362.80	25440.10	3302.22	2527.63	2844.35	3055.02	POA		40.6

NOTE: 1/2" and 3/4" valves are full port.
• 1/2" bodies and 1" - 2" full port bodies have reducers welded into ends.
*Ball stop is recommended with hard seats (#4, #8, and B).
Ball stop is required above 500°F or when using ceramic seats (#9).
P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"
	153.66	203.79	247.46	284.67	354.20

300# Stainless Steel

NPT, Socket Weld or NPT x Socket Weld Full Port
 X=(L) NPT, (M) Socket Weld, (Y) NPT x Socket Weld

Part No.	SS-X1	SS-X3 SS-X5	SS-X4	SS-X6	SS-X7 SS-XA	* SS-X8	SS-X9	Weight Lbs.
	SS-X2	SS-XF	*	SS-XU	SS-XD	SS-XB		
Seat Style	1-TFE 2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	7-TFE 8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	864.53	918.92	1260.03	911.57	965.97	1201.18	POA	7.2
1-1/2	1171.81	1251.20	1707.01	1237.97	1324.73	1584.98	POA	12.0
2	2528.90	2705.33	3450.22	2690.61	2868.54	3208.18	POA	40.6

600# Carbon Steel

NPT, Socket Weld or NPT x Socket Weld
 X=(H) NPT, (J) Socket Weld, (Q) NPT x Socket Weld

Part No.	CS-X2	CS-X3 CS-X5	CS-X4	CS-X6	CS-XA	* CS-X8	CS-X9	Weight Lbs.
		CS-XF	*	CS-XU	CS-XD	CS-XB		
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	805.47	843.23	1083.94	838.53	888.87	1003.69	POA	7.8
3/4	805.47	843.23	1083.94	838.53	888.87	1003.69	POA	7.7
1	805.47	843.23	1083.94	838.53	888.87	1003.69	POA	7.5
1-1/2	1308.91	1365.54	1730.53	1357.67	1415.88	1669.19	POA	13.5
2	1461.52	1544.89	2032.60	1532.29	1621.97	1902.01	POA	23.3

600# Stainless Steel

NPT, Socket Weld or NPT x Socket Weld
 X=(H) NPT, (J) Socket Weld, (Q) NPT x Socket Weld

Part No.	SS-X2	SS-X3 SS-X5	SS-X4	SS-X6	SS-XA	* SS-X8	SS-X9	Weight Lbs.
		SS-XF	*	SS-XU	SS-XD	SS-XB		
Seat Style	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1/2 •	1134.70	1170.19	1406.41	1167.12	1216.51	1329.20	POA	7.8
3/4	1134.70	1170.19	1406.41	1167.12	1216.51	1329.20	POA	7.7
1	1134.70	1170.19	1406.41	1167.12	1216.51	1329.20	POA	7.5
1-1/2	2034.74	2091.84	2450.01	2082.60	2139.71	2388.25	POA	13.5
2	2172.12	2253.94	2730.99	2176.77	2329.60	2602.85	POA	23.3

• 1/2" bodies have reducers welded into ends.
 *Ball stop is recommended with hard seats (#4, #8, and B).
 Ball stop is required above 500°F or when using ceramic seats (#9).
 P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"	3"	4"
Full Port	1/2"-3/4"	1"	1.5"	2"	3"
	153.66	203.79	247.46	284.67	354.20

Top Entry Ball Valves

600# Carbon Steel

NPT, Socket Weld or NPT x Socket Weld Full Port
X=(4) NPT, (T) Socket Weld, (6) NPT x Socket Weld

Part No.	CS-X2	CS-X3 CS-X5 CS-XF	CS-X4 *	CS-X6 CS-XU	CS-XA CS-XD	* CS-X8 CS-XB	CS-X9 *	Weight Lbs.
	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	1403.32	1459.92	1824.93	1452.08	1510.27	1763.57	POA	14.2
1-1/2	1579.50	1662.88	2150.57	1650.29	1739.97	2020.00	POA	24.2

600# Stainless Steel

NPT, Socket Weld or NPT x Socket Weld Full Port
X=(4) NPT, (T) Socket Weld, (6) NPT x Socket Weld

Part No.	SS-X2	SS-X3 SS-X5 SS-XF	SS-X4 *	SS-X6 SS-XU	SS-XA SS-XZ	* SS-X8 SS-XB	SS-X9 *	Weight Lbs.
	2-RTFE	3-RTFE 5-BRTFE F-CRTFE	Carbon Graphite	UHMWPE	A-RTFE D-SRTFE	8-PEEK B-Carbon Reinf-PEEK	Ceramic	
Valve Size (In.)								
1	2150.53	2207.63	2565.79	2198.39	2255.48	2504.06	POA	14.2
1-1/2	2311.07	2392.89	2869.93	2315.69	2468.54	2741.79	POA	24.2

1" - 2" full port bodies have reducers welded into ends.

*Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).

P.O.A. - Price On Application.

RS Ball Stop Adder

For Carbon and Stainless Only

Standard Port	1"	1.5"	2"
Full Port	1/2"-3/4"	1"	1.5"
	153.66	203.79	247.46

Exotic Alloy Valves and Trim

Contact factory for pricing on the following materials:

Alloy 20, Hastelloy® C, M35-1, Nickel, Titanium, and Others

Hastelloy is a registered trademark of Hastelloy-Haynes International, Inc.

