



# Commercial and Industrial **BAL-0217** Ball Valve Price List

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*Suggested list prices are subject to change without notification. Visit our Website for the most up-to-date product information.*

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Visit our website for complete product details, information and terms and conditions of sale.

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**BA-100 SERIES BALL VALVE**  
**2-PIECE / STANDARD PORT\* / BRONZE BODY / THREADED**  
**600 WOG 150 SWP**

BRONZE BODY, CHROME PLATED BALL											
MODEL	BA-100	BA-100-LD	BA-100-MS	BA-100-OH	BA-100-LO	BA-100-RVH	BA-100-SH	BA-100-TH	BA-100-XH	BA-100-XM	BA-100-M
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ STAINLESS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/STEM EXTENSION & MEMORY STOP	FNPT x MALE THREADED END
1/4"	31.91	43.51	36.81	48.04	81.18	47.85	41.69	46.59	45.77	71.37	41.61
3/8"	31.91	43.51	36.81	48.04	81.18	47.85	41.69	46.59	45.77	71.37	41.61
1/2"	31.91	43.51	36.81	48.04	81.18	47.85	41.69	46.59	45.77	71.37	41.61
3/4"	52.45	67.92	57.35	72.01	105.48	78.69	65.96	70.72	66.31	91.91	64.21
1"	57.96	73.43	62.86	77.52	110.99	102.55	71.47	76.23	71.82	97.42	91.39
1 1/4"	111.96	135.27	116.86	147.01		167.98	131.50	144.58	136.44	159.29	144.74
1 1/2"	142.89	166.20	147.78	177.93		214.36	162.42	175.50	167.36	190.21	179.11
2"	179.97	203.28	184.87	215.02		269.94	208.23	212.59	204.45	227.30	249.59
2 1/2"	875.50	898.81	880.40			1,313.24	903.76		899.98	922.83	
3"	994.90	1,018.22	999.80			1,492.35	1,023.16		1,019.38	1,042.23	

EXHAUST		BRONZE BODY, SS BALL/STEM							HOSE END	
MODEL	BA-100E	BA-100E-LD	BA-100S	BA-100S-LD	BA-100S-MS	BA-100S-SH	BA-100S-XH	BA-100S-XM	BA-100-H	BA-100S-H
SIZE	W/ EXHAUST PORT	W/ EXHAUST PORT & LOCKING HANDLE	STAINLESS BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ SS HANDLE	W/ XH STEM EXTENSION	W/STEM EXTENSION & MEMORY STOP	HOSE END W/CAP & CHAIN	HOSE END W/CAP & CHAIN, S.S. BALL & STEM
1/4"	39.80	55.21	49.73	61.34	54.62	59.51	63.59	89.19		
3/8"	39.80	55.21	49.73	61.34	54.62	59.51	63.59	89.19		
1/2"	39.80	55.21	49.73	61.34	54.62	59.51	63.59	89.19	51.56	69.32
3/4"	61.51	80.72	90.41	105.88	95.31	103.92	104.27	129.87	69.63	107.58
1"	78.67	97.88	105.31	120.78	110.20	118.82	119.16	144.77		
1 1/4"	128.77	163.13	182.73	206.04	187.62	202.26	207.20	230.05		
1 1/2"	164.42	198.77	245.99	269.30	250.88	265.53	270.46	293.31		
2"	207.01	239.76	330.11	353.42	335.00	358.37	354.58	377.43		
2 1/2"			1,295.19	1,318.50	1,300.09	1,323.45	1,319.66	1,342.52		
3"			1,476.09	1,499.40	1,480.98	1,504.34		1,523.41		

VALVE ACCESSORY LIST PRICE ADDERS FOR BA-100											
SUFFIX	-LD	-MS	-OH	-LO	-SH	-TH	-XH	-XM	-	-XLD	-TIH
SIZE	LOCKING HANDLE	MEMORY STOP	OVAL HANDLE	OVAL LOCKING HANDLE	SS HANDLE	"T" HANDLE	STEM EXTENSION	STEM EXTENSION W/ MEMORY STOP	CHAIN LEVER HANDLE	LOCKABLE STEM EXTENSION	THERMAL INSULATOR HANDLE W/MEMORY STOP
1/4"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	17.16	58.95	37.72
3/8"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	17.16	58.95	37.72
1/2"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	17.16	58.95	37.72
3/4"	15.47	4.89	19.56	53.02	13.51	18.27	13.86	39.46	18.74	69.57	37.72
1"	15.47	4.89	19.56	53.02	13.51	18.27	13.86	39.46	18.74	69.57	37.72
1 1/4"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	36.70	91.97	54.23
1 1/2"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	36.70	91.97	54.23
2"	23.31	4.89	35.04		28.26	32.62	24.47	47.32	39.50	91.97	54.23
2 1/2"	23.31	4.89			28.26		24.47	47.32	39.50		
3"	23.31	4.89			28.26		24.47	47.32	39.50		

\* All 1/4" thru 3/4" BA100 and BA400 series products are full port and identical in these sizes.

**NEW**

**BA-100-P2 SERIES BALL VALVE**  
**2-PIECE / STANDARD PORT\* / BRONZE BODY / PRESS x PRESS**  
**200 PSIG @ 250° F**

**BRONZE BODY, CHROME PLATED BALL**

MODEL	BA-100-P2	BA-100-P2-LD	BA-100-P2-MS	BA-100-P2-OH	BA-100-P2-SH	BA-100-P2-TH	BA-100-P2-XH	BA-100-P2-XM	BA-100-P2-TIH
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ STAINLESS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/STEM EXTENSION & MEMORY STOP	W/THERMAL INSULATOR HANDLE W/MEMORY STOP
1/2"	44.19	55.79	49.09	60.32	53.97	58.87	58.05	83.65	81.91
3/4"	72.02	87.49	76.92	91.58	85.53	90.29	85.88	111.48	109.74
1"	100.66	116.12	105.55	120.22	114.16	118.92	114.51	140.11	138.38
1 1/4"	196.38	219.68	201.27	231.41	215.91	228.99	220.84	243.69	250.61
1 1/2"	239.13	262.43	244.02	274.17	258.66	271.74	263.60	286.45	293.36
2"	320.47	343.77	325.37	355.52	348.73	353.09	344.95	367.80	374.71

**BRONZE BODY, SS BALL/STEM**

**PRESS x HOSE END**

MODEL	BA-100S-P2	BA-100S-P2-LD	BA-100S-P2-MS	BA-100S-P2-SH	BA-100S-P2-XH	BA-100S-P2-XM	BA-100S-P2-TIH	BA100-H-P1	BA100S-H-P1
SIZE	STAINLESS BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ SS HANDLE	W/ XH STEM EXTENSION	W/STEM EXTENSION & MEMORY STOP	W/THERMAL INSULATOR HANDLE W/MEMORY STOP	HOSE END W/CAP & CHAIN	HOSE END W/CAP & CHAIN, S.S. BALL & STEM
1/2"	62.01	73.61	66.90	71.78	75.87	101.47	99.73	57.70	75.46
3/4"	109.98	125.45	114.88	123.49	123.84	149.44	147.70	79.42	117.37
1"	148.00	163.46	152.89	161.51	161.85	187.46	185.72		
1 1/4"	267.14	290.45	272.03	286.67	291.61	314.46	321.38		
1 1/2"	342.23	365.54	347.12	361.76	366.70	389.55	396.46		
2"	470.60	493.91	475.49	498.86	495.08	517.92	524.84		

**FOR A COMPLETE LIST OF ACCESSORIES AVAILABLE FOR BA-100-P2 SERIES SEE PAGE 2 (BA-100 SERIES)**

\* All 1/2" & 3/4" BA-100-P2 and BA-400-P2 series products are full port and identical in these sizes.

**BA-150 SERIES BALL VALVE**  
**2-PIECE / STANDARD PORT\* / BRONZE BODY / SOLDER**  
**600 WOG 150 SWP**

BRONZE BODY, CHROME PLATED BALL										
MODEL	BA-150	BA-150-LD	BA-150-MS	BA-150-OH	BA-150-LO	BA-150-RVH	BA-150-SH	BA-150-TH	BA-150-XH	BA-150-XM
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/OVAL HANDLE	W/OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ SS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEMORY STOP
3/8"	31.91	43.51	36.81	48.04	81.18	47.85	41.69	46.59	45.77	71.37
1/2"	31.91	43.51	36.81	48.04	81.18	47.85	41.69	46.59	45.77	71.37
3/4"	52.45	67.92	57.35	72.01	105.48	78.69	65.96	70.72	66.31	91.91
1"	57.96	73.43	62.86	77.52	110.99	102.55	71.47	76.23	71.82	97.42
1 1/4"	111.96	135.27	116.86	147.01		167.98	131.50	144.58	136.44	159.29
1 1/2"	142.89	166.20	147.78	177.93		214.36	171.15	175.50	167.36	190.21
2"	179.97	203.28	184.87	215.02		269.94	208.23	212.59	204.45	227.30
2 1/2"	875.50	898.81	880.40			1,313.24	903.76		899.98	922.83
3"	994.90	1,018.22	999.80			1,492.35	1,023.16		1,019.38	1,042.23

BRONZE BODY, SS BALL/STEM							HOSE END	
MODEL	BA-150S	BA-150S-LD	BA-150S-MS	BA-150S-SH	BA-150S-XH	BA-150S-XM	BA-150-H	BA-150S-H
SIZE	STAINLESS BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ STAINLESS HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEMORY STOP	HOSE END W/ CAP & CHAIN	HOSE END W/ CAP & CHAIN
3/8"	49.73	61.34	54.63	59.51	63.59	89.19		
1/2"	49.73	61.34	54.63	59.51	63.59	89.19	51.56	69.32
3/4"	90.41	105.88	95.31	103.92	104.27	129.87	69.63	107.58
1"	105.31	120.78	110.20	118.82	119.16	144.77		
1 1/4"	182.73	206.04	187.62	202.26	207.20	230.05		
1 1/2"	245.99	269.30	250.88	265.52	270.46	293.31		
2"	330.11	353.42	335.00	358.37	354.58	377.43		
2 1/2"	1,295.18	1,318.49	1,300.08	1,323.44	1,319.66	1,342.51		
3"	1,476.09	1,499.40	1,480.98	1,504.35	1,500.56	1,523.41		

VALVE ACCESSORY LIST ADDERS FOR BA-150											
SUFFIX	-LD	-MS	-OH	-LO	-SH	-TH	-XH	-XM	-	-XLD	-TIH
SIZE	LOCKING HANDLE	MEMORY STOP	OVAL HANDLE	OVAL LOCKING HANDLE	SS HANDLE	"T" HANDLE	STEM EXTENSION	STEM EXTENSION W/ MEMORY STOP	CHAIN LEVER HANDLE	LOCKABLE STEM EXTENSION	THERMAL INSULATOR HANDLE W/MEMORY STOP
3/8"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	17.16	58.95	37.72
1/2"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	17.16	58.95	37.72
3/4"	15.47	4.89	19.56	53.02	13.51	18.27	13.86	39.46	18.74	69.57	37.72
1"	15.47	4.89	19.56	53.02	13.51	18.27	13.86	39.46	18.74	69.57	37.72
1 1/4"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	36.70	91.97	54.23
1 1/2"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	36.70	91.97	54.23
2"	23.31	4.89	35.04		28.26	32.62	24.47	47.32	39.50	91.97	54.23
2 1/2"	23.31	4.89			28.26		24.47	47.32	39.50		
3"	23.31	4.89			28.26		24.47	47.32	39.50		

\* All 3/8" thru 3/4" BA150 and BA450 series products are full port and identical in these sizes.

