

MADE IN THE USA

"Apollo" Valves
Manufactured by Conbraco Industries, Inc.



BALL VALVE PRICE LIST

BVPL9000 : EFFECTIVE MAY 5, 2008

Ball Valves

We reserve the right to adjust box quantities.

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Apollo® Numbering System

PLEASE USE ALL DIGITS WHEN ORDERING.

(Catalog number plus design number) AVAILABILITY ON REQUEST

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MATERIALS OR STYLE	TYPE	VARIATIONS	SIZE
70 BRONZE	Apollo 8 Saturn Valves	3 CU-NI BALL & STEM	1 1/4"
71 BRONZE WITH PADS	1 NPT Female	4 SS BALL & STEM	2 3/8"
72 CARBON STEEL, HI PRESSURE	2 Solder/Socket Weld	5 ORIGINAL BALANCING STOP-	3 1/2"
73 CARBON STEEL	3 Union End NPT	ATTACH TO LEVER OR T-HANDLE	4 3/4"
73A A105 Carbon Steel	4 Union End/Solder Socket Weld	8 (NOT ASSIGNED)	5 1"
74 NICKEL	5 Spring Return	9 PINNED RETAINER	6 1-1/4"
75 PAD-LOCKING BRONZE	6 3-Way NPT		7 1-1/2"
76 CF8M STAINLESS STEEL	7 Full Port Refrigeration Valves		8 2"
76F CF8M STAINLESS STEEL, FULL PORT	8 Male X Female NPT		9 2-1/2"
77 BRONZE FULL PORT	9 3-Way Solder/O-Ring Boss		0 3"
77C BRONZE FULL PORT ECONOMY			A 4"
78 SPECIAL VALVES			C 6"
79 REFRIGERANT VALVES	Apollo 3 Piece Valves:		E 8"
7A CHLORINE CARBON STEEL	1 NPT Female		G 10"
7K BRONZE FULL PORT DRAIN	2 Solder/Socket Weld		H 12"
80 BRONZE, UL LISTED	3 Sch. 5 Buttweld 83 & 86 Series		
81 BRONZE, UL LISTED PLAIN BALL	4 Sch. 10 Buttweld 83 & 86 Series		
82 BRONZE 3-PIECE FULL PORT	5 Sch. 40 Buttweld 83 & 86 Series		
83A CS 3-PIECE 1500 LB FULL PORT	6 Sch. 80 Buttweld 83 & 86 Series		
83B CS 3-PIECE 600 CLASS FULL PORT	8 (Not Assigned)		
86A SS 3-PIECE, 1500 LB FULL PORT			
86B SS 3-PIECE, 600 CLASS FULL PORT	Flanged Valves		
87A CF8M SS FLANGED	1 Class 150 Standard Port		
87B CF8M SS FLANGED UNIBODY	2 Class 150 Full Port		
87A-400 ALLOY 20 FLANGED	3 (AAR Valves)		
88A CARBON STEEL FLANGED	4 Class 150 Standard Port Alloy 20 (87A)		
88B CARBON STEEL FLANGED UNIBODY	5 Class 150 Full Port Alloy 20 (87A)		
89 CAST CARBON STEEL W/PADS	6 Class 300 Full Port Alloy 20		
9A BRONZE, HVY. PATT., UNIBODY	7 Class 300 Standard Port		
90 BRONZE, UNIBODY UL LISTED	8 Class 300 Standard Port Alloy 20		
91 BRONZE, UNIBODY	9 Class 300 Full Port		
92 CAST CARBON STEEL UNIBODY			
93 CS UNIBODY			
95 BRONZE STOP & DRAIN			
96 CF8M SS UNIBODY			
399 ALLOY-20 NPT			

NOTE: Not all options and combinations available on all sizes and series. Consult with a Conbraco representative.

DESIGN	
-01 STANDARD	-47 SS OVAL LATCH LOCK HANDLE, SS NUT
-02 STEM GROUNDED	-48 SS OVAL HANDLE, NO LATCH, SS NUT
-03 1-1/4" CARBON STEEL EXT. STEM	-49 ASSEMBLED DRY
-04 2-1/4" CARBON STEEL EXT. STEM	-50 2-1/4" CS LOCKING STEM EXTENSION
-05 PLAIN BALL	-51 ONE TACK WELD
-07 STEEL TEE HANDLE	-52 TWO TACK WELD
-08 90° REVERSED STEM	-53 THREE TACK WELD
-09 SS LEVER	-54 FOUR TACK WELD
-10 SS LEVER & NUT	-56 MULTIFILL SEATS AND PACKING
-12 STAMP "157 SWP" & BAGGED	-57 OXYGEN CLEANED (BRONZE & SS ONLY)
-13 STAMP "157 SWP"	-58 CHAIN LEVER, HORIZONTAL
-14 SIDE VENTED BALL (UNI-DIRECTIONAL)	-59 SS EXTERNAL TRIM - 3-PC VALVES
-15 WHEEL HANDLE, STEEL	-60 GROUNDED BALL & STEM
-16 CHAIN LEVER, VERTICAL	-62 BODY CENTER SECTION
-17 ROUGH CHROME PLATE - BRONZE VALVES	-63 NPT X SOLDER/SOCKET WELD
-18 PLAIN YELLOW GRIP	-64 250 LB. STEAM TRIM
-19 WITH LOCK PLATE	-65 MULTIFILL SEATS AND GRAPHITE PACKING
-20 SLOT VENTED BALL (BI-DIRECTIONAL) - BRONZE VALVES	-66 FNPT X BUTT WELD
-21 UHMWPE TRIM (NON-PTFE)	-67 CLEANED FOR INDUSTRIAL GASES
-22 VITON UNION SEALS	-68 4" STEM EXTENSION (3" & 4" 3-PC. 82 SERIES)
-23 TANK FLANGE (2" 3-PC. VALVES ONLY)	-69 PURGE PORTS DRILLED/TAPPED @ BOTTOM & APPROX 45° FROM TOP
-24 GRAPHITE PACKING	-70 4" EXTENDED BONNET
-26 CHEVRON PKG., VENT ASSD. DRY MONEL TRIM (7A)	-72 RTFE PACKING
-27 SS LATCH LOCK LEVER & NUT	-73 TFE PACKING - SPIRAL WOUND BODY SEALS - TFE FILLERS - FLANGE BV
-29 GRAPHITE PACKING & SEALS	-74 GRAPHITE PACKING - SPIRAL WOUND BODY SEALS - GRAPHOIL FILLERS - FLANGE BV
-30 CAM-LOCK AND GROUNDED STEM	-75 MPTFE SEATS, PTFE PACKING, RPTFE GASKETS
-31 7B SERIES W/BOSS NOT DRILLED/TAPPED	-76 LIVE LOADED 87A/88A SERIES (LEVER)
-32 SS HI-RISE TEE HANDLE & NUT	-77 LIVE LOADED 87A/88A SERIES (GEAR & ACTUATED)
-33 76-300 SERIES W/PAD DRILLED/TAPPED	-78 DELRIN SEATS
-35 VTFF TRIM	-79 NYLON SEATS/GRAPHITE PACKING 72 SERIES
-36 SS HI-RISE ROUND HANDLE, SS NUT	-80 MULTI-SEAL (SUPER TFE) 87A/88A SERIES
-38 PEEK SEATS & BEARING (GRAPHITE PACKING & SEALS)	-90 EXTENDED BONNET WITH DOUBLE PACKING
-39 SS HI-RISE LOCKING WHEEL HANDLE, SS NUT	-93 1-1/4" STEM EXTENSION & MEMORY STOP
-40 CYL-LOC AND GROUNDED STEM	-94 2-1/4" STEM EXTENSION & MEMORY STOP
-41 AUTO. DRAIN (BRONZE VALVES ONLY)	-97 GRND. WHL. HANDLE, PINNED OR TACK WELDED
-42 NON-VENTED BALL, NO HOLE IN SLOT (CS AND SS)	-98 GRND. WHL. PINNED OR TACK WELDED & 1-1/4" STEM EXT.
-44 SEAL WELD 76-100 ONLY	-MG GEAR OPERATED, STD. HAND WHEEL
-45 LESS LEVER & NUT	-MH GEAR OPERATED, STD. HAND WHEEL, LOCKOUT DEVICE
-46 SS LATCH LOCK LEVER, LOCK IN CLOSED POSITION ONLY	-MJ GEAR OPERATED, OVERSIZE HAND WHEEL
	-MK GEAR OPERATED, OVERSIZE HAND WHEEL, LOCKOUT DEVICE
	-P01 BSPP (PARALLEL) THREAD CONNECTION
	-BC BALL CHECK
	-T01 BSPT (TAPERED) THREAD CONNECTION