Valve Options

Options List Price Adders for Class 150 & 300 (600 where noted) Apollo® Top Entry Valves

Suffix	Std. Port Full Port	Valve Size (In.)									
		1 1/2-3/4	1-1/2 1	2 1-1/2	3 2	4 3	6 4	8 6	10 8	12 10	12 12
AD *		7.70	7.70	7.70	24.66	24.66	24.66	77.01	77.01	POA	POA
AR **		53.38	56.62	59.84	85.71	101.89	127.78	166.58	STD	POA	POA
BN * ^a		17.79	22.63	33.97	59.84	102.70	139.41	POA	POA	POA	POA
BS * ^a		9.72	14.56	21.03	24.27	30.75	53.38	76.01	POA	POA	POA
BT		43.66	43.66	63.09	82.48	179.51	POA	POA	POA	POA	POA
CL ^a		121.31	140.71	168.19	N/A	N/A	N/A	N/A	N/A	POA	POA
DM •		295.97	N/A	N/A	N/A	N/A	N/A	N/A	N/A	POA	POA
EB	CS	140.71	195.69	247.46	333.17	491.65	1041.55	1827.57	N/A	POA	POA
EB	SS	237.73	283.04	344.48	456.07	677.64	1389.28	2649.15	N/A	POA	POA
EO		30.75	33.97	43.66	N/A	N/A	N/A	N/A	N/A	POA	POA
FC *	CS	318.60	394.61	525.62	850.72	1109.48	1950.50	POA	POA	POA	POA
FC *	SS	426.95	496.52	651.77	996.25	1368.24	2359.67	POA	POA	POA	POA
FG *	CS	359.03	423.73	532.09	642.08	828.05	1662.61	POA	POA	POA	POA
FG *	SS	467.41	543.43	677.66	811.90	1130.51	2144.57	POA	POA	POA	POA
FL *	CS	289.51	360.67	452.86	545.02	703.56	1413.52	POA	POA	POA	POA
FL *	SS	397.86	462.54	575.87	690.59	962.32	1822.72	POA	POA	POA	POA
FP *	CS	388.14	457.70	604.89	947.75	1234.02	2199.55	POA	POA	POA	POA
FP *	SS	496.52	577.36	752.06	1117.56	1536.45	2731.63	POA	POA	POA	POA
GO		59.84	84.12	119.67	N/A	N/A	N/A	N/A	N/A	POA	POA
HH *		43.66	43.66	43.66	67.93	98.66	119.67	221.58	271.70	POA	POA
HO *		50.13	50.13	50.13	82.48	109.98	132.63	242.59	292.73	POA	POA
HP *		50.13	50.13	50.13	82.48	109.98	132.63	242.59	292.73	POA	POA
MT ***		N/A	N/A	N/A	143.96	147.18	195.69	POA	N/A	POA	POA
MU ****		N/A	N/A	N/A	145.56	155.25	208.64	265.49	N/A	POA	POA
NC *		190.84	190.84	190.84	190.84	190.84	190.84	190.84	190.84	POA	POA
OL		76.01	97.04	119.67	N/A	N/A	N/A	N/A	N/A	POA	POA
PO *		46.90	46.90	46.90	77.64	106.74	122.91	229.66	271.70	POA	POA
TP *		77.64	97.04	119.67	N/A	N/A	N/A	N/A	N/A	POA	POA
VC *		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
RS *		153.66	203.79	247.46	284.67	354.20	470.62	525.62	606.52	POA	POA
BB *		22.64	29.12	38.83	48.54	59.73	90.61	169.88	412.61	POA	POA

* All pressure classes.

** All pressure classes, bonnet mount only.

*** Class 150 & 300 standard bonnet only.

**** All pressure classes, extended or fugitive emissions bonnets only.

• 170 in./lbs. output max., class 150 & 300 standard bonnet only. Consult factory for extended versions.

^a Only applies to carbon steel or stainless steel valves.

POA - Price On Application.

Top Entry Ball Valves

Valve Options Gear Operators

The following list adders are to be Added to base valve prices when an option of the listed suffix is required.
SELECT NEXT LARGER SIZE FOR FULL PORT.

150# Class Valves : Gear Operator List Price Adders

1, 2, 3, 5, 6, 7, A, U or Z Seats

Suffix	Valve Size (In.)			
	4	6	8	10
MG	912.16	1255.03	1521.88	2089.59
MH	1049.64	1394.04	1659.36	2227.05

150# Class Valves : Gear Operator List Price Adders

4, 8, 9 or B Seats

Suffix	Valve Size (In.)			
	4	6	8	10
MJ	917.04	1295.47	1617.32	2141.32
MK	1054.50	1437.34	1754.81	2278.82

300# Class Valves : Gear Operator List Price Adders

1, 2, 3, 5, 6, 7, A, U or Z Seats

Suffix	Valve Size (In.)			
	4	6	8	10
MG	912.16	1521.88	1919.76	3930.07
MH	1049.64	1659.36	2057.23	4067.57