**BA-200 & BA-250**  
**2-PIECE / BRASS BODY / STANDARD PORT**  
**400 WOG**

THREADED END						
MODEL	BA-200	BA-200-MS	BA-200-OH	BA-200-SH	BA-200-TH	BA-200-XH
SIZE	CHROME PLATED BALL	W/ MEMORY STOP	W/ OVAL HANDLE	W/ STAINLESS STEEL HANDLE	W/ "T" HANDLE	W/ STEM EXTENSION & MEMORY STOP
1/4"	22.58	28.44	40.32	36.41	29.65	40.77
3/8"	22.58	28.44	40.32	36.41	29.65	40.77
1/2"	22.58	28.44	40.32	36.41	29.65	40.77
3/4"	31.16	37.02	48.90	44.99	38.22	49.35
1"	50.13	56.40	69.80	68.60	57.20	72.36
1 1/4"	87.68	93.95	107.35	106.15	94.74	109.90
1 1/2"	114.27	122.12	137.89	143.17	121.33	144.59
2"	138.04	145.89	161.66	166.94	145.10	168.36
2 1/2"	463.40	471.25		499.78		
3"	703.55	711.40		739.93		
4"	1,373.60	1,381.45		1,409.98		

SOLDER END						
MODEL	BA-250	BA-250-MS	BA-250-OH	BA-250-SH	BA-250-TH	BA-250-XH
SIZE	CHROME PLATED BALL	W/ MEMORY STOP	W/ OVAL HANDLE	W/ SS HANDLE	W/ "T" HANDLE	W/ STEM EXTENSION & MEMORY STOP
3/8"	22.58	28.44	40.32	36.41	29.65	40.77
1/2"	22.58	28.44	40.32	36.41	29.65	40.77
3/4"	31.16	37.02	48.90	44.99	38.22	49.35
1"	50.13	56.40	69.80	68.60	57.20	72.36
1 1/4"	87.68	93.95	107.35	106.15	94.74	109.90
1 1/2"	114.27	122.12	137.89	143.17	121.33	144.59
2"	138.04	145.89	161.66	166.94	145.10	168.36
2 1/2"	463.40	471.25		499.78		
3"	703.55	711.40		739.93		

VALVE ACCESSORY LIST ADDERS FOR BA-200 & BA-250					
SUFFIX	-MS	-OH	-SH	-TH	-XH
SIZE	MEMORY STOP	OVAL HANDLE	STAINLESS STEEL HANDLE	"T" HANDLE	STEM EXTENSION W/ MEMORY STOP
1/4" - 1/2"	5.86	17.74	13.83	7.07	18.19
3/4"	5.86	17.74	13.83	7.07	18.19
1"	6.27	19.67	18.47	7.07	22.22
1 1/4"	6.27	19.67	18.47	7.07	22.22
1 1/2"	7.85	23.62	28.90	7.07	30.32
2"	7.85	23.62	28.90	7.07	30.32
2 1/2"	7.85		36.38		58.59
3"	7.85		36.38		58.59
4"	7.85		36.38		58.59

**BA-300 SERIES BALL VALVE**  
**3-PIECE / FULL PORT / BRONZE BODY / THREADED ENDS**  
**600 WOG 150 SWP**

BRONZE BODY, CHROME PLATED BALL										
MODEL	BA-300	BA-300-LD	BA-300-MS	BA-300-OH	BA-300-LO	BA-300-RVH	BA-300-SH	BA-300-XH	BA-300-XM	BA-300-TIH
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ SS HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/ INSULATOR HANDLE & MEM.STOP
1/4"	81.75	93.36	86.65	97.88	131.03	122.66	91.53	95.61	121.21	120.96
3/8"	81.75	93.36	86.65	97.88	131.03	122.66	91.53	95.61	121.21	120.96
1/2"	94.43	106.04	99.33	110.56	133.63	141.59	104.21	108.29	133.89	133.64
3/4"	116.12	131.59	121.01	135.68	157.31	174.23	129.62	129.97	155.58	155.32
1"	152.68	175.99	157.57	187.72	191.30	229.01	172.21	177.15	200.00	209.81
1 1/4"	218.86	242.17	223.76	253.91		328.28	238.40	243.34	266.19	275.99
1 1/2"	283.98	307.29	288.88	319.03		426.00	303.52	308.46	331.31	341.11
2"	523.69	547.00	528.58			785.53	551.95	548.16	577.53	580.82
2 1/2"	1,030.12	1,077.16								
3"*	1,030.12	1,077.16								

BRONZE BODY, STAINLESS BALL/STEM										
MODEL	BA-300S	BA-300S-LD	BA-300S-MS	BA-300S-OH	BA-300S-LO	BA-300S-RVH	BA-300S-SH	BA-300S-XH	BA-300S-XM	BA-300S-TIH
SIZE	STAINLESS BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ SS HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/ INSULATOR HANDLE & MEM.STOP
1/4"	107.61	119.21	112.50	123.73	156.88	161.47	117.38	121.46	147.07	146.81
3/8"	107.61	119.21	112.50	123.73	156.88	161.47	117.38	121.46	147.06	146.81
1/2"	134.03	145.63	138.92	150.16	183.30	201.08	143.80	147.88	173.49	173.23
3/4"	159.59	175.06	164.48	179.15	212.61	239.30	173.09	173.44	199.05	198.79
1"	231.94	255.26	236.84	266.99	284.97	347.94	251.48	256.42	279.27	289.07
1 1/4"	314.24	337.54	319.13	349.28		471.33	333.77	338.71	361.56	371.37
1 1/2"	399.38	422.69	404.28	434.43		599.12	418.92	423.86	446.71	456.51
2"	652.09	675.41	656.99			978.15	680.35	676.57	705.93	709.22
2 1/2"	1,305.79	1,352.84								
3"*	1,305.79	1,352.84								

VALVE ACCESSORY LIST ADDERS FOR BA-300										
SUFFIX	-LD	-MS	-OH	-LO	-SH	-XH	-XM	-	-XLD	-TIH
SIZE	LOCKING HANDLE	MEMORY STOP	OVAL HANDLE	OVAL LOCKING HANDLE	STAINLESS STEEL HANDLE	STEM EXTENSION	STEM EXTENSION W/ MEMORY STOP	CHAIN LEVER HANDLE	LOCKABLE STEM EXTENSION	THERMAL INSULATOR HANDLE W/ MEMORY STOP
1/4"	11.60	4.89	16.13	49.27	9.77	13.86	39.46	17.16	58.95	39.20
3/8"	11.60	4.89	16.13	49.27	9.77	13.86	39.46	17.16	58.95	39.20
1/2"	11.60	4.89	16.13	49.27	9.77	13.86	39.46	17.16	58.95	39.20
3/4"	15.47	4.89	19.56	53.02	13.51	13.86	39.46	18.74	69.57	39.20
1"	23.31	4.89	35.04	53.02	19.54	24.47	47.32	36.71	91.97	57.13
1 1/4"	23.31	4.89	35.04		19.54	24.47	47.32	36.70	91.97	57.13
1 1/2"	23.31	4.89	35.04		19.54	24.47	47.32	36.70	91.97	57.13
2"	23.31	4.89			28.26	24.47	53.84		120.26	57.13

\* Standard port

**BA300-SB BALL VALVE**  
**3-PIECE / FULL PORT / BRONZE BODY / SIL-BRAZED ENDS**  
**600 WOG 150 SWP**

<b>BRONZE BODY, CHROME PLATED BALL</b>						
MODEL	BA-300SB	BA-300SB-LD	BA-300SB-OH	BA-300SB-LO	BA-300SB-SH	BA-300SB-TIH
SIZE	SIL-BRAZED ENDS CHROME PLATED BALL	SIL-BRAZED ENDS W/LOCKING HANDLE	SIL-BRAZED ENDS W/ OVAL HANDLE	SIL-BRAZE ENDS W/ LOCKING OVAL HANDLE	SIL-BRAZE ENDS W/STAINLESS HANDLE	SIL- BRAZE ENDS W/ THERMAL INSULATOR HANDLE
1/4"	<b>PLEASE CONSULT FACTORY FOR AVAILABILITY</b>					
3/8"						
1/2"						
3/4"	488.37	503.84	507.93	541.40	501.88	527.58
1"	596.93	620.25	631.97	649.96	616.47	654.06
1 1/4"	958.74	982.05	993.78		978.27	1,015.87
1 1/2"	994.90	1,018.21	1,029.95		1,014.44	1,052.03
2"	1,121.52	1,144.83			1,149.77	1,178.65

<b>BRONZE BODY, STAINLESS BALL/STEM</b>				
MODEL	BA-300SBS	BA-300SBS-LD	BA-300SBS-SH	BA-300SBS-TIH
SIZE	SIL-BRAZED ENDS W/STAINLESS STEEL BALL & STEM	SIL-BRAZED ENDS W/ STAINLESS STEEL BALL & STEM, LOCKING HANDLE	SIL-BRAZED ENDS W/ STAINLESS STEEL BALL & STEM, STAINLESS HANDLE	SIL- BRAZE ENDS W/ STAINLESS STEEL BALL & STEM , THERMAL INSULATOR HANDLE
1/4"	<b>PLEASE CONSULT FACTORY FOR AVAILABILITY</b>			
3/8"				
1/2"				
3/4"	560.74	576.21	574.25	595.65
1"	669.30	684.77	688.84	726.43
1 1/4"	1,067.13	1,090.43	1,086.66	1,124.26
1 1/2"	1,107.03	1,130.34	1,126.57	1,164.16
2"	1,248.17	1,271.48	1,276.43	1,305.30

<b>VALVE ACCESSORY LIST ADDERS FOR BA-300SB</b>						
SUFFIX	-LD	-OH	-LO	-SH	-	-TIH
SIZE	LOCKING HANDLE	OVAL HANDLE	OVAL LOCKING HANDLE	STAINLESS STEEL HANDLE	CHAIN LEVER HANDLE	THERMAL INSULATOR HANDLE W/MEMORY STOP
1/4"	11.60	16.13	49.27	9.77	17.16	39.20
3/8"	11.60	16.13	49.27	9.77	17.16	39.20
1/2"	11.60	16.13	49.27	9.77	17.16	39.20
3/4"	15.47	19.56	53.02	13.51	18.74	39.20
1"	23.31	35.04	53.02	19.54	36.71	57.13
1 1/4"	23.31	35.04		19.54	36.70	57.13
1 1/2"	23.31	35.04		19.54	36.70	57.13
2"	23.31			28.26		57.13