Ball Valves

BOLD valves sold in box quantities only.

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32 Bronze Regular Port General Purpose Valves

Part No.	Size (In.)
32-100 Series	1/4 - 2 Threaded
32-200 Series	1/2 - 2 Solder

Refer to Commercial Price List (CPPL9000) for price and weights

70 Bronze Valves

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
70-101-01	1/4	60	12.69	10
70-102-01	3/8	56	12.69	10
70-103-01	1/2	63	12.69	10
70-104-01	3/4	139	20.94	10
70-105-01	1	172	26.37	10
70-106-01	1-1/4	326	44.24	5
70-107-01	1-1/2	461	56.48	5
70-108-01	2	606	70.78	2
70-109-01A	2-1/2	1725	333.95	1
70-100-01	3	1860	385.31	1
70-10A-01	4	2550	509.11	1

Threaded Ends with SS Latch Lock Lever

70-101-27	1/4	60	16.12	10
70-102-27	3/8	56	16.12	10
70-103-27	1/2	63	16.12	10
70-104-27	3/4	139	24.38	10
70-105-27	1	172	29.79	10
70-106-27	1-1/4	326	47.67	5
70-107-27	1-1/2	461	59.92	5
70-108-27	2	606	74.21	2
70-109-27A	2-1/2	1725	344.15	1
70-100-27	3	1860	395.49	1

Threaded Ends with Automatic Drain

70-101-41	1/4	60	14.54	10
70-102-41	3/8	56	14.54	10
70-103-41	1/2	63	14.54	10
70-104-41	3/4	139	22.77	10
70-105-41	1	172	30.04	10
70-106-41	1-1/4	326	49.81	5
70-107-41	1-1/2	461	62.04	5
70-108-41	2	606	76.31	2
70-109-41A	2-1/2	1396	367.70	1
70-100-41	3	1845	417.43	1

Threaded Ends with (-27) Latch Lock & (-41) Automatic Drain

70-101-27-41	1/4	60	17.99	10
70-102-27-41	3/8	64	17.99	10
70-103-27-41	1/2	63	17.99	10
70-104-27-41	3/4	140	26.26	10
70-105-27-41	1	173	33.48	10
70-106-27-41	1-1/4	326	53.24	5
70-107-27-41	1-1/2	461	65.50	5
70-108-27-41	2	606	79.77	2
70-109-27-41A	2-1/2	1725	377.85	1
70-100-27-41	3	1870	427.59	1

70 Bronze Valves

Threaded Ends with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
70-141-01	1/4	59	19.04	10
70-142-01	3/8	55	19.04	10
70-143-01	1/2	62	19.04	10
70-144-01	3/4	137	35.25	10
70-145-01	1	171	42.68	10
70-146-01	1-1/4	320	70.83	5
70-147-01	1-1/2	453	95.33	5
70-148-01	2	588	125.99	2
70-149-01A	2-1/2	1703	501.18	1
70-140-01	3	1825	579.66	1
70-14A-01	4	2550	763.64	1

Solder Ends

70-202-01	3/8	63	12.69	10
70-203-01	1/2	71	12.69	10
70-204-01	3/4	144	20.94	10
70-205-01	1	191	26.37	10
70-206-01	1-1/4	295	44.24	5
70-207-01	1-1/2	399	56.48	5
70-208-01	2	571	70.78	2
70-209-01A	2-1/2	1553	333.95	1
70-200-01	3	1674	385.31	1
70-20A-01	4	2480	509.11	1

Solder Ends with 316 SS Ball & Stem

70-242-01	3/8	54	19.04	10
70-243-01	1/2	70	19.04	10
70-244-01	3/4	134	35.25	10
70-245-01	1	175	42.68	10
70-246-01	1-1/4	312	70.83	5
70-247-01	1-1/2	391	95.33	5
70-248-01	2	563	125.99	2
70-249-01A	2-1/2	1725	501.18	1
70-240-01	3	1674	579.66	1

Single Union End : Threaded Ends

70-301-01	1/4	86	18.05	10
70-302-01	3/8	84	18.05	10
70-303-01	1/2	99	19.19	10
70-304-01	3/4	191	32.59	10
70-305-01	1	242	44.02	10
70-306-01	1-1/4	427	74.82	5
70-307-01	1-1/2	582	93.65	5
70-308-01	2	855	146.19	2

Apollo Valves

BOLD valves sold in box quantities only.