300# Class Valves : Gear Operator List Price Adders

4, 8, 9 or B Seats

Suffix	Valve Size (In.)			
	4	6	8	10
MJ	917.04	1563.94	1971.51	POA
MK	1054.50	1701.44	2108.96	POA

600# Class Valves : Gear Operator List Price Adders

2, 3, 5, 6, A, U or Z Seats

Suffix	Valve Size (In.)	
	4	6
MG	1255.03	1910.05
MH	1392.49	2047.52

600# Class Valves : Gear Operator List Price Adders

4, 8, 9 or B Seats

Suffix	Valve Size (In.)	
	4	6
MJ	1295.47	1963.42
MK	1432.94	2100.90

Seal Kits

150# and 300# Class seal kits for standard or "EB" bonnet

Kit Type	Std. Port Full Port	Valve Size (In.)								
		1 1/2-3/4	1-1/2 1	2 1-1/2	3 2	4 3	6 4	8	10	12 Consult Factory
Soft Seated Seal Kits	Components Seats, Packaging, Gasket, & (o-ring on 7 & A Seat)	SS-015-ZO	SS-017-ZO	SS-018-ZO	SS-010-ZO	SS-01A-ZO	SS-01C-ZO	SS-01E-ZO	SS-01G-ZO	N/A
		127.69	216.21	284.31	357.51	577.12	917.63	1530.50	POA	N/A
		SS-025-00	SS-027-00	SS-028-00	SS-020-00	SS-02A-00	SS-02C-00	SS-02E-00	SS-02G-00	SS-02H-00
		127.69	216.21	284.31	357.51	577.12	917.63	1530.50	POA	POA
		SS-035-BO	SS-037-BO	SS-038-BO	SS-030-BO	SS-03A-BO	SS-03C-BO	SS-03E-BO	SS-03G-BO	SS-03H-BO
		134.50	226.42	294.51	372.85	609.48	951.68	1601.99	POA	POA
		SS-055-BO	SS-057-BO	SS-058-BO	SS-050-BO	SS-05A-BO	SS-05C-BO	SS-05E-BO	SS-05G-BO	SS-05H-BO
		134.50	226.42	294.51	372.85	609.48	951.68	1601.99	POA	POA
		SS-065-BO	SS-067-BO	SS-068-BO	SS-060-BO	SS-06A-BO	SS-06C-BO	SS-06E-BO	SS-06G-BO	SS-06H-BO
		134.50	226.42	294.51	372.85	609.48	951.68	1601.99	POA	POA
		SS-075-BO	SS-077-BO	SS-078-BO	SS-070-BO	SS-07A-BO	SS-07C-BO	SS-07E-BO	SS-07G-BO	N/A
		148.12	240.04	308.14	401.79	677.57	1064.03	1743.30	POA	N/A
		SS-0A5-BO	SS-0A7-BO	SS-0A8-BO	SS-0A0-BO	SS-0AA-BO	SS-0AC-BO	SS-0AE-BO	SS-0AG-BO	SS-0AH-BO
		148.12	240.04	308.14	401.79	677.57	1064.03	1743.30	POA	POA
		SS-0D5-BO	SS-0D7-BO	SS-0D8-BO	SS-0D0-BO	SS-0DA-BO	SS-0DC-BO	SS-0DE-BO	SS-0DG-BO	SS-0DH-BO
148.12	240.04	308.14	401.79	677.57	1034.03	1743.30	POA	POA		
SS-0F5-BO	SS-0F7-BO	SS-0F8-BO	SS-0F0-BO	SS-0FA-BO	SS-0FC-BO	SS-0FE-BO	SS-0FG-BO	SS-0FH-BO		
134.50	226.42	294.51	372.85	609.48	951.68	1601.99	POA	POA		
SS-0U5-BO	SS-0U7-BO	SS-0U8-BO	SS-0U0-BO	SS-0UA-BO	SS-0UC-BO	SS-0UE-BO	SS-0UG-BO	SS-0UH-BO		
134.50	226.42	294.51	372.85	609.48	951.68	1601.99	POA	POA		
PEEK Hard Seated Seal Kits	Ball, Seats, Packaging, & Gaskets	SS-085-B02	SS-087-B02	SS-088-B02	SS-080-B02	SS-08A-B02	SS-08C-B02	SS-08E-B02	SS-08G-B02	SS-08H-B02
		515.37	660.51	798.09	1603.04	2733.81	POA	POA	POA	POA
		SS-0B5-B02	SS-0B7-B02	SS-0B8-B02	SS-0B0-B02	SS-0BA-B02	SS-0BC-B02	SS-0BE-B02	SS-0BG-B02	SS-0BH-B02
		515.37	660.51	798.09	1603.04	2733.81	POA	POA	POA	POA
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	SS-045-BO	SS-047-BO	SS-048-BO	SS-040-BO	SS-04A-BO	SS-04C-BO	SS-04E-BO	SS-04G-BO	SS-04H-BO
		573.72	728.63	886.96	1729.67	3118.87	8393.01	POA	POA	POA
		SS-0H5-BO	SS-0H7-BO	SS-0H8-BO	SS-0H0-BO	SS-0HA-BO	SS-0HC-BO	SS-0HE-BO	SS-0HG-BO	SS-0HH-BO
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-095-BO	SS-097-BO	SS-098-BO	SS-090-BO	SS-09A-BO	SS-09C-BO	N/A	N/A	N/A
		2332.33	2912.87	3801.55	5832.56	8776.08	15250.41	N/A	N/A	N/A