**PLEASE CONSULT FACTORY FOR TRIM OPTIONS**

**BA350 SERIES BALL VALVE**  
**3-PIECE / FULL PORT / BRONZE BODY / SOLDER ENDS**  
**600 WOG 150 SWP**

**BRONZE BODY, CHROME PLATED BALL**

MODEL	BA-350	BA-350-LD	BA-350-MS	BA-350-OH	BA-350-LO	BA-350-RVH	BA-350-SH	BA-350-XH	BA-350-XM	BA-350-TIH
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ STAINLESS HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/ INSULATOR HANDLE & MEM.STOP
3/8"	81.75	93.36	86.65	97.88	131.03	122.66	91.53	95.61	121.21	120.96
1/2"	94.43	106.04	99.33	110.56	133.63	141.59	107.94	108.29	133.89	133.64
3/4"	116.12	131.59	121.01	135.68	157.31	174.23	135.66	129.97	155.58	155.32
1"	152.68	175.99	157.57	187.72	191.30	229.01	172.21	177.15	200.00	209.81
1 1/4"	218.86	242.17	223.76	253.90		328.28	238.40	243.34	266.19	275.99
1 1/2"	283.98	307.29	288.88	319.02		426.00	312.24	308.46	331.31	341.11
2"	523.69	547.00	528.58			785.53	523.69	548.16	577.53	580.82
2 1/2"	1,030.12	1,077.16								
3"*	1,030.12	1,077.16								

**BRONZE BODY, STAINLESS BALL/STEM AND OTHER OPTIONS**

MODEL	BA-350S	BA-350S-LD	BA-350S-MS	BA-350S-OH	BA-350S-LO	BA-350S-RVH	BA-350S-SH	BA-350S-XH	BA-350S-XM	BA-350S-TIH
SIZE	STAINLESS STEEL BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ STAINLESS HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/ INSULATOR HANDLE & MEM.STOP
3/8"	107.61	119.21	112.50	123.73	156.88	161.47	117.38	121.46	147.07	146.81
1/2"	134.03	145.63	138.92	150.16	183.30	201.08	143.80	147.88	173.49	173.24
3/4"	159.59	175.06	164.48	179.15	212.61	239.30	173.09	173.44	199.05	198.80
1"	231.94	255.26	236.84	266.99	284.97	347.94	251.48	256.42	279.27	289.08
1 1/4"	314.24	337.54	319.13	349.28		471.33	333.77	338.71	361.56	371.37
1 1/2"	399.38	422.69	404.28	434.43		599.12	418.92	423.86	446.71	456.52
2"	652.09	675.41	656.99			978.15	680.35	676.57	705.93	709.20
2 1/2"	1,305.79	1,352.84								
3"*	1,305.79	1,352.84								

**VALVE ACCESSORY LIST ADDERS FOR BA-350**

SUFFIX	-LD	-MS	-OH	-LO	-SH	-XH	-XM	-	-XLD	-TIH	-OC
SIZE	LOCKING HANDLE	MEMORY STOP	OVAL HANDLE	OVAL LOCKING HANDLE	SS HANDLE	STEM EXTENSION	STEM EXTENSION W/ MEMORY STOP	CHAIN LEVER HANDLE	EXTENDED LOCKING DEVICE	THERMAL INSULATOR HANDLE W/ MEMORY STOP	OXYGEN CLEANING
3/8"	11.60	4.89	16.13	49.27	9.77	13.86	39.46	17.16	58.95	39.20	66.16
1/2"	11.60	4.89	16.13	49.27	9.77	13.86	39.46	17.16	58.95	39.20	66.16
3/4"	15.47	4.89	19.56	53.02	13.51	13.86	39.46	18.74	69.57	39.20	66.16
1"	23.31	4.89	35.04	53.02	19.54	24.47	47.32	36.71	91.97	57.13	66.16
1 1/4"	23.31	4.89	35.04		19.54	24.47	47.32	36.70	91.97	57.13	66.16
1 1/2"	23.31	4.89	35.04		19.54	24.47	47.32	36.70	91.97	57.13	66.16
2"	23.31	4.89			28.26	24.47	53.84		120.26	57.13	66.16

\* Standard Port



**BA-350-TE BALL VALVE**  
**3-PIECE / FULL PORT / BRONZE BODY EXTENDED COPPER TUBE ENDS**  
**600 WOG 150 SWP**

BRONZE BODY, CHROME PLATED BALL						
MODEL	BA-350-TE	BA-350-TE-LD	BA-350-TE-OH	BA-350-TE-SH	BA-350-TE-OC	BA-350-TE-G
SIZE	EXTENDED COPPER TUBE ENDS	EXTENDED COPPER TUBE ENDS W/LOCKING HANDLE	EXTENDED COPPER TUBE ENDS W/OVAL HANDLE	EXTENDED COPPER TUBE ENDS W/SS LEVER HDLE	EXTENDED COPPER TUBE ENDS - OXYGEN CLEANED	EXTENDED COPPER TUBE ENDS WITH 1/4" GUAGE PORT
1/2"	194.47	206.07	210.60	204.24	260.64	230.52
3/4"	203.48	218.95	223.04	216.99	269.66	240.04
1"	270.47	293.79	305.52	290.01	336.65	315.98
1 1/4"	371.71	395.02	406.75	391.24	437.88	420.71
1 1/2"	442.27	465.58	477.31	461.81	508.45	499.13
2"	637.11	660.42		665.37	703.28	686.91
2 1/2"	2,106.91	2,153.96			2,173.09	2,157.16
3"	2,106.91	2,153.96			2,173.09	2,157.16

BRONZE BODY, STAINLESS BALL/STEM						
MODEL	BA-350S-TE	BA-350S-TE-LD	BA-350S-TE-OH	BA-350S-TE-SH	BA-350S-TE-OC	BA-350S-TE-G
SIZE	EXTENDED COPPER TUBE ENDS W/SS BALL & STEM	EXTENDED COPPER TUBE ENDS SS BALL & STEM W/ LOCKING HANDLE	EXTENDED COPPER TUBE ENDS SS BALL & STEM W/ OVAL HANDLE	EXTENDED COPPER TUBE ENDS SS BALL & STEM W/ SS LEVER HANDLE	EXTENDED COPPER TUBE ENDS SS BALL & STEM - OXYGEN CLEANED	EXTENDED COPPER TUBE ENDS W/SS BALL & STEM W /1/4" GUAGE PORT
1/2"	220.33	231.93	236.46	230.10	286.50	256.70
3/4"	248.67	264.14	268.23	262.17	314.84	285.22
1"	353.79	377.10	388.83	373.32	419.96	399.29
1 1/4"	468.86	492.17	503.91	488.40	535.04	518.16
1 1/2"	566.22	589.53	601.26	585.76	632.39	606.12
2"	780.52	803.83		808.78	846.70	822.39
2 1/2"	2,380.44	2,427.48			2,446.61	2,430.25
3"	2,380.44	2,427.48			2,446.61	2,430.25

VALVE ACCESSORY LIST ADDERS FOR BA-350-TE					
SUFFIX	-LD	-OH	-LO	-SH	-OC
SIZE	LOCKING HANDLE	OVAL HANDLE	OVAL LOCKING HANDLE	STAINLESS HANDLE	OXYGEN CLEANING
1/2"	11.60	16.13	49.27	9.77	66.16
3/4"	15.47	19.56	53.02	13.51	66.16
1"	23.31	35.04	53.02	19.54	66.16
1 1/4"	23.31	35.04		19.54	66.16
1 1/2"	23.31	35.04		19.54	66.16
2"	23.31			28.26	66.16
2 1/2"	47.04				66.16
3"	47.04				66.16

**BA-400 SERIES BALL VALVE**  
**2-PIECE / FULL PORT\*\* / BRONZE BODY / THREADED**  
**600 WOG 150 SWP**

**BRONZE BODY, CHROME PLATED BALL**

MODEL	BA-400	BA-400-LD	BA-400-MS	BA-400-OH	BA-400-LO	BA-400-RVH	BA-400-SH	BA-400-TH	BA-400-XH	BA-400-XM
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ STAINLESS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP
1/4"	31.91	43.51	36.81	48.04	81.18	43.55	41.69	46.59	45.77	71.37
3/8"	31.91	43.51	36.81	48.04	81.18	43.55	41.69	46.59	45.77	71.37
1/2"	31.91	43.51	36.81	48.04	81.18	43.55	41.69	46.59	45.77	71.37
3/4"	52.45	67.92	57.35	72.01	105.48	78.69	65.96	70.72	66.31	91.91
1"	58.50	73.97	63.40	93.55		108.86	78.04	91.12	82.97	105.82
1 1/4"	170.95	194.25	175.84	205.99		257.86	190.48		195.42	218.27
1 1/2"	219.96	243.27	224.85	255.01		332.07	239.49		244.43	267.28
2"	375.38	398.69	380.28			566.68	403.64		399.85	429.22

**BRONZE BODY, STAINLESS BALL/STEM AND OTHER OPTIONS**

MODEL	BA-400S	BA-400S-LD	BA-400S-MS	BA-400S-OH	BA-400S-LO	BA-400S-RVH	BA-400S-SH	BA-400S-TH	BA-400S-XH	BA-400S-XM	BA-400S3
SIZE	STAINLESS STEEL BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ SS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/ O3 SEATS
1/4"	49.73	61.34	54.63	65.89	99.00	74.65	59.51	64.42	63.59	89.19	
3/8"	49.73	61.34	54.63	65.89	99.00	74.65	59.51	64.42	63.59	89.19	
1/2"	49.73	61.34	54.63	65.89	99.00	74.65	59.51	64.42	63.59	89.19	74.69
3/4"	90.41	105.88	95.31	109.95	143.43	135.67	103.92	108.68	104.26	129.87	118.48
1"	105.31	120.78	110.20	140.35	158.33	195.80	124.84	137.93	129.78	152.63	141.19
1 1/4"	261.41	284.72	266.31			392.17	280.95		285.89	308.74	297.29
1 1/2"	313.84	337.15	318.74			470.72	333.38		338.32	361.17	352.84
2"	525.47	548.78	530.37			788.24	549.94		554.84	579.31	569.15

**VALVE ACCESSORY LIST ADDERS FOR BA-400**

SUFFIX	-LD	-MS	-OH	-LO	-SH	-TH	-XH	-XM	-XLD	-	-TIH	3
SIZE	LOCKING HANDLE	MEMORY STOP	OVAL HANDLE	OVAL LOCKING HANDLE	SS HANDLE	"T" HANDLE	STEM EXTENSION	STEM EXTENSION W/ MEMORY STOP	EXTENDED LOCKING DEVICE	CHAIN LEVER HANDLE	THERMAL INSULATOR HANDLE W/MEMORY STOP	O3 Seats*
1/4"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	58.95	17.16	37.72	
3/8"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	58.95	17.16	37.72	
1/2"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	58.95	17.16	37.72	24.96
3/4"	15.47	4.89	19.56	53.02	13.51	18.27	13.86	39.46	58.95	18.74	37.72	28.07
1"	23.31	4.89	35.04	53.02	19.53	32.62	24.47	47.32	91.97	36.70	54.23	35.88
1 1/4"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	91.97	36.70	54.23	35.88
1 1/2"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	91.97	36.70	54.23	39.00
2"	23.31	4.89			28.26		24.47	53.84	120.26		54.23	43.68

\*Requires Stainless Steel Trim Only

\*\*All 1/4" thru 3/4" BA100 and BA400 series products are full port and identical in these sizes.