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70 Bronze Valves [cont'd]

Single Union End : Solder Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
70-402-01	3/8	85	18.05	10
70-403-01	1/2	102	19.19	10
70-404-01	3/4	193	32.59	10
70-405-01	1	242	44.02	10
70-406-01	1-1/4	411	74.82	5
70-407-01	1-1/2	544	93.65	5
70-408-01	2	777	146.19	2

3-Way Threaded Ends

70-601-01	1/4	91	23.02	6
70-602-01	3/8	88	23.02	6
70-603-01	1/2	76	23.02	6
70-604-01	3/4	165	31.76	6
70-605-01	1	215	42.08	6
70-606-01	1-1/4	385	66.52	5
70-607-01	1-1/2	522	77.65	5
70-608-01	2	620	111.78	2

3-Way : Threaded Ends with 316 SS Ball and Stem

70-641-01	1/4	91	29.38	6
70-642-01	3/8	88	29.38	6
70-643-01	1/2	76	29.38	6
70-644-01	3/4	165	46.07	6
70-645-01	1	215	58.40	6
70-646-01	1-1/4	385	100.36	5
70-647-01	1-1/2	522	116.51	5
70-648-01	2	620	167.01	2

Male x Female Threaded Ends

70-801-01	1/4	63	15.16	10
70-802-01	3/8	60	15.16	10
70-803-01	1/2	72	15.16	10
70-804-01	3/4	142	24.19	10
70-805-01	1	193	34.53	10
70-806-01	1-1/4	319	55.31	5
70-807-01	1-1/2	460	67.63	5

3-Way Solder Ends

70-903-01	1/2	76	23.79	6
70-904-01	3/4	165	32.81	6
70-905-01	1	215	42.38	6

71 Bronze Valves : Mounting Pads

Threaded Ends

See 77-100 Series for pricing of 1/4", 3/8", 1/2" and 2-1/2" valves

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
71-104-01	3/4	163	27.74	10
71-105-01	1	186	34.51	10
71-106-01	1-1/4	339	53.30	5
71-107-01	1-1/2	468	64.96	5
71-108-01	2	572	83.52	2
71-100-01	3	1860	414.84	1

71 Bronze Valves : Mounting Pads [cont'd]

316 SS Ball and Stem

See 77-140 Series for pricing of 1/4", 3/8", 1/2" and 2-1/2" valves

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
71-144-01	3/4	161	42.06	10
71-145-01	1	182	50.88	10
71-146-01	1-1/4	336	79.85	5
71-147-01	1-1/2	460	103.82	5
71-148-01	2	564	144.92	2
71-140-01	3	1965	609.19	1

Spring Return Handle

71-501-01	1/4	147	88.69	10
71-502-01	3/8	145	88.69	10
71-503-01	1/2	135	88.69	10
71-504-01	3/4	233	99.34	5
71-505-01	1	259	106.08	5
71-506-01	1-1/4	418	137.15	4
71-507-01	1-1/2	531	163.16	2
71-508-01	2	641	191.95	2

72 Carbon Steel Valves : Threaded

High Pressure : Full Port [Except 2"]

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
72-103-01	1/2	198	52.91	6
72-104-01	3/4	309	65.74	4
72-105-01	1	487	99.13	4
72-106-01	1-1/4	767	151.52	2
72-107-01	1-1/2	1050	191.11	2
72-108-01	2	1526	235.35	1

High Pressure : Full Port [Except 2"] with 316 Ball and Stem

72-143-01	1/2	198	65.29	6
72-144-01	3/4	309	83.41	4
72-145-01	1	487	118.26	4
72-146-01	1-1/4	767	171.01	2
72-147-01	1-1/2	1050	216.48	2
72-148-01	2	1526	271.45	1

SAE Straight Thread

72-901-01	1/4	209	56.72	6
72-902-01	3/8	206	56.72	6
72-903-01	1/2	256	56.72	6
72-904-01	3/4	307	71.74	4
72-905-01	1	491	105.32	4
72-906-01	1-1/4	773	161.75	2
72-907-01	1-1/2	1021	210.12	2
72-908-01	2	1488	256.94	1

Ball Valves

BOLD valves sold in box quantities only.

73A A105 Carbon Steel Valves

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
73A-101-01A	1/4	61	22.07	10
73A-102-01A	3/8	63	22.07	10
73A-103-01A	1/2	75	23.97	10
73A-104-01A	3/4	158	34.63	10
73A-105-01A	1	209	46.59	10
73A-106-01	1-1/4	374	79.61	5
73A-107-01	1-1/2	530	100.85	5
73A-108-01	2	803	138.88	2

Threaded Ends with 316 SS Ball and Stem NACE MR01-75

73A-141-01A	1/4	61	32.69	10
73A-142-01A	3/8	63	32.69	10
73A-143-01A	1/2	75	34.58	10
73A-144-01A	3/4	158	54.14	10
73A-145-01A	1	209	66.06	10
73A-146-01	1-1/4	374	102.65	5
73A-147-01	1-1/2	530	130.97	5
73A-148-01	2	803	171.62	2

73 Carbon Steel Valves : Double Union

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
73-301-01	1/4	351	99.26	6
73-302-01	3/8	345	99.26	6
73-303-01	1/2	335	99.26	6
73-304-01	3/4	448	132.72	4
73-305-01	1	704	168.12	4
73-306-01	1-1/4	996	244.18	2
73-307-01	1-1/2	1483	322.06	2
73-308-01	2	2050	362.73	1

Threaded Ends with 316 SS Ball and Stem

73-341-01	1/4	351	106.33	6
73-342-01	3/8	345	106.33	6
73-343-01	1/2	335	106.33	6
73-344-01	3/4	448	150.39	4
73-345-01	1	704	187.56	4
73-346-01	1-1/4	996	263.66	2
73-347-01	1-1/2	1483	346.82	2
73-348-01	2	2050	398.15	1

Socket Weld Ends

73-403-01	1/2	335	99.26	6
73-404-01	3/4	448	132.72	4
73-405-01	1	704	168.12	4
73-406-01	1-1/4	996	244.18	2
73-407-01	1-1/2	1483	322.06	2
73-408-01	2	2050	362.73	1

We reserve the right to adjust box quantities.