150# and 300# Class seal kits for "FC-FL" Fugitive Emission Bonnet

Kit Type	Std. Port Full Port	Valve Size (In.)								
		1 1/2-3/4	1-1/2 1	2 1-1/2	3 2	4 3	6 4	8	10	12 Consult Factory
Soft Seated Seal Kits	Components Seats, Packaging, Gasket, & (o-ring on 7 & A Seat)	SS-015-FL	SS-017-FL	SS-018-FL	SS-010-FL	SS-01A-FL	SS-01C-FL	SS-01E-FL	SS-01G-FL	N/A
		226.42	388.16	461.34	565.22	880.17	1416.44	POA	POA	N/A
		SS-025-FL	SS-027-FL	SS-028-FL	SS-020-FL	SS-02A-FL	SS-02C-FL	SS-02E-FL	SS-02G-FL	SS-02H-FL
		226.42	388.16	461.34	565.22	880.17	1416.44	POA	POA	POA
		SS-035-FL	SS-037-FL	SS-038-FL	SS-030-FL	SS-03A-FL	SS-03C-FL	SS-03E-FL	SS-03G-FL	SS-03H-FL
		234.94	398.37	471.56	580.53	912.49	1450.48	POA	POA	POA
		SS-055-FL	SS-057-FL	SS-058-FL	SS-050-FL	SS-05A-FL	SS-05C-FL	SS-05E-FL	SS-05G-FL	SS-05H-FL
		234.94	398.37	471.56	580.53	912.49	1450.48	POA	POA	POA
		SS-065-FL	SS-067-FL	SS-068-FL	SS-060-FL	SS-06A-FL	SS-06C-FL	SS-06E-FL	SS-06G-FL	SS-06H-FL
		234.94	398.37	471.56	580.53	912.49	1450.48	POA	POA	POA
		SS-075-FL	SS-077-FL	SS-078-FL	SS-070-FL	SS-07A-FL	SS-07C-FL	SS-07E-FL	SS-07G-FL	N/A
		248.56	412.01	485.20	609.48	978.91	1562.84	POA	POA	N/A
		SS-0A5-FL	SS-0A7-FL	SS-0A8-FL	SS-0A0-FL	SS-0AA-FL	SS-0AC-FL	SS-0AE-FL	SS-0AG-FL	SS-0AH-FL
		248.56	412.01	485.20	609.48	978.91	1562.84	POA	POA	POA
		SS-0D5-FL	SS-0D7-FL	SS-0D8-FL	SS-0D0-FL	SS-0DA-FL	SS-0DC-FL	SS-0DE-FL	SS-0DG-FL	SS-0DH-FL
248.56	412.01	485.20	609.48	978.91	1562.84	POA	POA	POA		
SS-0F5-FL	SS-0F7-FL	SS-0F8-FL	SS-0F0-FL	SS-0FA-FL	SS-0FC-FL	SS-0FE-FL	SS-0FG-FL	SS-0FH-FL		
234.94	398.37	471.56	580.53	912.49	1450.48	POA	POA	POA		
SS-0U5-FL	SS-0U7-FL	SS-0U8-FL	SS-0U0-FL	SS-0UA-FL	SS-0UC-FL	SS-0UE-FL	SS-0UG-FL	SS-0UH-FL		
234.94	398.37	471.56	580.53	912.49	1450.48	POA	POA	POA		
PEEK Hard Seated Seal Kits	Ball, Seats, Packaging, & Gaskets	SS-085-FL2	SS-087-FL2	SS-088-FL2	SS-080-FL2	SS-08A-FL2	SS-08C-FL2	SS-08E-FL2	SS-08G-FL2	SS-08H-FL2
		614.10	832.46	975.14	1799.38	3036.87	POA	POA	POA	POA
		SS-0B5-FL2	SS-0B7-FL2	SS-0B8-FL2	SS-0B0-FL2	SS-0BA-FL2	SS-0BC-FL2	SS-0BE-FL2	SS-0BG-FL2	SS-0BH-FL2
		614.10	832.46	975.14	1799.38	3036.87	POA	POA	POA	POA
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	SS-045-FL	SS-047-FL	SS-048-FL	SS-040-FL	SS-04A-FL	SS-04C-FL	SS-04E-FL	SS-04G-FL	SS-04H-FL
		674.19	900.60	1064.03	1937.38	3421.90	8891.84	POA	POA	POA
		SS-0H5-FL	SS-0H7-FL	SS-0H8-FL	SS-0H0-FL	SS-0HA-FL	SS-0HC-FL	SS-0HE-FL	SS-0HG-FL	SS-0HH-FL
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-095-FL	SS-097-FL	SS-098-FL	SS-090-FL	SS-09A-FL	SS-09C-FL	N/A	N/A	N/A
		2425.97	3084.82	3978.59	6028.89	9079.14	15749.24	N/A	N/A	N/A