**NEW**

**BA-400-P2 SERIES BALL VALVE**  
**2-PIECE / FULL PORT\* / BRONZE BODY / PRESS x PRESS**  
**200 PSIG @ 250° F**

<b>BRONZE BODY, CHROME PLATED BALL</b>									
MODEL	BA-400-P2	BA-400-P2-LD	BA-400-P2-MS	BA-400-P2-OH	BA-400-P2-SH	BA-400-P2-TH	BA-400-P2-XH	BA-400-P2-XM	BA-400-P2-TIH
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ STAINLESS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/THERMAL INSULATOR HANDLE W/MEMORY STOP
1/2"	44.19	55.79	49.09	60.32	53.97	58.87	58.05	83.65	81.91
3/4"	72.02	87.49	76.92	91.58	85.53	90.29	85.88	111.48	109.74
1"	101.19	124.51	106.08	136.24	120.72	133.81	125.66	148.51	155.43
1 1/4"	255.35	278.66	260.25	290.40	274.89		279.83	302.68	309.59
1 1/2"	316.20	339.50	321.09	351.25	335.73		340.67	363.52	370.43
2"	515.87	539.18	520.76		544.13		540.34	569.71	570.11

<b>BRONZE BODY, STAINLESS BALL/STEM AND OTHER OPTIONS</b>									
MODEL	BA-400S-P2	BA-400S-P2-LD	BA-400S-P2-MS	BA-400S-P2-OH	BA-400S-P2-SH	BA-400S-P2-TH	BA-400S-P2-XH	BA-400S-P2-XM	BA-400S-P2-TIH
SIZE	STAINLESS STEEL BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ SS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP	W/THERMAL INSULATOR HANDLE W/MEMORY STOP
1/2"	62.01	73.61	66.91	78.17	71.79	76.69	75.87	101.47	99.73
3/4"	109.98	125.45	114.88	129.52	123.49	128.25	123.83	149.44	147.70
1"	148.00	171.31	152.89	183.04	167.53	180.61	172.47	195.32	202.24
1 1/4"	345.82	369.13	350.72		365.36		370.30	393.15	400.05
1 1/2"	410.08	433.39	414.98		429.61		434.55	457.40	464.32
2"	665.97	689.28	670.86		694.23		690.44	719.81	720.20

**FOR A COMPLETE LIST OF ACCESSORIES AVAILABLE FOR BA-400-P2 SERIES SEE PAGE 10 (BA-400 SERIES)**

\*1/2" & 3/4" BA100 and BA400 series products are full port and identical in these sizes.

**BA-450 SERIES BALL VALVE**  
**2-PIECE / FULL PORT\* / BRONZE BODY / SOLDER**  
**600 WOG 150 SWP**

**BRONZE BODY, CHROME PLATED BALL**

MODEL	BA-450	BA-450-LD	BA-450-MS	BA-450-OH	BA-450-LO	BA-450-RVH	BA-450-SH	BA-450-TH	BA-450-XH	BA-450-XM
SIZE	CHROME PLATED BALL	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/ STAINLESS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP
3/8"	31.91	43.51	36.81	48.04	81.18	43.55	41.69	46.59	45.77	71.37
1/2"	31.91	43.51	36.81	48.04	81.18	43.55	41.69	46.59	45.77	71.37
3/4"	52.45	67.92	57.35	72.01	105.48	78.69	65.96	70.72	66.31	91.91
1"	58.50	73.98	63.40	93.55		108.86	78.04	91.11	82.97	105.82
1 1/4"	170.95	194.25	175.84			257.86	190.48		195.42	218.27
1 1/2"	219.96	243.27	224.85			332.07	239.49		244.43	267.28
2"	375.38	398.69	380.28			566.68	403.64		399.85	429.22

**BRONZE BODY, STAINLESS BALL/STEM**

MODEL	BA-450S	BA-450S-LD	BA-450S-MS	BA-450S-OH	BA-450S-LO	BA-450S-RVH	BA-450S-SH	BA-450S-TH	BA-450S-XH	BA-450S-XM
SIZE	STAINLESS STEEL BALL & STEM	W/ LOCKING HANDLE	W/ MEMORY STOP	W/ OVAL HANDLE	W/ OVAL LOCKING HANDLE	REVERSE OPERATION HANDLE	W/STAINLESS HANDLE	W/ "T" HANDLE	W/ XH STEM EXTENSION	W/ STEM EXTENSION & MEM. STOP
3/8"	49.73	61.34	54.63	65.89	99.00	74.65	59.51	64.42	63.59	89.19
1/2"	49.73	61.34	54.63	65.89	99.00	74.66	59.51	64.42	63.59	89.19
3/4"	90.41	105.88	95.31	109.95	143.43	135.68	103.92	108.68	104.27	129.87
1"	105.31	120.78	110.20	140.35	158.33	195.80	124.84	137.92	129.78	152.63
1 1/4"	261.41	284.72	266.31			392.17	280.95		285.89	308.74
1 1/2"	313.84	337.15	318.74			470.72	333.38		338.32	361.17
2"	525.47	548.78	530.37			788.24	549.94		554.84	579.31

**VALVE ACCESSORY LIST ADDERS FOR BA-450**

SUFFIX	-LD	-MS	-OH	-LO	-SH	-TH	-XH	-XM	-XLD	-	-TIH
SIZE	LOCKING HANDLE	MEMORY STOP	OVAL HANDLE	OVAL LOCKING HANDLE	SS HANDLE	"T" HANDLE	STEM EXTENSION	STEM EXTENSION W/ MEMORY STOP	EXTENDED LOCKING DEVICE	CHAIN LEVER HANDLE	THERMAL INSULATOR HANDLE W/MEMORY STOP
3/8"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	58.95	17.16	37.72
1/2"	11.60	4.89	16.13	49.27	9.78	14.68	13.86	39.46	58.95	17.16	37.72
3/4"	15.47	4.89	19.56	53.02	13.51	18.27	13.86	39.46	58.95	18.74	37.72
1"	23.31	4.89	35.04	53.02	19.53	32.62	24.47	47.32	91.97	36.70	54.23
1 1/4"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	91.97	36.70	54.23
1 1/2"	23.31	4.89	35.04		19.53	32.62	24.47	47.32	91.97	36.70	54.23
2"	23.31	4.89			28.26		24.47	53.84	120.26		54.23

\* All 3/8" thru 3/4" BA150 and BA450 series products are full port and identical in these sizes.

**BA475B/BA485B**  
**2-PIECE / FULL PORT / BRASS BODY**  
**600 WOG**

<b>THREADED-CSA/AGA/UL/FM/CGA</b>					
MODEL	BA-475B	BA-475B-MS	BA-475B-TH	BA-475B-XH	BA-475B-LL
SIZE	CHROME PLATED BALL	W/ MEMORY STOP	W/ T-HANDLE	W/ STEM EXTENSION & MEM. STOP	W/ CGA APPROVED LOCKING HANDLE - LOCKED CLOSED
1/4"	29.89	35.75	36.96	48.08	44.01
3/8"	29.89	35.75	36.96	48.08	44.01
1/2"	29.89	35.75	36.96	48.08	44.01
3/4"	41.64	47.91	48.71	63.87	60.52
1"	70.42	76.69	77.49	92.64	98.72
1 1/4"	112.96	119.23	120.03	135.18	150.13
1 1/2"	141.97	148.24		164.19	179.14
2"	194.50	202.35		224.82	231.68
2 1/2"	754.20	762.05		812.79	791.38
3"	1,105.48	1,113.33		1,164.07	1,142.65
4"	1,139.12				

<b>SOLDER</b>					
MODEL	BA-485B	BA-485B-MS	BA-485B-TH	BA-485B-XH	BA-485B-LL
SIZE	CHROME PLATED BALL	W/ MEMORY STOP	W/ T-HANDLE	W/ STEM EXTENSION & MEM. STOP	W /LOCKING HANDLE
1/2"	29.89	35.75	36.96	48.08	44.01
3/4"	41.64	47.91	48.71	63.87	60.52
1"	70.42	76.69	77.49	92.64	98.72
1 1/4"	112.96	119.23	120.03	135.18	150.13
1 1/2"	141.97	149.82		164.19	179.14
2"	194.50	202.35		224.82	231.68
2 1/2"	754.20			812.79	791.38
3"	1,105.48			1,164.07	1,142.65
4"	1,139.12				

<b>VALVE ACCESSORY LIST ADDERS FOR BA-475B &amp; BA-485B</b>					
SUFFIX	-MS	-TH	-XH	-LL	-TIH
SIZE	MEMORY STOP	T-HANDLE	STEM EXTENSION W/ MEMORY STOP	LOCKING HANDLE	THERMAL INSULATOR HANDLE W /MEMORY STOP
1/4" - 1/2"	5.86	7.07	18.19	14.11	37.72
3/4" - 1"	6.27	7.07	22.22	18.87	37.72
1 1/4 - 1 1/2"	6.27	7.07	22.22	28.30	54.23
2"	7.85	7.07	30.32	37.18	54.23
2-1/2"	7.85		58.59	37.18	
3"	7.85		58.59	37.18	



**ULTRAPRESS BA480B/BA490B Series**  
**2-PIECE / BRASS BODY / FULL PORT / 200 PSIG @ 250° F**

PRESS X PRESS END						
MODEL	BA-480B	BA-481B*	BA-480S	BA-481S*	BA-480B-TIH	BA-480S-TIH
SIZE	CHROME PLATED BALL	W/ STEM EXTENSION & MEMORY STOP	STAINLESS BALL & STEM	W/ STEM EXTENSION & MEMORY STOP	W/ THERMAL INSULATOR HANDLE & MEMORY STOP	STAINLESS TRIM W/ THERMAL INSULATOR HANDLE & MEMORY STOP
1/2"	30.69	48.87	47.54	65.73	68.41	85.26
3/4"	46.62	68.84	84.49	106.73	84.34	122.21
1"	67.45	94.04	113.55	135.77	105.17	151.27
1 1/4"	138.74	169.06	228.42	250.65	192.97	282.65
1 1/2"	184.81	215.11	279.89	302.14	239.04	334.12
2"	318.07	376.64	468.71	499.02	372.30	522.94
2 1/2"	793.64	852.22				
3"	1,019.96	1,078.56				