74 Nickel Valves

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
74-103-01A	1/2	58	POA	10
74-104-01A	3/4	118	POA	10
74-105-01A	1	157	POA	10
74-107-01	1-1/2	411	POA	5
74-108-01	2	602	POA	2

75 Bronze Valves : Pad Locking Type

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
75-101-01	1/4	80	25.81	10
75-102-01	3/8	77	25.81	10
75-103-01	1/2	70	25.81	10
75-104-01	3/4	203	40.93	10
75-105-01	1	183	40.93	10
75-106-01	1-1/4	348	62.84	5
75-107-01	1-1/2	423	76.00	5
75-108-01	2	569	90.30	2

Threaded Ends with Automatic Drain

75-101-41	1/4	80	27.68	10
75-102-41	3/8	77	27.68	10
75-103-41	1/2	70	27.68	10
75-104-41	3/4	203	42.77	10
75-105-41	1	183	44.63	10
75-106-41	1-1/4	348	68.42	5
75-107-41	1-1/2	423	81.56	5
75-108-41	2	569	95.88	2

76 CF8M Stainless Steel Valves

Threaded Ends with Mounting Pad Drilled and Tapped

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
76-101-01A	1/4	58	50.21	10
76-102-01A	3/8	54	50.21	10
76-103-01A	1/2	63	50.21	10
76-104-01A	3/4	127	83.21	10
76-105-01A	1	163	101.37	10
76-106-01	1-1/4	306	193.05	5
76-107-01	1-1/2	404	201.73	5
76-108-01	2	605	261.88	2
76-109-01	2-1/2	1557	891.64	1
76-100-01	3	1679	969.40	1

Threaded Ends with SS Latch Lock Lever

76-101-27A	1/4	58	53.62	10
76-102-27A	3/8	54	53.62	10
76-103-27A	1/2	63	53.62	10
76-104-27A	3/4	127	86.63	10
76-105-27A	1	163	104.80	10

Apollo Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

76 CF8M Stainless Steel Valves [cont'd]

Threaded Ends with SS Latch Lock Lever

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
76-106-27	1-1/4	307	196.51	5
76-107-27	1-1/2	399	205.16	5
76-108-27	2	599	265.32	2
76-109-27	2-1/2	1557	901.79	1
76-100-27	3	1679	979.58	1

76F CF8M Stainless Steel Valves

Threaded Full Port : 1000 WOG

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
76F-101-01	1/4	47	27.68	10
76F-102-01	3/8	43.5	27.68	10
76F-103-01	1/2	55	29.13	10
76F-104-01	3/4	153.5	39.32	10
76F-105-01	1	280.5	56.81	5
76F-106-01	1-1/4	412	72.81	5
76F-107-01	1-1/2	573.5	109.22	2
76F-108-01	2	973	138.35	2

Threaded Full Port : 1000 WOG with SS Latch Lock Lever

76F-101-27	1/4	47	31.09	10
76F-102-27	3/8	43.5	31.09	10
76F-103-27	1/2	55	32.57	10
76F-104-27	3/4	153.5	42.75	10
76F-105-27	1	280.5	60.22	5
76F-106-27	1-1/4	412	76.25	5
76F-107-27	1-1/2	573.5	119.41	2
76F-108-27	2	973	148.52	2

78 CF8M Stainless Steel Hydraulic Valves

SAE O-Ring x Socket Weld

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
78-145-01	3/4	200	217.71	10
78-146-01	1	320	244.85	5

399 Alloy 20 Valves

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
399-101-01	1/4	58	POA	10
399-102-01	3/8	54	POA	10
399-103-01	1/2	63	POA	10
399-104-01	3/4	127	POA	10
399-105-01	1	163	POA	10
399-106-01	1-1/4	306	POA	5
399-107-01	1-1/2	404	POA	5
399-108-01	2	605	POA	2

76 CF8M Stainless Steel

Threaded Ends : Double Union

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
76-303-01	1/2	288	266.53	6
76-304-01	3/4	381	334.34	4
76-305-01	1	598	457.93	4
76-306-01	1-1/4	847	595.77	2
76-307-01	1-1/2	1261	801.17	2
76-308-01	2	1688	987.42	1

Threaded Ends with Spring Return Handle

76-501-01A	1/4	126	106.77	10
76-502-01A	3/8	125	106.77	10
76-503-01A	1/2	131	106.77	10
76-504-01A	3/4	198	138.22	
76-505-01A	1	235	155.36	5
76-506-01	1-1/4	396	252.96	4
76-507-01	1-1/2	478	273.01	2
76-508-01	2	666	338.69	2

3-Way : Threaded Ends

76-601-01	1/4	70	105.57	6
76-602-01	3/8	66	105.57	6
76-603-01	1/2	75	105.57	6
76-604-01	3/4	145	141.42	6
76-605-01	1	186	175.82	6
76-607-01	1-1/2	467	360.51	5
76-608-01	2	702	470.91	2

77 Bronze Valves

Threaded Ends : Full Port: Mounting Pads

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
77-101-01	1/4	79	17.12	10
77-102-01	3/8	75	17.12	10
77-103-01	1/2	69	17.12	10
77-104-01	3/4	183	31.21	10
77-105-01	1	332	43.72	5
77-106-01	1-1/4	505	61.69	5
77-107-01	1-1/2	671	77.84	2
77-108-01	2	1175	135.28	2
77-109-01	2-1/2	1725	351.56	1

Threaded Ends : Full Port: Mounting Pads with SS Ball and Stem

77-141-01	1/4	79	23.68	10
77-142-01	3/8	75	23.68	10
77-143-01	1/2	69	23.68	10
77-144-01	3/4	183	44.42	10
77-145-01	1	332	70.80	10
77-146-01	1-1/4	505	94.97	5
77-147-01	1-1/2	671	116.83	2
77-148-01	2	1175	193.50	2
77-149-01	2-1/2	1725	536.37	1

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

77 Bronze Valves

Solder Ends : Full Port No Pads*

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
77-204-01	3/4	165	29.73	10
77-205-01	1	299	41.45	5
77-206-01	1-1/4	455	55.79	5
77-207-01	1-1/2	604	71.97	2
77-208-01	2	1058	130.17	1
77-209-01	2-1/2	1553	344.99	1

*See 70-200 Series for additional sizes.