NOTE: Seat rings are only included with the #4 and #H seal kit for valves with stainless internals only. Consult factory for other alloys or when ball stop seals are needed. Visit our web site at www.conbraco.com for installation, operation and maintenance manuals. POA - Price on application

Top Entry Ball Valves

Seal Kits

150# and 300# Class Seal Kits for "FG-FP" Fugitive Emission Bonnet

Kit Type	Std. Port Full Port	Valve Size (In.)										
		1 1/2-3/4	1-1/2 1	2 1-1/2	3 2	4 3	6 4	8	10	12	Consult Factory	
Soft Seated Seal Kits	Components Seats, Packaging, Gasket, & (o-ring on 7 & A Seat)	SS-015-FG	SS-017-FG	SS-018-FG	SS-010-FG	SS-01A-FG	SS-01C-FG	SS-01E-FG	SS-01G-FG	N/A		
		388.16	548.20	621.40	834.19	1149.48	1685.41	POA	POA	N/A		
		SS-025-FG	SS-027-FG	SS-028-FG	SS-020-FG	SS-02A-FG	SS-02C-FG	SS-02E-FG	SS-02G-FG	SS-02H-FG		
		388.16	548.20	621.40	834.19	1149.48	1685.41	POA	POA	POA		
		SS-035-FG	SS-037-FG	SS-038-FG	SS-030-FG	SS-03A-FG	SS-03C-FG	SS-03E-FG	SS-03G-FG	SS-03H-FG		
		394.98	560.11	633.31	851.24	1181.50	1719.48	POA	POA	POA		
		SS-055-FG	SS-057-FG	SS-058-FG	SS-050-FG	SS-05A-FG	SS-05C-FG	SS-05E-FG	SS-05G-FG	SS-05H-FG		
		394.98	560.11	633.31	851.24	1181.50	1719.48	POA	POA	POA		
		SS-065-FG	SS-067-FG	SS-068-FG	SS-060-FG	SS-06A-FG	SS-06C-FG	SS-06E-FG	SS-06G-FG	SS-06H-FG		
		394.98	560.11	633.31	851.24	1181.50	1719.48	POA	POA	POA		
		SS-075-FG	SS-077-FG	SS-078-FG	SS-070-FG	SS-07A-FG	SS-07C-FG	SS-07E-FG	SS-07G-FG	N/A		
		408.58	572.02	645.23	880.17	1249.60	1831.82	POA	POA	N/A		
SS-0A5-FG	SS-0A7-FG	SS-0A8-FG	SS-0A0-FG	SS-0AA-FG	SS-0AC-FG	SS-0AE-FG	SS-0AG-FG	SS-0AH-FG				
408.58	572.02	645.23	880.17	1249.60	1831.82	POA	POA	POA				
SS-0D5-FG	SS-0D7-FG	SS-0D8-FG	SS-0D0-FG	SS-0DA-FG	SS-0DC-FG	SS-0DE-FG	SS-0DG-FG	SS-0DH-FG				
408.58	572.02	645.23	880.17	1249.60	1831.82	POA	POA	POA				
SS-0F5-FG	SS-0F7-FG	SS-0F8-FG	SS-0F0-FG	SS-0FA-FG	SS-0FC-FG	SS-0FE-FG	SS-0FG-FG	SS-0FH-FG				
394.98	560.11	633.31	851.24	1181.50	1719.48	POA	POA	POA				
SS-0U5-FG	SS-0U7-FG	SS-0U8-FG	SS-0U0-FG	SS-0UA-FG	SS-0UC-FG	SS-0UE-FG	SS-0UG-FG	SS-0UH-FG				
394.98	560.11	633.31	851.24	1181.50	1719.48	POA	POA	POA				
PEEK Hard Seated Seal Kits	Ball, Seats, Packaging, & Gaskets	SS-085-FG2	SS-087-FG2	SS-088-FG2	SS-080-FG2	SS-08A-FG2	SS-08C-FG2	SS-08E-FG2	SS-08G-FG2	SS-08H-FG2		
		781.91	992.51	1135.17	2079.70	3305.82	POA	POA	POA	POA		
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	SS-0B5-FG2	SS-0B7-FG2	SS-0B8-FG2	SS-0B0-FG2	SS-0BA-FG2	SS-0BC-FG2	SS-0BE-FG2	SS-0BG-FG2	SS-0BH-FG2		
		781.91	992.51	1135.17	2079.70	3305.82	POA	POA	POA	POA		
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	SS-045-FG	SS-047-FG	SS-048-FG	SS-040-FG	SS-04A-FG	SS-04C-FG	SS-04E-FG	SS-04G-FG	SS-04H-FG		
		834.19	1062.31	1165.77	2208.07	3690.89	9160.80	POA	POA	POA		
		SS-0H5-FG	SS-0H7-FG	SS-0H8-FG	SS-0H0-FG	SS-0HA-FG	SS-0HC-FG	SS-0HE-FG	SS-0HG-FG	SS-0HH-FG		
		POA	POA	POA	POA	POA	POA	POA	POA	POA		
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	SS-095-FG	SS-097-FG	SS-098-FG	SS-090-FG	SS-09A-FG	SS-09C-FG	N/A	N/A	N/A		
		2587.71	3244.86	4138.63	6309.24	9348.09	16018.24	N/A	N/A	N/A		