PRESS X THREADED END (FNPT)					
MODEL	BA-490B	BA-491B*	BA-490S	BA-491S*	BA-490B-TIH
SIZE	CHROME PLATED BALL	W/ STEM EXTENSION & MEMORY STOP	STAINLESS BALL & STEM	W/ STEM EXTENSION & MEMORY STOP	W/ THERMAL INSULATOR HANDLE & MEMORY STOP
1/2"	27.42	45.62	44.88	63.10	65.14
3/4"	42.22	60.41	79.23	101.44	79.94
1"	60.86	83.09	106.95	129.19	98.58
1 1/4"	124.51	146.71	213.89	236.12	178.74
1 1/2"	166.17	196.47	260.10	282.32	220.40
2"	285.16	315.48	435.70	466.01	339.39

PRESS X HOSE END W/ CAP AND CHAIN		
MODEL	BA-480BH	BA-480SH
SIZE	CHROME PLATED BALL	STAINLESS STEEL BALL & STEM
1/2"	47.89	66.02
3/4"	63.81	102.99

VALVE ACCESSORY LIST ADDERS FOR BA-480B & BA-490B					
SUFFIX	-MS	-TH	-XH	-LL	-TIH
SIZE	MEMORY STOP	T-HANDLE	STEM EXTENSION W/ MEMORY STOP	LOCKING HANDLE	THERMAL INSULATOR HANDLE W/ MEMORY STOP
1/4" - 1/2"	5.86	7.07	18.19	14.11	37.72
3/4" - 1"	5.86	7.07	22.22	18.87	37.72
1 1/4" - 1-1/2"	6.27	7.07	22.22	28.30	54.23
2"	7.85	7.07	30.32	37.18	54.23

\* Model BA-481B and BA-491B include extension stem w/memory stop

**BA500/BA550 SERIES**  
**2-PIECE / FLANGED/ BRASS BODY 600 WOG**  
**SOLD IN PKG'S OF 2 INCLUDES 4 BOLTS & NUTS**  
**PLUS ONE "T" Handle**

<b>BA-500</b>				
<b>BRASS BODY, CHROME PLATED BALL, THREADED ENDS</b>				
<b>FLANGED X THREADED ISOLATION VALVE</b>				
<b>SIZE</b>	<b>PRICE FOR SET OF 2</b>	<b>SETS PER CARTON</b>	<b>TOTAL VALVES PER CARTON</b>	<b>CARTON WEIGHT</b>
3/4"	95.05	12	24	44
1"	105.56	12	24	48
1 1/4"	161.08	8	16	38

<b>BA-550</b>				
<b>BRASS BODY, CHROME PLATED BALL, THREADED ENDS</b>				
<b>FLANGED X SOLDER ISOLATION VALVE</b>				
<b>SIZE</b>	<b>PRICE FOR SET OF 2</b>	<b>SETS PER CARTON</b>	<b>TOTAL VALVES PER CARTON</b>	<b>CARTON WEIGHT</b>
3/4"	95.05	12	24	44
1"	105.56	12	24	48
1 1/4"	161.08	8	16	38

### BA260 SERIES BALL VALVES

2-PIECE / STAINLESS STEEL, FULL-PORT,  
PTFE PACKING, RPTFE SEATS,  
LOCKING HANDLE, THREADED ENDS  
1000 WOG

BA-260	
SIZE	LIST
1/4"	49.32
3/8"	49.32
1/2"	51.59
3/4"	80.74
1"	105.40
1 1/4"	174.90
1 1/2"	208.52
2"	280.27
2 1/2"	721.97
3"	852.01

### BA3WDSLH 3-WAY DIVERTER VALVE

STAINLESS STEEL 3-WAY DIVERTER,  
SINGLE REDUCED PORT, "L" PORT, FNPT ENDS,  
PTFE PACKING, LOCKING HANDLE  
1000 WOG

BA3WDSLH	
SIZE	LIST
3/8"	210.34
1/2"	217.53
3/4"	282.02
1"	382.44
1 1/4"	525.86
1 1/2"	631.05
2"	848.53

### 10 SERIES BALL VALVES-SS & CS

UNI-BODY, DOUBLE REDUCED BORE, RPTFE SEATS,  
GRAFOIL PACKING, LOCKING HANDLE  
FIRESAFE TO API 607, 2000# WOG

CARBON STEEL BODY W/ SS TRIM			STAINLESS STEEL BODY & BALL					
MODEL	10CSOD-02-LL		10CSOD-02-OH		10SSOD-02-LL		10SSOD-02-OH	
	CS BODY STAINLESS STEEL BALL & STEM LOCKING HANDLE THREADED ENDS		CS BODY STAINLESS STEEL BALL & STEM OVAL HANDLE THREADED ENDS		SS BODY STAINLESS STEEL BALL & STEM LOCKING HANDLE THREADED ENDS		SS BODY STAINLESS STEEL BALL & STEM OVAL HANDLE THREADED ENDS	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	19200	76.55	Consult Factory		19500	85.89	Consult Factory	
3/8"	19201	76.55	Consult Factory		19501	85.89	Consult Factory	
1/2"	19202	76.55	19212	88.18	19502	85.89	19512	102.09
3/4"	19203	88.18	19213	97.45	19503	109.08	19513	120.68
1"	19204	106.73	19214	118.35	19504	134.61	19514	146.19
1 1/4"	19205	215.81	Consult Factory		19505	229.74	Consult Factory	
1 1/2"	19206	227.42	Consult Factory		19506	299.36	Consult Factory	
2"	19207	285.42	Consult Factory		19507	348.09	Consult Factory	



**20 SERIES BALL VALVES - BRONZE BODY**  
**2-PIECE, SINGLE-REDUCED BORE, RPTFE SEATS, FNPT ENDS,**  
**PTFE V-RING PACKING, ACTUATOR MOUNTING PADS 600 WOG**

BRONZE BODY, CHROME PLATED BALL										
MODEL	20BBOR-02		20BBOR-02-LL		20BBOR-02-OH		20BBOR-02-LO		20BBOR-02-XH	
	CHROME PLATED BALL		W/ LOCKING HANDLE		W/ OVAL HANDLE		W/ LOCKING OVAL HANDLE		W/ STEM EXTENSION	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	<b>100</b>	45.24	<b>1100</b>	59.89	<b>1110</b>	73.35	<b>1120</b>	77.27	<b>1130</b>	83.65
3/8"	<b>101</b>	45.24	<b>1101</b>	59.89	<b>1111</b>	73.35	<b>1121</b>	77.27	<b>1131</b>	83.65
1/2"	<b>102</b>	45.24	<b>1102</b>	59.89	<b>1112</b>	73.35	<b>1122</b>	77.27	<b>1132</b>	83.65
3/4"	<b>103</b>	70.54	<b>1103</b>	92.89	<b>1113</b>	99.61	<b>1123</b>	103.29	<b>1133</b>	111.94
1"	<b>104</b>	83.20	<b>1104</b>	105.57	<b>1114</b>	112.28	<b>1124</b>	115.99	<b>1134</b>	124.60
1 1/4"	<b>105</b>	137.49	<b>1105</b>	163.68	<b>1115</b>	179.63			<b>1135</b>	182.45
1 1/2"	<b>106</b>	170.02	<b>1106</b>	196.20	<b>1116</b>	212.16			<b>1136</b>	214.98
2"	<b>107</b>	208.02	<b>1107</b>	234.18	<b>1117</b>	250.15			<b>1137</b>	252.96

BRONZE BODY, STAINLESS STEEL BALL										
MODEL	20BSOR-02		20BSOR-02-LL		20BSOR-02-OS		20BSOR-02-LO		20BSOR-02-XH	
	STAINLESS STEEL BALL & STEM		W/ LOCKING LOCK HANDLE		W/ STAINLESS STEEL OVAL HANDLE		W/LOCKING OVAL HANDLE		W/ STEM EXTENSION	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	<b>2100</b>	63.31	<b>3100</b>	77.96	<b>3230</b>	93.94	<b>3110</b>	95.33	<b>3120</b>	101.71
3/8"	<b>2101</b>	63.31	<b>3101</b>	77.96	<b>3231</b>	93.94	<b>3111</b>	95.33	<b>3121</b>	101.71
1/2"	<b>2102</b>	63.31	<b>3102</b>	77.96	<b>3232</b>	93.94	<b>3112</b>	95.33	<b>3122</b>	101.71
3/4"	<b>2103</b>	106.73	<b>3103</b>	129.07	<b>3233</b>	138.06	<b>3113</b>	139.49	<b>3123</b>	148.13
1"	<b>2104</b>	130.22	<b>3104</b>	152.58	<b>3234</b>	161.55	<b>3114</b>	162.98	<b>3124</b>	171.63
1 1/4"	<b>2105</b>	202.58	<b>3105</b>	228.79	<b>3235</b>	249.97			<b>3125</b>	247.55
1 1/2"	<b>2106</b>	267.72	<b>3106</b>	293.92	<b>3236</b>	315.11	<b>3116</b>	311.37	<b>3126</b>	312.70
2"	<b>2107</b>	376.27	<b>3107</b>	402.46	<b>3237</b>	423.66	<b>3117</b>	419.91	<b>3127</b>	421.20

**FOR ACCESSORIES & OPTIONS, PLEASE SEE PAGE 22**

**20 SERIES BALL VALVES - STAINLESS & CARBON**  
**2-PIECE, SINGLE-REDUCED BORE, NXT 75 SEATS, FNPT ENDS**  
**PTFE V-RING PACKING, ACTUATOR MOUNTING PADS**  
**2000 WOG-1/4" - 1" 1500 WOG- 1-1/4" - 2"**

<b>STAINLESS STEEL BODY(CF8M)</b>					
<b>MODEL</b>	<b>20SSOR-N1</b>	<b>20SSOR-N1-LL</b>	<b>20SSOR-N1-OH</b>	<b>20SSOR-N1-LO</b>	<b>20SSOR-N1-XH</b>
<b>SIZE</b>	SS BODY, SS BALL/STEM	W/ LOCKING HANDLE	W/ OVAL HANDLE	W/ LOCKING OVAL HANDLE	W/ STEM EXTENSION
1/4"	94.04	106.67	118.31	121.08	126.53
3/8"	94.04	106.67	118.31	121.08	126.53
1/2"	94.04	106.67	118.31	121.08	126.53
3/4"	150.86	170.14	175.94	178.54	185.85
1"	183.21	202.49	208.29	210.89	218.20
1 1/4"	351.76	374.37	388.13	393.61	389.73
1 1/2"	363.95	386.56	400.32	405.79	401.92
2"	473.89	496.49	510.26	515.73	511.86