Solder Ends : 316 SS Ball and Stem

77-244-01	3/4	165	42.96	10
77-245-01	1	299	68.54	10
77-246-01	1-1/4	455	89.08	5
77-247-01	1-1/2	604	110.93	2
77-248-01	2	1058	188.42	1
77-249-01	2-1/2	1553	512.20	1

O-Ring Boss : Threaded : Full Port

77-901-01	1/4	79	19.54	10
77-902-01	3/8	75	19.54	10
77-903-01	1/2	69	19.54	10
77-904-01	3/4	183	35.66	10
77-905-01	1	332	50.00	5
77-906-01	1-1/4	505	70.48	5
77-907-01	1-1/2	671	88.98	2
77-908-01	2	1175	154.57	1

77 Bronze Valves

Full Port 77 Series with Secure Vent

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
77-101-SV	1/4	10	47.36	
77-102-SV	3/8	10	47.36	
77-103-SV	1/2	10	47.36	
77-104-SV	3/4	10	61.45	
77-105-SV	1	10	73.76	
77-106-SV	1-1/4	5	97.98	
77-107-SV	1-1/2	5	114.14	
77-108-SV	2	2	183.67	

77C Apollo Bronze Full Port Ball Valves

Threaded Ends

Part No.	Size (In.)	Wt./100	List Price	Pieces/box
77C-101-01	1/4	60	12.37	10
77C-102-01	3/8	60	12.37	10
77C-103-01	1/2	60	12.37	10
77C-104-01	3/4	100	20.15	10
77C-105-01	1	180	25.47	5
77C-106-01	1-1/4	440	59.45	6
77C-107-01	1-1/2	590	78.87	6
77C-108-01	2	1140	135.88	5
77C-109-01	2-1/2	1712	393.75	1

77C Apollo Bronze Full Port Ball Valves

Solder Ends

Part No.	Size (In.)	Wt./100	List Price	Pieces/box
77C-202-01	3/8	60	12.37	10
77C-203-01	1/2	60	12.37	8
77C-204-01	3/4	100	20.15	10
77C-205-01	1	181	25.47	5
77C-206-01	1-1/4	440	59.45	6
77C-207-01	1-1/2	590	78.87	6
77C-208-01	2	1140	135.88	4
77C-209-01	2-1/2	1450	393.75	1

77C Apollo Bronze Full Port Ball Valves w/SS Trim

Threaded Ends

Part No.	Size (In.)	Wt./100	List Price	Pieces/box
77C-141-01	1/4	60	19.18	10
77C-142-01	3/8	60	19.18	10
77C-143-01	1/2	60	19.18	10
77C-144-01	3/4	100	35.79	10
77C-145-01	1	181	43.43	5
77C-146-01	1-1/4	440	93.43	5
77C-147-01	1-1/2	590	114.04	2
77C-148-01	2	1140	184.39	2
77C-149-01	2-1/2	1712	520.28	

Solder Ends

Part No.	Size (In.)	Wt./100	List Price	Pieces/box
77C-242-01	3/8	60	19.18	10
77C-243-01	1/2	60	19.18	10
77C-244-01	3/4	100	35.79	10
77C-245-01	1	181	43.43	5
77C-246-01	1-1/4	440	93.43	5
77C-247-01	1-1/2	590	114.04	2
77C-248-01	2	1140	184.39	2
77C-249-01	2-1/2	1482	520.28	

77C Apollo Bronze FP Ball Valves w/ Memory Stop

Threaded Ends

Part No.	Size (In.)	Wt./100	List Price	Pieces/box
77C-151-01	1/4	60	13.84	10
77C-152-01	3/8	60	13.84	10
77C-153-01	1/2	60	13.84	10
77C-154-01	3/4	100	21.59	10
77C-155-01	1	181	26.92	5
77C-156-01	1-1/4	440	61.28	5
77C-157-01	1-1/2	590	80.68	2
77C-158-01	2	1140	137.71	2

We reserve the right to adjust box quantities.

BOLD valves sold in box quantities only.

77C Apollo Bronze FP Ball Valves w/ Memory Stop

Solder Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
77C-252-01	3/8	60	13.84	10
77C-253-01	1/2	60	13.84	10
77C-254-01	3/4	100	21.59	10
77C-255-01	1	181	26.92	5
77C-256-01	1-1/4	440	61.28	5
77C-257-01	1-1/2	590	80.68	2
77C-258-01	2	1140	137.71	2

77C Adders/Options

-02 Grounded Stem	Adder
1/4" - 2"	.80

-04 2-1/4" Stem Extension

1/4" - 1"	14.53
1-1/4" - 2"	18.89

-07 Tee Handle

1/4" - 1/2"	4.67
3/4" - 1"	4.82
1-1/4" - 2"	10.66

-10 SS Lever and Nut

	Price Ea.
1/4" - 1"	9.70
1-1/4" - 2"	11.80

-27 Locking Handles

Kit #	Price Ea.
1/4" - 1/2" W-4900-00	4.67
3/4" - 1" W-4938-00	5.95
1-1/4" - 2" W-4949-00	7.09

-47 Oval Locking Handle

	Price Ea.
1/4" - 1/2"	5.95
3/4" - 1"	7.09
1-1/4" - 2"	13.16

Kits for Memory Stops

Size (In.)	Kit #	Price Ea.
1/4 - 1/2	78-295-01	2.07
3/4 - 1	78-296-01	2.07
1-1/4 - 2	78-297-01	2.51

Seal Repair Kits

Size (In.)	Kit #	Price Ea.
1/4 - 3/8	77C-002-01	4.37
1/2	77C-003-01	4.37
3/4	77C-004-01	7.08
1	77C-005-01	9.09
1-1/4	77C-006-01	20.88
1-1/2	77C-007-01	27.62
2	77C-008-01	47.13

77W Apollo-Press® Bronze Full Port Ball Valves

Refer to Commercial Price List (CPPL9000) for price and weights

7K Bronze Full Port Valves

Automatic Drain and 1/4" NPT Tapped Boss for Drain

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
7K-101-01	1/4	70	17.77	10
7K-102-01	3/8	66	17.77	10
7K-103-01	1/2	73	17.77	10
7K-104-01	3/4	193	35.90	10
7K-105-01	1	342	50.27	10
7K-106-01	1-1/4	515	70.94	5
7K-107-01	1-1/2	681	89.53	5
7K-108-01	2	1185	175.90	2
7K-109-01	2-1/2	1735	421.89	1

7K Bronze Full Port Valves

Full Port 7K with 1/4" Tapped Secure Vent

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
7K-103-SV	1/2	73	48.01	10
7K-104-SV	3/4	193	66.14	10
7K-105-SV	1	342	80.51	10
7K-106-SV	1-1/4	515	107.23	5
7K-107-SV	1-1/2	681	125.83	5
7K-108-SV	2	1185	224.28	2

Ball Valves

BOLD valves sold in box quantities only.