600# Class Seal Kits

Kit Type	Std. Port Full Port	Seat Number	Valve Size (In.)						
			1 1/2-3/4	1-1/2 1	2 1-1/2	3 2	4 3	6 4	8
Soft Seated Seal Kits	Components Seats, Packaging, Gasket, & (o-ring on 7 & A Seat)	#2	78-914-01	78-917-01	78-920-01	78-1382-01	78-1383-01	78-1384-01	78-1898-01
			144.73	234.94	306.44	383.04	738.86	1099.78	POA
		#3	78-915-01	78-918-01	78-921-01	78-1403-01	78-1404-01	78-1405-01	78-1899-01
			151.53	245.15	331.49	398.37	771.22	1133.83	POA
		#5	78-1385-01	78-1386-01	78-1387-01	78-1388-01	78-1389-01	73-1390-01	78-1900-01
			151.53	245.15	331.49	398.37	771.22	1133.83	POA
		#6	78-1852-01	78-1853-01	78-1854-01	78-1855-01	78-1856-01	78-1857-01	78-1901-01
			151.53	245.15	331.49	398.37	771.22	1133.83	POA
		#A	78-1394-01	78-1395-01	78-1396-01	78-1397-01	78-1398-01	78-1399-01	78-1902-01
			165.25	257.07	328.57	427.31	837.61	1246.20	POA
		#F	78-1858-01	78-1859-01	78-1860-01	78-1861-01	78-1862-01	78-1863-01	78-1903-01
			151.53	245.15	331.49	398.37	771.22	1133.83	POA
#D	78-1864-01	78-1865-01	78-1866-01	78-1867-01	78-1868-01	78-1869-01	78-1904-01		
	165.25	257.07	328.57	427.31	837.61	1246.20	POA		
#U	78-1870-01	78-1871-01	78-1872-01	78-1873-01	78-1874-01	78-1875-01	78-1905-01		
	151.53	245.15	331.49	398.37	771.22	1133.83	POA		
PEEK Hard Seated Seal Kits	Ball, Seats, Packaging, & Gaskets	#8	78-1876-02	78-1877-02	78-1878-02	78-1879-02	78-1880-02	78-1881-02	78-1882-02
			532.39	678.74	819.57	1628.55	2895.53	POA	POA
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	#B	78-1883-02	78-1884-02	78-1885-02	78-1886-02	78-1887-02	78-1888-02	78-1889-02
			532.39	678.74	819.57	1628.55	2895.53	POA	POA
Other Hard Seated Seal Kits	Ball, Seats, Packaging, & Gasket	#4	78-923-01	78-924-01	78-925-01	78-1400-01	78-1401-01	78-1402-01	78-1890-01
			606.07	921.02	1423.24	2056.54	3329.99	9429.82	POA
		#H	Consult Factory For Part Numbers						
		POA	POA	POA	POA	POA	POA	POA	
#9	78-1891-01	78-1892-01	78-1893-01	78-1894-01	78-1895-01	78-1896-01	Not Available	Not Available	
		POA	POA	POA	POA	POA	Not Available	Not Available	

NOTE: Seat rings are only included with the #4 and #H seal kit for valves with stainless internals only. Consult factory for other alloys or when ball stop seals are needed. Visit our web site at www.conbraco.com for installation, operation and maintenance manuals. POA - Price on application

NOTE: Select Next Larger size for Full Port Parts.

Valve Parts

150# and 300# Class Balls (Soft Seats Only)

The following are individual replacement part prices only. Consult factory for exotic trim pricing.

Ball Material	Valve Size (In.)							
	1/2-1	1-1/2	2	3	4	6	8	10
Stainless	K-3615-00	K-3627-00	K-3639-00	K-3651-00	K-3663-00	K-3675-00	K-3566-00	K-3707-00
Steel	151.53	241.76	357.51	907.40	1729.67	4084.14	8697.76	15670.95
Alloy 20	K-3618-00	K-3630-00	K-3642-00	K-3654-00	K-3666-00	K-3678-00	K-3562-00	K-3710-00
	POA	POA	POA	POA	POA	POA	POA	POA
Hastelloy	K-3617-00	K-3629-00	K-3641-00	K-3653-00	K-3665-00	K-3677-00	K-3563-00	K-3709-00
C	POA	POA	POA	POA	POA	POA	POA	POA
M35-1	K-3619-00	K-3631-00	K-3643-00	K-3655-00	K-3667-00	K-3679-00	K-3564-00	K-3711-00
	POA	POA	POA	POA	POA	POA	POA	POA

150# and 300# Class Stems

The following are individual replacement part prices only. Consult factory for exotic trim pricing.