<b>CARBON STEEL BODY (WCB)-CARBON BALL</b>					
<b>MODEL</b>	<b>20CCOR-N1</b>	<b>20CCOR-N1-LL</b>	<b>20CCOR-N1-OH</b>	<b>20CCOR-N1-LO</b>	<b>20CCOR-N1-XH</b>
<b>SIZE</b>	CS BODY, CS BALL	W/ LOCKING HANDLE	W/ OVAL HANDLE	W/ LOCKING OVAL HANDLE	W/ STEM EXTENSION
1/4"	65.95	78.58	90.22	92.99	98.43
3/8"	65.95	78.58	90.22	92.99	98.43
1/2"	68.38	81.01	92.65	95.42	100.87
3/4"	97.70	116.99	122.78	125.38	132.69
1"	127.03	146.32	152.11	154.71	162.02
1 1/4"	236.95	259.56	273.32		274.92
1 1/2"	295.56	318.16	331.93		333.53
2"	398.16	420.77	434.54		436.13

<b>CARBON STEEL BODY(WCB)-STAINLESS BALL</b>					
<b>MODEL</b>	<b>20CSOR-N1</b>	<b>20CSOR-N1-LL</b>	<b>20CSOR-N1-OH</b>	<b>20CSOR-N1-LO</b>	<b>20CSOR-N1-XH</b>
<b>SIZE</b>	CS BODY, SS BALL/STEM	W/ LOCKING HANDLE	W/ OVAL HANDLE	W/LOCKING OVAL HANDLE	W/ STEM EXTENSION
1/4"	65.95	78.58	90.22	92.99	98.43
3/8"	65.95	78.58	90.22	92.99	98.43
1/2"	68.38	81.01	92.65	95.42	100.87
3/4"	97.70	116.99	122.78	125.38	132.69
1"	127.03	146.32	152.11	154.71	162.02
1 1/4"	236.95	259.56	273.32	278.79	274.92
1 1/2"	295.56	318.16	331.93	337.40	333.53
2"	398.16	420.77	434.54	440.01	436.13

**FOR ACCESSORIES & OPTIONS, PLEASE SEE PAGE 22**

**22 SERIES BALL VALVES - STAINLESS & CARBON**  
**2-PIECE SEAL WELDED, SINGLE-REDUCED BORE, RPTFE SEATS, FNPT ENDS**  
**PTFE V-RING PACKING, ACTUATOR MOUNTING PADS**  
**2000 WOG-1/4" - 1" 1500 WOG- 1-1/4" - 2"**

CARBON STEEL BODY(WCB), SS BALL & STEM W/ SEAL WELDED TAILPIECE										
MODEL	22CSOR-02		22CSOR-02-LL		22CSOR-02-OH		22CSOR-02-LO		22CSOR-02-XH	
	STANDARD LEVER HANDLE		W/LOCKING HANDLE		W/ OVAL HANDLE		W /LOCKING OVAL HANDLE		W/ STEM EXTENSION	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	<b>10100</b>	101.81	<b>11100</b>	114.44	<b>11160</b>	126.08	<b>11090</b>	128.86	<b>CF</b>	134.30
3/8"	<b>10101</b>	101.81	<b>11101</b>	114.44	<b>11161</b>	126.08	<b>11091</b>	128.86	<b>CF</b>	134.30
1/2"	<b>10102</b>	101.81	<b>11102</b>	114.44	<b>11162</b>	126.08	<b>11092</b>	128.86	<b>CF</b>	134.30
3/4"	<b>10103</b>	150.44	<b>11103</b>	169.73	<b>11163</b>	175.53	<b>11093</b>	178.12	<b>CF</b>	185.43
1"	<b>10104</b>	201.39	<b>11104</b>	220.68	<b>11164</b>	226.47	<b>11094</b>	229.07	<b>CF</b>	236.38
1 1/4"	<b>10105</b>	305.97	<b>11105</b>	328.58	<b>11165</b>	342.34			<b>CF</b>	343.94
1 1/2"	<b>10106</b>	391.60	<b>11106</b>	414.21	<b>11166</b>	427.97			<b>CF</b>	429.57
2"	<b>10107</b>	509.64	<b>11107</b>	532.25	<b>11167</b>	546.01			<b>CF</b>	547.61

STAINLESS STEEL BODY(WCB), SS BALL & STEM W/ SEAL WELDED TAILPIECE										
MODEL	22SSOR-02		22SSOR-02-LL		22SSOR-02-OH		22SSOR-02-LO		22SSOR-02-XH	
	STANDARD LEVER HANDLE		W/ LOCKING HANDLE		W/ OVAL HANDLE		W/ LOCKING OVAL HANDLE		W/ STEM EXTENSION	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	<b>12100</b>	224.71	<b>13100</b>	237.34	<b>13150</b>	248.98	<b>12120</b>	251.75	<b>CF</b>	257.20
3/8"	<b>12101</b>	224.71	<b>13101</b>	237.34	<b>13151</b>	248.98	<b>12121</b>	251.75	<b>CF</b>	257.20
1/2"	<b>12102</b>	244.00	<b>13102</b>	256.63	<b>13152</b>	268.27	<b>12122</b>	271.04	<b>CF</b>	276.48
3/4"	<b>12103</b>	304.46	<b>13103</b>	323.75	<b>13153</b>	329.55	<b>12123</b>	332.14	<b>CF</b>	339.45
1"	<b>12104</b>	446.88	<b>13104</b>	466.16	<b>13154</b>	471.96	<b>12124</b>	474.56	<b>CF</b>	481.87
1 1/4"	<b>12105</b>	608.63	<b>13105</b>	631.24	<b>13155</b>	645.00			<b>CF</b>	646.60
1 1/2"	<b>12106</b>	792.49	<b>13106</b>	815.10	<b>13156</b>	828.87			<b>CF</b>	830.46
2"	<b>12107</b>	963.99	<b>13107</b>	986.60	<b>13157</b>	1,000.36	<b>12127</b>	1,005.84	<b>CF</b>	1,001.96

**FOR ACCESSORIES, PLEASE SEE PAGE 22**

**30 SERIES BALL VALVES - BRONZE BODY**  
**3-PIECE, FULL BORE, RPTFE SEATS, FNPT ENDS**  
**PTFE V-RING PACKING, ACTUATOR MOUNTING PADS**  
**600 WOG**

BRONZE BODY - CHROME PLATED BALL								
MODEL	30BBOF-02		30BBOF-02-LL		30BB1F-02		30BB1F-02-LL	
	NPT ENDS		NPT ENDS W/ LOCKING HANDLE		SOLDER ENDS		SOLDER ENDS W/ LOCKING HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	<b>30100</b>	100.15						
3/8"	<b>30101</b>	100.15			<b>30131</b>	100.15		
1/2"	<b>30102</b>	100.15	<b>31102</b>	114.80	<b>30132</b>	100.15	<b>30122</b>	114.80
3/4"	<b>30103</b>	122.93	<b>31103</b>	145.26	<b>30133</b>	122.93	<b>30123</b>	145.26
1"	<b>30104</b>	161.92	<b>31104</b>	184.26	<b>30134</b>	161.92	<b>30124</b>	184.26
1 1/4"	<b>30105</b>	232.35	<b>31105</b>	258.52	<b>30135</b>	232.35	<b>30125</b>	258.52
1 1/2"	<b>30106</b>	299.83	<b>31106</b>	326.01	<b>30136</b>	299.83	<b>30126</b>	326.01
2"	<b>30107</b>	552.45	<b>31107</b>	578.63	<b>30137</b>	552.45	<b>30127</b>	578.63

BRONZE BODY - STAINLESS STEEL BALL								
MODEL	30BSOF-02		30BSOF-02-LL		30BS1F-02		30BS1F-02-LL	
	NPT ENDS		NPT ENDS W LOCKING HANDLE		SOLDER ENDS		SOLDER ENDS W /LOCKING HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	<b>32100</b>	142.13						
3/8"	<b>32101</b>	142.13			<b>32501</b>	142.13		
1/2"	<b>32102</b>	142.13	<b>33102</b>	156.77	<b>32502</b>	142.13	<b>32532</b>	156.77
3/4"	<b>32103</b>	169.40	<b>33103</b>	191.75	<b>32503</b>	169.40	<b>32533</b>	191.75
1"	<b>32104</b>	246.76	<b>33104</b>	269.09	<b>32504</b>	246.76	<b>32534</b>	269.09
1 1/4"	<b>32105</b>	333.25	<b>33105</b>	359.44	<b>32505</b>	333.25	<b>32535</b>	359.44
1 1/2"	<b>32106</b>	426.52	<b>33106</b>	452.71	<b>32506</b>	426.52	<b>32536</b>	452.71
2"	<b>32107</b>	693.34	<b>33107</b>	719.55	<b>32507</b>	693.34	<b>32537</b>	719.55

**FOR ACCESSORIES & OPTIONS, PLEASE SEE PAGE 22**

**30 SERIES BALL VALVES - CARBON/STAINLESS BODY, REV A**  
**3-PIECE, FULL BORE, RPTFE SEATS, FNPT ENDS**  
**PTFE V-RING PACKING, ACTUATOR MOUNTING PADS**  
**1000 WOG**

STAINLESS STEEL BODY & BALL								
MODEL	30SSOF-02		30SSOF-02-LL		30SS1F-02		30SS1F-02-LL	
	NPT ENDS		NPT ENDS W/LOCKING HANDLE		SOCKET WELD ENDS		SOCKET WELD ENDS W/ LOCKING HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	38100A	268.73	39100A	281.36				
3/8"	38101A	268.73	39101A	281.36	39141A	268.73	39111A	281.36
1/2"	38102A	268.73	39102A	281.36	39142A	268.73	39112A	281.36
3/4"	38103A	388.54	39103A	407.82	39143A	388.54	39113A	407.82
1"	38104A	466.42	39104A	485.71	39144A	466.42	39114A	485.71
1 1/4"	38105A	537.44	39105A	560.05	39145A	537.44	39115A	560.05
1 1/2"	38106A	752.74	39106A	775.35	39146A	752.74	39116A	775.35
2"	38107A	979.41	39107A	1,002.02	39147A	979.41	39117A	1,002.02

CARBON STEEL BODY & CHROME PLATED BALL								
MODEL	30CCOF-02		30CCOF-02-LL		30CC1F-02		30CC1F-02-LL	
	NPT ENDS		NPT ENDS W/LOCKING HANDLE		SOCKET WELD ENDS		SOCKET WELD ENDS W/ LOCKING HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	34100A	149.74	35100A	162.37				
3/8"	34101A	149.74	35101A	162.37	35091A	149.74	35121A	162.37
1/2"	34102A	149.74	35102A	162.37	35092A	149.74	35122A	162.37
3/4"	34103A	200.34	35103A	219.63	35093A	200.34	35123A	219.63
1"	34104A	254.02	35104A	273.31	35094A	254.02	35124A	273.31
1 1/4"	34105A	390.85	35105A	413.45	35095A	390.85	35125A	413.45
1 1/2"	34106A	447.02	35106A	469.63	35096A	447.02	35126A	469.63
2"	34107A	576.48	35107A	599.09	35097A	576.48	35127A	599.09