78 Bronze Valves

Threaded Ends Complete with Cap and Chain

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
78-103-01	1/2 NPT X 3/4 Hose	63	21.35	10
78-104-01	3/4 NPT X 3/4 Hose	139	30.15	10
78-165-01	1 NPT X 3/4 Hose	175	38.94	10

Solder Ends Complete with Cap and Chain

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
78-203-01	1/2 SOL X 3/4 Hose	71	21.35	10
78-204-01	3/4 SOL X 3/4 Hose	144	30.15	10
78-195-01	1 SOL X 3/4 Hose	195	38.94	10

With Mounting Pads

78-248-01	1/4	68	21.61	10
78-250-01	3/8	68	21.61	10
78-256-01	1/2	65	21.61	10
78-438-01	3/4	140	29.55	10

78 Instrumentation Ball Valves

Threaded : Male x Female

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
78-260-05	1/8	20	10.41	10
78-261-05	1/4	19	10.41	10
78-262-05	1/8	20	10.41	10
78-263-05	1/4	19	10.41	10
78-267-01	1/4	20	12.58	10
78-268-01	1/8 x 1/4	20	10.41	10
78-269-01	1/4	19	10.41	10

78 Bronze Irrigation Valves

NPT Threaded

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
78-621-01	3/4	159	43.25	10
78-622-01	1	192	57.28	10
78-623-01	1-1/4	357	79.40	5
78-624-01	1-1/2	468	90.43	5
78-625-01	2	611	125.09	2

78 Bronze Valves with Center Drain

Standard Port with SS Lever and Nut

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
78-664-01	3/4	153	32.51	10
78-665-01	1	186	40.86	10
78-666-01	1-1/4	339	65.67	5
78-667-01	1-1/2	468	77.21	5
78-962-01	2	572	98.62	2

We reserve the right to adjust box quantities.

79 Refrigeration Valves

O.D. Tube Sockets

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
79-701-01	3/8	94	72.74	1
79-702-01	1/2	94	72.74	1
79-703-01	5/8	94	72.74	1
79-704-01	7/8	131	99.20	1
79-705-01	1-1/8	206	126.99	1
79-706-01	1-3/8	400	287.23	1
79-707-01	1-5/8	425	306.42	1
79-708-01	2-1/8	600	398.97	1
79-709-01	2-5/8	1750	850.96	1
79-600-01	3-1/8	1760	904.14	1

80 Bronze Valves : UL® Listed for LP Gas

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
80-101-01	1/4	60	15.46	10
80-102-01	3/8	56	15.46	10
80-103-01	1/2	63	15.46	10
80-104-01	3/4	139	23.53	10
80-105-01	1	172	32.60	10
80-106-01	1-1/4	326	53.42	5
80-107-01	1-1/2	457	65.06	5
80-108-01	2	556	78.92	2
80-109-01	2-1/2	1725	358.11	1
80-100-01	3	1860	429.04	1

81 Bronze Valves : UL® Listed for LP Gas

Plain Ball : Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
81-101-05	1/4	60	15.82	10
81-102-05	3/8	56	15.82	10
81-103-05	1/2	63	15.82	10
81-104-05	3/4	139	23.24	10
81-105-05	1	172	32.16	10
81-106-05	1-1/4	326	52.74	5
81-107-05	1-1/2	457	64.26	5
81-108-05	2	556	77.90	2
81-109-05	2-1/2	1725	352.84	1
81-100-05	3	1860	439.77	1

82 Bronze 3-Piece Valves

Threaded Ends : Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-101-01	1/4	102	32.57	8
82-102-01	3/8	104	32.57	8
82-103-01	1/2	155	37.75	8
82-104-01	3/4	227	46.32	8
82-105-01	1	328	60.80	6
82-106-01	1-1/4	562	87.39	2
82-107-01	1-1/2	807	113.13	2
82-108-01	2	1442	207.30	1
82-109-01	2-1/2	2661	494.83	1

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

82 Bronze 3-Piece Valves

Threaded Ends : Full Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/bo
82-141-01	1/4	102	42.82	8
82-142-01	3/8	104	42.82	8
82-143-01	1/2	153	53.32	8
82-144-01	3/4	224	63.72	8
82-145-01	1	323	92.74	6
82-146-01	1-1/4	568	125.49	2
82-147-01	1-1/2	804	159.93	2
82-148-01	2	1437	261.17	1
82-149-01	2-1/2	2661	533.80	1
82-140-01	3	4224	905.89	1
82-14A-01	4	8840	1706.57	1

Solder Ends : Full Port

82-202-01	3/8	99	32.57	8
82-203-01	1/2	146	37.75	8
82-204-01	3/4	207	46.32	8
82-205-01	1	303	60.80	6
82-206-01	1-1/4	502	87.83	2
82-207-01	1-1/2	791	113.13	2
82-208-01	2	1350	207.30	1
82-209-01	2-1/2	2661	494.83	1

Solder Ends : Full Port with 316 SS Ball and Stem

82-242-01	3/8	99	42.82	8
82-243-01	1/2	144	53.32	8
82-244-01	3/4	204	63.72	8
82-245-01	1	298	92.74	6
82-246-01	1-1/4	496	125.56	2
82-247-01	1-1/2	787	159.93	2
82-248-01	2	1346	261.06	1
82-249-01	2-1/2	2661	533.80	1
82-240-01	3	4224	905.89	1
82-24A-01	4	8840	1706.57	1

Solder Ends : Full Port with 6" Brazed Copper Tube Extensions on Each End

Contact your Apollo Representative for pricing.