Stem Material	Valve Size (In.)							
	1/2-1	1-1/2	2	3	4	6	8	10
Stainless	G-3528-20	G-3748-20	G-3583-20	G-3162-20	G-3164-20	G-3167-20	G-3486-20	G-3623-20
Steel	69.80	90.23	134.50	308.14	308.14	742.26	1118.49	1476.01
Alloy 20	G-3531-20	G-3752-20	G-3585-00	G-3325-00	G-3358-20	G-3389-20	G-3482-20	G-3626-20
	POA	POA	POA	POA	POA	POA	POA	POA
Hastelloy	G-3530-06	G-3751-06	G-3586-06	G-3333-06	G-3334-06	G-3361-06	G-3483-06	G-3625-06
C	POA	POA	POA	POA	POA	POA	POA	POA
M35-1	G-3532-06	G-3750-06	G-3587-06	G-3328-06	G-3329-06	G-3360-06	G-3484-06	G-3627-06
	POA	POA	POA	POA	POA	POA	POA	POA

150# and 300# Class Extended Stems

The following are individual replacement part prices only. Consult factory for exotic trim pricing.

Stem Material	Valve Size (In.)						
	1/2-1	1-1/2	2	3	4	6	8
Stainless	G-3534-20	G-3754-20	G-3589-20	G-3313-20	G-3314-20	G-3399-20	G-3599-20
Steel	78.32	100.46	149.82	331.99	527.76	813.76	1207.02
Alloy 20	G-3537-20	G-3758-20	G-3591-00	G-3344-00	G-3448-20	G-3405-20	G-3601-20
	POA	POA	POA	POA	POA	POA	POA
Hastelloy	G-3536-06	G-3757-06	G-3592-06	G-3445-06	G-3449-06	G-3403-06	G-3602-06
C	POA	POA	POA	POA	POA	POA	POA
M35-1	G-3538-06	G-3756-06	G-3593-06	G-3446-06	G-3450-06	G-3404-06	G-3603-06
	POA	POA	POA	POA	POA	POA	POA

NOTE: Consult factory for titanium, nickel or ceramic part prices.
POA- Price On Application

Top Entry Ball Valves

NOTE: Select Next Larger size for Full Port Parts.

Valve Parts

600# Class Balls

The following are individual replacement part prices only. See exotic trim for figuring adders to base valve prices.

Trim Material	Valve Size (In.)					
	1/2-1	1-1/2	2	3	4	6
Stainless	K-3519-09	K-3521-09	K-3523-00	K-3651-00	K-3663-00	K-3675-00
Steel	211.11	444.35	657.14	907.40	1729.67	4084.14
M35-1	K-3723-09	K-3725-09	K-3727-09	K-3655-00	K-3667-00	K-3679-00
	POA	POA	POA	POA	POA	POA

600# Class Stems

The following are individual replacement part prices only. See exotic trim for figuring adders to base valve prices.

Trim Material	Valve Size (In.)					
	1/2-1	1-1/2	2	3	4	6
Stainless	G-3596-20	G-3607-20	G-3595-20	G-3313-20	G-3314-20	G-3716-20
Steel	85.13	132.61	202.21	331.99	527.76	813.76
M35-1	G-3638-06	G-3639-06	G-3640-06	G-3446-06	G-3450-06	G-3720-06
	POA	POA	POA	POA	POA	POA

150#, 300# and 600# Class Bonnet Gaskets

The following are individual replacement part prices only. See exotic trim for figuring adders to base valve prices.

Gasket Material	Valve Size (In.)							
	1/2-1	1-1/2	2	3	4	6	8	10
Spiralwound SS & Graph.	D-3182-00	D-3183-00	D-3184-00	D-3185-00	D-3186-00	D-3187-00	D-3188-00	D-3276-00
	15.32	44.29	56.19	86.82	127.69	187.29	255.38	527.76
Graphite	D-3167-00	D-3168-00	D-2361-00	D-3169-00	D-3170-00	D-3171-00	D-3004-00	
	8.51	22.13	28.93	37.46	81.73	117.47	207.69	N/A
RTFE	D-3207-00	D-3208-00	D-3209-00	D-3210-00	D-3211-00	D-3212-00	D-3003-00	D-3279-00
	8.51	20.42	25.55	34.05	78.32	112.35	202.60	POA
TFE	D-3201-00	D-3202-00	D-3203-00	D-3204-00	D-3205-00	D-3206-00	D-3002-00	D-3278-00
	8.51	20.42	25.55	34.05	78.32	112.35	202.60	POA

150#, 300# and 600# Class Seat Components (Metallic Parts)

The following are individual replacement part prices only. See exotic trim for figuring adders to base valve prices.

Component	Valve Size (In.)							
	1/2-1	1-1/2	2	3	4	6	8	10
SS Seat	L-4496-06	L-4367-06	L-4368-06	L-4369-06	L-4370-06	L-4371-06	L-5169-05	L-5464-05
Holder *	22.13	25.55	37.46	68.11	141.59	214.51	POA	POA
SS Inner	L-4495-06	L-4378-06	L-4379-06	L-4380-06	L-4381-06	L-4382-06	L-5219-05	L-5470-05
Ring **	20.59	22.13	25.55	35.75	45.97	139.61	POA	POA
SS Seat	L-4901-00	L-4902-00	L-4903-06	L-4904-00	L-4905-05	L-4906-00	L-5163-05	L-5476-05
Holder ^a	78.32	115.75	151.53	236.67	338.80	760.97	POA	POA

NOTE: Consult factory for titanium, nickel or ceramic part prices.

* Used in 1, 2, 3, 5, 6, 8, B, C, D and U seat designs.