CARBON STEEL BODY & STAINLESS STEEL BALL								
MODEL	30CSOF-02		30CSOF-02-LL		30CS1F-02		30CS1F-02-LL	
	NPT ENDS		NPT ENDS W/ LOCKING HANDLE		SOCKET WELD ENDS		SOCKET WELD ENDS W/ LOCKING HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	36100A	149.74	37100A	162.37				
3/8"	36101A	149.74	37101A	162.37	36501A	149.74	36521A	162.37
1/2"	36102A	149.74	37102A	162.37	36502A	149.74	36522A	162.37
3/4"	36103A	200.34	37103A	219.63	36503A	200.34	36523A	219.63
1"	36104A	254.02	37104A	273.31	36504A	254.02	36524A	273.31
1 1/4"	36105A	390.85	37105A	413.45	36505A	390.85	36525A	413.45
1 1/2"	36106A	447.02	37106A	469.63	36506A	447.02	36526A	469.63
2"	36107A	576.48	37107A	599.09	36507A	576.48	36527A	599.09

**FOR ACCESSORIES & OPTIONS, PLEASE SEE PAGE 22**

**20/22/30 SERIES OPTIONS & ACCESSORIES**  
**FOR BRONZE, STAINLESS & CARBON INDUSTRIAL BALL VALVES**  
**ADD TO LIST PRICE OF VALVE**

VALVE ACCESSORY LIST PRICE ADDERS FOR 20, 22 & 30 SERIES								20 Series	30 Series
SUFFIX	-LL	-LS	-OH	-LO	-SH	-XH	-OS	-LXH	-LXH
SIZE	SS LOCKING HANDLE	SS SPRING LOADED LOCKING HANDLE	OVAL HANDLE	STAINLESS SPRING LOADED LOCKING OVAL HANDLE	STAINLESS HANDLE	STEM EXTENSION	STAINLESS OVAL HANDLE	Locking Extension Handle (20 Series Only)	Locking Extension Handle (30 Series Only)
1/4"	12.63	27.04	24.27	27.04	9.46	32.48	29.36	216.49	N/A
3/8"	12.63	27.04	24.27	27.04	9.46	32.48	29.36	216.49	N/A
1/2"	12.63	27.04	24.27	27.04	9.46	32.48	29.36	216.49	231.96
3/4"	19.29	27.55	25.08	27.68	10.05	34.99	30.04	231.96	231.96
1"	19.29	27.55	25.08	27.68	10.05	34.99	30.04	231.96	231.96
1 1/4"	22.61	41.65	36.37	41.85	17.59	37.97	45.43	242.27	242.27
1 1/2"	22.61	41.65	36.37	41.85	17.59	37.97	45.43	242.27	242.27
2"	22.61	41.65	36.37	41.85	17.59	37.97	45.43	242.27	242.27

N/A = Not Available

INTERNAL & ASSEMBLY OPTION LIST PRICE ADDERS FOR 20, 22 & 30 SERIES								
	SEATING OPTIONS			GROUNDING OPTIONS		SPECIALTY OPTIONS		
SUFFIX	-01	-02	-03**	-GB	-GS	-AD	-VB*	-OC
SIZE	VIRGIN PTFE	REINFORCED PTFE	MULTI-FILL PTFE (STEAM SEAT)	GROUNDED BALL & STEM	GROUNDED STEM	DRY ASSEMBLY	BALL VENTING	OXYGEN CLEAN FOR 3-PC BRONZE & STAINLESS VALVES ONLY
1/4"	2.36	N/C	16.87	22.59	1.56	3.60	17.94	51.59
3/8"	2.36	N/C	16.87	22.59	1.56	3.60	17.94	51.59
1/2"	2.36	N/C	16.87	22.59	1.56	3.60	17.94	51.59
3/4"	2.36	N/C	19.84	22.93	1.66	4.79	20.33	56.01
1"	2.89	N/C	19.84	22.93	1.66	4.79	20.33	56.01
1 1/4"	2.89	N/C	25.47	23.31	1.79	5.96	32.26	62.77
1 1/2"	3.47	N/C	25.47	23.31	1.79	5.96	32.26	62.77
2"	3.47	N/C	25.47	23.31	1.79	5.96	32.26	62.77

\* Stainless Steel Ball Only

\*\* Not available on 30 BB series

**35 SERIES BALL VALVES - STAINLESS & CARBON**  
**3-PIECE, SINGLE REDUCED BORE, LIVE LOADED GRAFOIL PACKING**  
**NXT 75 SEATS, LOCKING HANDLE, ACTUATOR MOUNTING PADS**  
**API 607 6th EDITION TESTED, 2000 WOG**

CARBON STEEL BODY W/ SS TRIM			STAINLESS STEEL BODY & BALL	
MODEL	35RCS0N-LL	35RCS1N-LL	35RSS0N-LL	35RSS1N-LL
SIZE	CS BODY, SS BALL & STEM, LOCKING HANDLE NPT ENDS	CS BODY, SS BALL & STEM, LOCKING HANDLE SOCKET WELD ENDS	SS BODY, SS BALL & STEM LOCKING HANDLE NPT ENDS	SS BODY, SS BALL & STEM, LOCKING HANDLE, SOCKET WELD ENDS
1/4"	180.76	180.76	356.63	356.63
3/8"	180.76	180.76	356.63	356.63
1/2"	180.76	180.76	356.63	356.63
3/4"	224.70	224.70	490.97	490.97
1"	300.44	300.44	593.58	593.58
1 1/4"	383.51	383.51	732.79	732.79
1 1/2"	505.68	505.68	1,003.96	1,003.96
2"	657.10	657.10	1,321.49	1,321.49

**35 SERIES BALL VALVES-SS & CS**  
**3-PIECE, FULL-PORT, LIVE LOADED GRAFOIL PACKING**  
**NXT 75 SEATS, LOCKING HANDLE, ACTUATOR MOUNTING PADS**  
**API 607 6th EDITION TESTED, 2000 WOG**

CARBON STEEL BODY W/ SS TRIM			STAINLESS STEEL BODY & BALL	
MODEL	35FCS0N-LL	35FCS1N-LL	35FSS0N-LL	35FSS1N-LL
SIZE	CS BODY, SS BALL & STEM, LOCKING HANDLE NPT ENDS	CS BODY, SS BALL & STEM, LOCKING HANDLE SOCKET WELD ENDS	SS BODY, SS BALL & STEM LOCKING HANDLE NPT ENDS	SS BODY, SS BALL & STEM, LOCKING HANDLE, SOCKET WELD ENDS
1/2"	224.70	224.70	490.97	490.97
3/4"	300.44	300.44	593.58	593.58
1"	383.51	383.51	732.79	732.79
1 1/4"	505.68	505.68	1,003.96	1,003.96
1 1/2"	657.10	657.10	1,321.49	1,321.49
2"	874.44	874.44	1,869.94	1,869.94

**VALVE ACCESSORY & ASSEMBLY OPTIONS LIST PRICE ADDERS FOR 35 SERIES**

		SEAT OPTIONS			ASSEMBLY OPTIONS			
IDENTIFIER / SUFFIX		01	03	06	-AD	-VB	-OC	-LO
REDUCED PORT SIZE	FULL PORT SIZE	VIRGIN PTFE	MULTI-FILL PTFE	PEEK	DRY ASSEMBLED	VENTED BALL	OXYGEN CLEAN	LOCKING OVAL HANDLE
3/8" - 1/4"		11.21	35.88	107.63	6.73	22.43	89.69	23.54
1/2"		11.21	35.88	107.63	6.73	22.43	89.69	23.54
3/4"	1/2"	17.94	51.59	152.48	7.82	33.63	100.88	26.87
1"	3/4"	20.20	64.99	201.80	7.82	38.10	100.88	33.63
1 1/4"	1"	24.67	76.23	230.96	8.96	42.57	112.12	33.63
1 1/2"	1 1/4"	29.14	87.45	260.09	8.96	49.32	112.12	
2"	1 1/2"	38.10	118.81	352.01	11.21	56.05	112.12	
	2"	42.57	145.75	459.63	15.69	78.49	134.55	

**41 SERIES BALL VALVES - STAINLESS & CARBON**  
**2-PIECE SEAL WELDED, EXTENDED ENDS, FULL BORE,**  
**RPTFE SEATS, GRAPHITE PACKING, ACTUATOR MOUNTING PADS**  
**API 607 4TH EDITION FIRE TESTED, LATCH LOCK HANDLE**

STAINLESS STEEL BODY-CF8M					CARBON STEEL BODY-WCB			
MODEL	41SSOF-02-LL		41SS1F-02-LL		41CSOF-02-LL		41CS1F-02-LL	
	SS BODY, FULL PORT, LOCKING HANDLE THREADED		SS BODY, FULL PORT, LOCKING HANDLE, SOCKET WELD		CS BODY, FULL PORT, LOCKING HANDLE THREADED		CS BODY, FULL PORT, LOCKING HANDLE, SOCKET WELD	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/4"	80130	401.58	80380	401.58	80120	243.80	80230	243.80
3/8"	80131	401.58	80381	401.58	80121	243.80	80231	243.80
1/2"	80132	479.05	80382	479.05	80122	278.23	80232	278.23
3/4"	80133	760.30	80383	760.19	80123	372.91	80233	372.91
1"	80134	1,012.57	80384	1,012.57	80124	559.37	80234	559.37
1 1/2"	80136	1,746.90	80386	1,746.90	80126	923.64	80236	923.64
2"	80137	2,773.81	80387	2,773.81	80127	1,812.88	80237	1,812.88

VALVE ACCESSORY LIST PRICE ADDERS FOR 41 SERIES							
SUFFIX		-LL	-LS	-OS	-OH	-OL	-SR*
	STANDARD LEVER HANDLE	STAINLESS LOCKING HANDLE	STAINLESS SPRING LOADED LOCKING HANDLE	STAINLESS OVAL HANDLE	OVAL HANDLE	SPRING LOADED OVAL LOCKING HANDLE	SPRING RETURN HANDLE*
SIZE							
1/2"	5.39	12.56	23.09	27.69		28.96	POA
3/4"	6.73	19.14	25.75	28.37	26.30	29.67	POA
1"	6.73	19.14	25.75	28.37	26.30		POA
1 1/2"	39.09	42.24	46.84				
2"	39.09	42.24	46.84				

INTERNAL & ASSEMBLY OPTION LIST PRICE ADDERS FOR 41 SERIES							
IDENTIFIER	-01	-03	-07	-06	-GB	-AD	-VB
	VIRGIN PTFE	250# STEAM SEAT	DELFIN	PEEK	GROUNDING BALL & STEM	DRY ASSEMBLY	BALL VENTING
SIZE							
1/2"	5.39	24.26	35.04	POA	25.52	5.39	20.23
3/4"	5.39	24.26	35.04	POA	25.52	5.39	22.92
1"	6.73	48.52	64.69	POA	25.52	5.39	22.92
1 1/2"	6.73	78.18	97.04	POA	25.52	6.73	36.41
2"	26.95	132.11	159.03	POA	25.52	6.73	36.41