82 Bronze 3-Piece Valves w/Male Brazed Extensions

Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-203-B8	1/2	166	66.31	30
82-204-A8	3/4	237	72.67	24
82-205-B7	1	343	93.71	12
82-206-B7	1-1/4	552	133.49	9
82-207-B2	1-1/2	851	162.28	6
82-208-B7	2	1420	232.94	4
82-209-A2	2-1/2	2681	851.95	1

82 Bronze 3-Piece Valves w/Male Brazed Extensions

Full Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-243-A8	1/2	166	73.44	30
82-244-B3	3/4	237	90.10	24
82-245-B1	1	343	125.65	12
82-246-B0	1-1/4	552	171.12	9
82-247-B2	1-1/2	851	209.07	6
82-248-B2	2	1420	286.70	4
82-249-A2	2-1/2	2681	890.89	1
82-240-A2	3	4244	1330.23	1
82-24A-A0	4	10650	1935.94	1

Oxygen Cleaned : Full Port

82-203-A1	1/2	166	74.79	30
82-204-A2	3/4	237	81.17	24
82-205-A1	1	343	102.19	16
82-206-A1	1-1/4	552	141.97	9
82-207-A1	1-1/2	851	170.78	6
82-208-A1	2	1420	241.44	2
82-209-A3	2-1/2	2681	877.23	1

Oxygen Cleaned : Full Port with 316 SS Ball and Stem

82-243-A7	1/2	166	81.92	30
82-244-B2	3/4	237	98.57	24
82-245-B0	1	343	134.13	16
82-246-A9	1-1/4	552	179.61	9
82-247-B0	1-1/2	851	217.57	6
82-248-B1	2	1420	295.20	4
82-249-A3	2-1/2	2681	916.21	1
82-240-A1	3	4244	1355.57	1
82-24A-A1	4	10650	1961.25	1

82 Bronze 3-Piece Valves w/Female Brazed Extensions

Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-203-C2	1/2	170	63.77	30
82-204-C3	3/4	240	78.54	12
82-205-C2	1	350	100.30	12
82-206-C1	1-1/4	560	136.03	9
82-207-B8	1-1/2	860	168.66	6
82-208-C1	2	1430	255.12	4

Oxygen Cleaned : Full Port

82-203-C3	1/2	170	72.26	30
82-204-C4	3/4	240	87.03	12
82-205-C3	1	350	108.78	12
82-206-C2	1-1/4	560	144.49	9
82-207-B9	1-1/2	860	177.18	6
82-208-C2	2	1430	263.59	4
82-209-A4	2-1/2	2681	877.22	1
82-240-A6	3	4244	1355.57	1

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

82-F Bronze Medical Gas Ball Vaves w/ Gage Port

Stainless Steel Locking Handle

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-203-F1	1/2	223	106.22	16
82-204-F1	3/4	338	132.06	12
82-205-F1	1	403	152.24	12
82-206-F1	1-1/4	502	209.67	9
82-207-F1	1-1/2	791	245.22	6
82-208-F1	2	1350	322.75	4

Standard Lever Handle

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-203-F2	1/2	223	102.80	16
82-204-F2	3/4	338	128.64	12
82-205-F2	1	403	148.83	12
82-206-F2	1-1/4	502	206.22	9
82-207-F2	1-1/2	791	235.05	6
82-208-F2	2	1350	312.57	4

Stainless Steel Locking Handle/ 2 Gage Ports

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
82-203-F3	1/2	223	136.91	16
82-204-F3	3/4	338	176.53	12
82-205-F3	1	403	203.64	12
82-206-F3	1-1/4	502	282.72	9
82-207-F3	1-1/2	791	332.63	6
82-208-F3	2	1350	431.13	4

83 Carbon Steel 3-Piece Valves

Threaded Ends : 1000 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-101-01	1/4	92	1/4" - 1-1/2" DISCONTINUED	8
83-102-01	3/8	99		8
83R-103-01	1/2	149	<i>Check availability</i>	8
83R-104-01	3/4	231		8
83R-105-01	1	292	<i>before</i>	6
83R-106-01	1-1/4	569	<i>ordering</i>	2
83R-107-01	1-1/2	754	<i>ordering</i>	2
83R-108-01	2	1302	288.35	1
83R-100-01	3	4115	1419.87	1

Threaded Ends : 1000 lb.* Full Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-141-01	1/4	103	1/4" - 1-1/2" DISCONTINUED	8
83-142-01	3/8	99		8
83R-143-01	1/2	149	<i>Check availability</i>	8
83R-144-01	3/4	231		8
83R-145-01	1	292	<i>before</i>	6
83R-146-01	1-1/4	569	<i>ordering</i>	2
83R-147-01	1-1/2	754	<i>ordering</i>	2
83R-148-01	2	1302	321.85	1
83R-140-01	3	4115	1438.08	1

* To 1" Size

**To 1-1/4" Size

83 Carbon Steel 3-Piece Valves

Socket Weld : 1000 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83R-203-01	1/2	136	1/2" - 1-1/2"	8
83R-204-01	3/4	186	DISCONTINUED	6
83R-205-01	1	288	<i>Check availability</i>	6
83R-206-01	1-1/4	491	<i>before</i>	2
83R-207-01	1-1/2	727	<i>ordering</i>	2
83R-208-01	2	1251	288.35	1
83R-200-01	3	4036	1419.87	1

Socket Weld : 1000 lb.* Full Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83R-243-01	1/2	136	1/2" - 1-1/2"	8
83R-244-01	3/4	186	DISCONTINUED	8
83R-245-01	1	288	<i>Check availability</i>	6
83R-246-01	1-1/4	491	<i>before</i>	2
83R-247-01	1-1/2	727	<i>ordering</i>	2
83R-248-01	2	1251	321.85	1
83R-240-01	3	4036	1435.28	1

Threaded Ends : 1500 lb.** Standard Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-303-01	1/2	128	DISCONTINUED	8
83-304-01	3/4	200		8
83-305-01A	1	269	<i>Check availability</i>	6
83-306-01A	1-1/4	397		2
83-307-01A	1-1/2	550	<i>before</i>	2
83-308-01A	2	805	<i>ordering</i>	2

Threaded Ends : 1500 lb.** Standard Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-343-01	1/2	128	DISCONTINUED	8
83-344-01	3/4	200		8
83-345-01A	1	269	<i>Check availability</i>	6
83-346-01A	1-1/4	397	<i>before</i>	2
83-347-01A	1-1/2	550	<i>ordering</i>	2
83-348-01A	2	805		1

Socket Weld : 1500 lb.** Standard Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-403-01	1/2	128	DISCONTINUED	8
83-404-01	3/4	200		8
83-405-01A	1	269	<i>Check availability</i>	6
83-406-01A	1-1/4	397	<i>before</i>	2
83-407-01A	1-1/2	550	<i>ordering</i>	2
83-408-01A	2	805		1

Socket Weld : 1500 lb.** Standard Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-443-01	1/2	128	DISCONTINUED	8
83-444-01	3/4	200		8
83-445-01A	1	269	<i>Check availability</i>	6
83-446-01A	1-1/4	397	<i>before</i>	2
83-447-01A	1-1/2	550	<i>ordering</i>	2
83-448-01A	2	805		1