** Used in 3, 5, 6, 8, B, C and D seat designs.

^a Used for API607 (7, A and Z) seat designs.

POA-Price On Application

Top Entry Price List



SALES AND SERVICE DEPARTMENT
PO Box 247 • Matthews, NC 28106
Phone: 704-841-6000 • Fax: 704-841-6020

			E-Mail Address	Phone	Fax
Southeast Region	Spirit Group, Inc.	Florida (except Pan Handle)	info@spiritgroupinc.com	407-291-6035	407-299-0378
	Spotswood Associates	Georgia/Alabama/Florida Pan Handle	dlewis@spotswoodassociates.com	770-447-1227	770-263-6899
	Pro Marketing, Inc.	North Carolina/South Carolina/Tennessee-East	sales@promarketinginc.net	864-578-4334	864-578-4889
	Mid South Marketing, Inc.	Virginia/Maryland/Washington, D.C./WV-East	midsouth7@aol.com	804-213-3801	804-213-3802
Southern Region	Southern Marketing Group	MS/TN-West/AR/Bowie Cty.-TX	SMG49@bellsouth.net	901-547-0042	901-547-0035
	AVC Mechanical Sales, Inc.	Oklahoma/Texas-North/Wichita & W. Kansas	valvesales@avalve.com	214-201-0100	214-201-0104
	Armstrong/Weatherly Associates	Texas-South/Louisiana	sales@armstrong-weatherly.com	713-692-5566	713-692-6021
Midwestern Region	New Tech Marketing	IL/WI-East/IN-North/MI-Upper Peninsula/IA-River Counties	ntm012@mcleodusa.net	630-378-4300	630-378-0343
	New Tech Marketing	Eastern Missouri/Southern Illinois/Kansas City	ntm112@aol.com	618-394-0329	618-394-0427
	Whitfill-McCarthy, LLC	Kentucky/Indiana-South/Ohio-South	whitfill@win.net	502-459-4545	502-459-9944
	V.E. Sales Co., Inc.	Michigan (Except Upper Peninsula)	tomv@vesalesinc.com	586-774-7760	586-774-1490
	FourMation Sales	Minnesota/North & South Dakota/Wisconsin-West	deanc@fourmationsales.com	763-420-6900	763-420-6993
	Marshall-Rodeno Heartland	Nebraska/Iowa (Except River Counties)	trodeno@marshallrodeno.com	303-575-6701	303-575-6706
	Midwest Spec	Ohio-North/Pennsylvania-West/West Virginia-West	glsales@mwspec.com	330-538-0406	330-538-0410
Western Region	Spec Management Group	California-South (Irrigation), Hawaii (All Products)	msmarch4@cox.net	949-481-4225	949-487-0990
	Marshall-Rodeno Associated	CO/WY/MT/ID-SE/UT/NV-NE/NM/EI Paso-TX	trodeno@marshallrodeno.com	303-575-6701	303-575-6706
	Suntoya Corporation	WA, OR, AK, Northern counties ID	kim@suntoya.com	509-534-1516	509-535-6546
	Southwestern Industrial Sales Co.	Arizona/Nevada-SW	eduardop@sw-ind.com	480-458-5838	480-458-5843
Northeast Region	Urell, Inc.	Massachusetts/New England States	conbraco@urell.com	617-923-9500	617-926-9414
	McMahon Marketing, Inc.	New York-Upstate/New York-West	sales@mcmahonmarketing.com	518-792-3350	518-792-3351
	Conroy & Griese Sales, Inc.	New York-East/New Jersey-North	iezzi52@aol.com	856-663-4440	856-663-6644
	Layden Company	Pennsylvania-East/Delaware/New Jersey-South	joejr@laydencompany.com	610-363-6657	877-529-3361
	Keith Engle & Associates	OEM accounts	keith.engle@verizon.net	610-827-9560	610-827-9561
Canada	Conbraco Industries, Canada	178 Pennsylvania Ave., Unit 1, Concord, Ontario L4K 4B1	conbraco.canada@conbraco.com	905-761-6161	905-761-6666
Int'l.	Sadek Trading	Middle East (except Israel)	ysadek@aol.com	704-618-6613	980-233-8437
	Conbraco International Sales:	Mexico	jose.arias@conbraco.com	956-631-4542	956-631-4681
		Caribbean	luis.guzman@conbraco.com	787-739-5620	
		Central & South America	esteban.bejarano@conbraco.com	506-8836-0759	
		Asia Pacific	jonathan.yap@conbraco.com	65-9626-9241	65-6753-0131
		Europe	allen.bellamy@conbraco.com	44-161-212-3745	44-161-212-3747
		Africa/Australia/Israel/India	donna.bult@conbraco.com	954-252-9781	954-252-8698
Regional Sales Managers:	Brian Blalock (Northeast)	brian.blalock@conbraco.com	704-614-3744	704-841-6020	
	Gary Koon (Southeast)	gary.koon@conbraco.com	205-706-3570	205-403-4619	
	Kevin Cronin (Midwest)	kevin.cronin@conbraco.com	563-590-7077	563-588-0677	
	Sean Perry (Western)	sean.perry@conbraco.com	704-641-9167	866-422-1330	