\*THIS ITEM AVAILABLE AS A FACTORY INSTALLED OPTION ONLY



**54 SERIES BALL VALVES - CARBON STEEL**  
**1-PIECE, DOUBLE-REDUCED BORE, RPTFE SEATS,**  
**FNPT ENDS, PTFE PACKING**  
**2000 WOG-1/2" - 1" 1500 WOG- 1-1/4" - 2"**

CARBON STEEL BODY(WCB) - CARBON BALL								
MODEL	54CCOD-02		54CCOD-02-LL		54CCOD-02-OH		54CCOD-02-TH	
	STEEL BODY (WCB), CARBON BALL, LEVER HANDLE		STEEL BODY (WCB), CARBON BALL, LOCKING HANDLE		STEEL BODY (WCB), CARBON BALL, OVAL HANDLE		STEEL BODY (WCB), CARBON BALL, "T" HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/2"	94102	50.31	CF	72.25	94112	69.85	CF	60.70
3/4"	94103	57.88	CF	79.81	94113	77.41	CF	68.27
1"	94104	77.99	CF	103.61	94114	101.81	CF	88.98
1 1/4"	94105	117.99	CF	143.61	94115	141.81	CF	128.98
1 1/2"	94106	162.91	CF	216.61	94116	202.57		
2"	94107	210.08	CF	263.78	94117	249.74		

CARBON STEEL BODY (WCB) - STAINLESS BALL & STEM								
MODEL	54CSOD-02		54CSOD-02-LL		54CSOD-02-OH		54CSOD-02-TH	
	STEEL BODY (WCB), STAINLESS BALL, LEVER HANDLE		STEEL BODY (WCB), STAINLESS BALL, LOCKING HANDLE		STEEL BODY (WCB), STAINLESS BALL, OVAL HANDLE		STEEL BODY (WCB), STAINLESS BALL, "T" HANDLE	
SIZE	PART #	LIST	PART #	LIST	PART #	LIST	PART #	LIST
1/2"	95102	64.92	CF	86.86	CF	84.45	CF	75.31
3/4"	95103	85.56	CF	107.49	CF	105.09	CF	95.95
1"	95104	103.13	CF	128.75	CF	126.96	CF	114.12
1 1/4"	95105	150.96	CF	176.58	CF	174.78	CF	161.95
1 1/2"	95106	206.81	CF	260.52	CF	246.47		
2"	95107	256.12	CF	309.82	CF	295.78		

VALVE ACCESSORY LIST PRICE ADDERS FOR 54 SERIES				
SUFFIX	-LL	-OH	-TH	-
SIZE	LOCKING HANDLE	OVAL HANDLE	"T" HANDLE	CS HANDLE (STD)
1/2"	21.94	19.54	10.39	6.56
3/4"	21.94	19.54	10.39	6.56
1"	25.62	23.82	10.99	9.54
1 1/4"	25.62	23.82	10.99	9.54
1 1/2"	53.70	39.66		20.33
2"	53.70	39.66		20.33

**F20 SERIES FLANGED BALL VALVES**  
**2-PIECE BODY, FULL BORE , NXT 75 SEATS,**  
**LIVE LOADED GRAPHITE PACKING, ISO 5211 MOUNTING PADS,**  
**API 607 FIRESAFE 6th Edition**

CARBON STEEL BODY(WCB), SS BALL & STEM			STAINLESS STEEL BODY(CF8M), SS BALL & STEM	
	CLASS 150	CLASS 300	CLASS 150	CLASS 300
MODEL	F201CSN2	F203CSN2	F201SSN2	F203SSN2
SIZE	CARBON STEEL BODY W/ STAINLESS STEEL BALL & STEM - LEVER HANDLE	CARBON STEEL BODY W/ STAINLESS STEEL BALL & STEM -LEVER HANDLE	STAINLESS STEEL BODY, BALL & STEM - LEVER HANDLE	STAINLESS STEEL BODY, BALL & STEM - LEVER HANDLE
1/2"	- PLEASE REFER TO F91 SERIES ON PAGE 25 -		- PLEASE REFER TO F91 SERIES ON PAGE 25 -	
3/4"				
1"	647.34	908.70	806.11	1,404.61
1-1/2"	908.70	969.77	1,045.51	2,809.14
2"	1,148.09	1,651.30	1,521.86	3,256.20
2-1/2"	1,416.79	2,278.35	2,335.27	4,014.43
3"	2,149.63	3,138.93	3,007.04	4,900.18
4"	3,036.35	4,074.51	4,306.66	6,654.06
6"	7,425.97	10,137.47	10,750.55	12,394.55
MODEL	F201CSN3		F201SSN3	
	CARBON STEEL BODY W/ STAINLESS STEEL BALL & STEM - GEAR OPERATED		STAINLESS STEEL BODY, BALL & STEM - GEAR OPERATED	
8" W/GEAR	16,427.56		21,923.76	
10" W/GEAR	27,165.90		30,155.85	
12" W/GEAR	36,902.71		54,028.91	

VALVE ACCESSORY LIST PRICE ADDERS FOR F20 SERIES					
IDENTIFIER	3	-VB	-OC	-CC	-01 / -03 / -06
SIZE	INSTALLED GEAR OPERATOR	VENTED BALL - UPSTREAM	OXYGEN CLEANING	CHLORINE CLEANING	OPTIONAL SEAT MATERIALS
1" - 2"	735.21	36.67	POA	POA	POA
2 1/2"	854.30	48.11	POA	POA	POA
3"	854.30	59.55	POA	POA	POA
4"	1,032.97	107.65	POA	POA	POA
6"	1,032.97	119.10	POA	POA	POA

**F90 SERIES FLANGED (NON FIRE-SAFE)  
UNI-BODY, SINGLE REDUCED BORE, NXT 75 SEATS,  
PTFE V-RING PACKING, ACTUATOR MOUNTING PAD, LOCKING HANDLE**

**F90 SERIES FLANGED (NON FIRESAFE)**

MODEL	CLASS 150	CLASS 300	CLASS 150	CLASS 300
	F90CS150RN1	F90CS300RN1	F90SS150RN1	F90SS300RN1
SIZE	CARBON BODY STAINLESS, BALL & STEM	CARBON BODY, STAINLESS BALL & STEM	STAINLESS BODY, STAINLESS BALL & STEM	STAINLESS BODY, STAINLESS BALL & STEM
1/2"	301.91	473.01	412.62	822.75
3/4"	407.61	618.94	440.33	996.36
1"	485.59	649.13	616.42	1,169.96
1 1/2"	852.93	1,177.47	1,217.74	1,934.85
2"	971.19	1,295.76	1,524.72	2,138.62
3"	1,768.75	2,646.89	2,402.80	3,660.82
4"	2,941.25	3,942.64	3,512.38	5,560.45
6"	5,590.66	7,648.78	7,029.81	10,247.82

**F91 SERIES FLANGED (FIRE-SAFE)**

**UNI-BODY, SINGLE REDUCED BORE, NXT 75 SEATS, GRAPHITE PACKING  
ACTUATOR MOUNTING PAD, LOCKING HANDLE, API 607 4TH EDITION THROUGH 6"**

**F91 SERIES FLANGED (FIRESAFE)**

MODEL	CLASS 150	CLASS 300	CLASS 150	CLASS 300
	F91CS150RN1	F91CS300RN1	F91SS150RN1	F91SS300RN1
SIZE	CARBON BODY STAINLESS TRIM	CARBON BODY STAINLESS TRIM	STAINLESS BODY STAINLESS TRIM	STAINLESS BODY STAINLESS TRIM
1/2"	334.65	525.86	455.40	913.34
3/4"	452.90	686.89	493.13	1,112.10
1"	538.42	719.62	686.89	1,308.33
1 1/2"	948.54	1,308.33	1,361.21	2,158.77
2"	1,079.36	1,439.15	1,698.33	2,387.71
3"	1,962.49	2,941.25	2,679.58	4,086.04
4"	3,268.33	4,380.43	3,920.00	6,204.57
6"	6,209.58	8,496.67	7,847.56	11,440.43

**FOR ACCESSORIES, PLEASE SEE PAGE 28**

**CONSULT FACTORY FOR ADDITIONAL BODY AND TRIM MATERIALS**

## F90/91 SERIES OPTIONS & ACCESSORIES

<b>EXTERNAL ACCESSORY LIST PRICE ADDERS FOR F90/91 SERIES</b>				
<b>SUFFIX</b>	<b>-GO</b>	<b>-OH</b>	<b>-XH</b>	<b>-</b>
<b>SIZE</b>	INSTALLED GEAR OPERATOR	OVAL HANDLE	STEM EXTENSION	STD HANDLE
1/2"	733.68	76.12	47.95	11.22
3/4"	733.68	76.12	47.95	11.22
1"	733.68	76.12	47.95	11.22
1 1/2"	733.68	103.19	54.25	18.27
2"	733.68	103.19	54.25	18.27
3"	795.02		101.60	25.95
4"	976.64		143.90	30.65
6"	976.64		183.42	40.70

<b>INTERNAL &amp; ASSEMBLY OPTION LIST PRICE ADDERS FOR F90/91 SERIES</b>									
<b>SEATING OPTIONS</b>				<b>GROUNDING OPTIONS</b>		<b>DRY ASSEMBLY</b>	<b>BALL VENTING</b>	<b>OXYGEN CLEANING</b>	<b>CHLORINE CLEANING</b>
<b>SUFFIX</b>	<b>-01</b>	<b>-03</b>	<b>-06</b>	<b>-GB</b>	<b>-GS</b>	<b>-AD</b>	<b>-VB</b>	<b>-OC</b>	<b>-CC</b>
<b>SIZE</b>	VIRGIN PTFE	MULTI-FILL PTFE 250# STEAM	PEEK	GROUNDING BALL & STEM	GROUNDING STEM	DRY ASSEMBLY	SS BALL VENTING	STAINLESS ONLY	STAINLESS ONLY
1/2"	2.51	17.27	POA	23.24	STD	4.95	16.71	POA	POA
3/4"	2.51	17.27	POA	23.24	STD	4.95	16.71	POA	POA
1"	2.39	17.27	POA	23.24	STD	4.95	16.71	POA	POA
1 1/2"	3.47	20.67	POA	23.24	STD	6.52	28.88	POA	POA
2"	3.47	25.93	POA	23.24	STD	6.52	28.88	POA	POA
3"	4.71	30.70	POA	23.24	STD	12.30	71.60	POA	POA
4"	4.71	30.70	POA	23.24	STD	12.30	71.60	POA	POA
6"	9.52	51.37	POA	23.24	STD	19.58	71.60	POA	POA