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

83 Carbon Steel 3-Piece Valves

Threaded Ends : 1500 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-501-01	1/4	121		8
83-502-01	3/8	122	DISCONTINUED	8
83-503-01	1/2	190		8
83-504-01A	3/4	256	Check availability	8
83-505-01A	1	378	before	6
83-506-01A	1-1/4	524	ordering	2
83-507-01A	1-1/2	767		2
83-508-01A	2	1560		1

Threaded Ends : 1500 lb.* Full Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-541-01	1/4	121		8
83-542-01	3/8	122	DISCONTINUED	8
83-543-01	1/2	190		8
83-544-01A	3/4	256	Check availability	8
83-545-01A	1	378	before	6
83-546-01A	1-1/4	524	ordering	2
83-547-01A	1-1/2	767		2
83-548-01A	2	1560		1

Socket Weld : 1500 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-603-01	1/2	190		8
83-604-01A	3/4	256	DISCONTINUED	8
83-605-01A	1	378	Check availability	6
83-606-01A	1-1/4	524	before	2
83-607-01A	1-1/2	767	ordering	2
83-608-01A	2	1560		1

Socket Weld : 1500 lb.* Full Port with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83-643-01	1/2	190		8
83-644-01A	3/4	256	DISCONTINUED	8
83-645-01A	1	378	Check availability	6
83-646-01A	1-1/4	524	before	2
83-647-01A	1-1/2	768	ordering	2
83-648-01A	2	1560		1

Butt Weld : 1000 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83R-703-01	1/2	136		8
83R-704-01	3/4	186	DISCONTINUED	8
83R-705-01	1	288	Check availability	6
83R-707-01	1-1/2	727	before	2
83R-708-01	2	1251	ordering	1

* To 1" Size

** To 1-1/4" Size

83A Carbon Steel 3-Piece Valves

Threaded Ends: 1500 lb. Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83A-141-01	1/4	230	68.16	8
83A-142-01	3/8	230	68.16	8
83A-143-01	1/2	230	84.47	8
83A-144-01	3/4	360	112.13	6
83A-145-01	1	570	139.80	4
83A-146-01	1-1/4		186.40	2
83A-147-01	1-1/2		243.19	2
83A-148-01	2	2760	321.85	1
83R-100-01*	3	4115	1419.87	

Socket Weld : 1500 lb. Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83A-241-01	1/4	230	68.16	8
83A-242-01	3/8	230	68.16	8
83A-243-01	1/2	230	84.47	8
83A-244-01	3/4		112.13	6
83A-245-01	1	570	139.80	4
83A-246-01	1-1/4		186.40	2
83A-247-01	1-1/2	1438	243.19	2
83A-248-01	2	2760	321.85	1
83R-240-01*	3	4036	1435.28	

Buttweld : Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83A-543-01	1/2	230	88.48	8
83A-544-01	3/4	360	117.65	6
83A-545-01	1	570	147.04	4
83A-547-01	1-1/2	1438	256.08	2
83A-548-01	2	2760	344.88	1

83B Carbon Steel 3-Piece Valves (ANSI B16.34)

Threaded Ends: Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83B-141-01	1/4	230	94.50	8
83B-142-01	3/8	230	94.50	8
83B-143-01	1/2	230	99.91	8
83B-144-01	3/4	360	137.75	6
83B-145-01	1	570	181.05	4
83B-146-01	1-1/4	1438	225.05	2
83B-147-01	1-1/2	1438	308.69	2
83B-148-01	2	2760	563.28	1

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

83B Carbon Steel 3-Piece Valves (ANSI B16.34)

Socket Weld : Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83B-241-01	1/4	230	94.50	8
83B-242-01	3/8	230	94.50	8
83B-243-01	1/2	230	99.91	8
83B-244-01	3/4	360	137.75	6
83B-245-01	1	570	181.05	4
83B-246-01	1-1/4	1438	225.05	2
83B-247-01	1-1/2	1438	309.21	2
83B-248-01	2	2760	563.28	1

Buttweld : Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
83B-543-01	1/2	230	103.92	8
83B-544-01	3/4	360	143.27	6
83B-545-01	1	570	188.30	4
83B-547-01	1-1/2	1438	322.11	2
83B-548-01	2	2760	586.32	1

85 Stainless Steel 3-Piece Valves

Threaded Ends : 1000 lb.** Standard Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
85-101-01	1/4	102		8
85-102-01	3/8	98	1/4" - 1-1/2"	8
85-103-01	1/2	97	DISCONTINUED	8
85R-104-01	3/4	135	<i>Check availability</i>	8
85R-105-01	1	196	<i>before</i>	6
85R-106-01	1-1/4	283	<i>ordering</i>	2
85R-107-01	1-1/2	463	<i>ordering</i>	2
85R-108-01	2	712	436.88	1

Socket Weld : 1000 lb.** Standard Port

85-203-01	1/2	97	1/2" - 1-1/2"	8
85R-204-01	3/4	135	DISCONTINUED	8
85R-205-01	1	196	<i>Check availability</i>	6
85R-206-01	1-1/4	283	<i>before</i>	2
85R-207-01	1-1/2	463	<i>ordering</i>	2
85R-208-01	2	712	436.88	1

401 Alloy 20 3-Piece Valves

Threaded Ends Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
401R-103-01	1/2	135	DISCONTINUED	8
401R-104-01	3/4	189		8
401R-105-01	1	295	<i>Check availability</i>	6
401R-107-01	1-1/2	736	<i>before</i>	2
401R-108-01	2	1273	<i>ordering</i>	1

401 Alloy 20 3-Piece Valves

Socket Weld Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
401R-203-01	1/2	133		8
401R-204-01	3/4	189	DISCONTINUED	8
401R-205-01	1	276	<i>Check availability</i>	6
401R-207-01	1-1/2	718	<i>before</i>	2
401R-208-01	2	1242	<i>ordering</i>	1

86 Stainless Steel 3-Piece Valves

Threaded Ends : 1000 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86-101-01	1/4	102		8
86-102-01	3/8	98	1/4" - 1-1/2"	8
86R-103-01	1/2	135	DISCONTINUED	8
86R-104-01	3/4	189	<i>Check availability</i>	8
86R-105-01	1	295	<i>before</i>	6
86R-106-01	1-1/4	500	<i>ordering</i>	2
86R-107-01	1-1/2	736	<i>ordering</i>	2
86R-108-01	2	1273	538.84	1
86R-100-01	3	4115	1438.82	1

Socket Weld : 1000 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86-202-01	3/8	98		8
86R-203-01	1/2	133	3/8" - 1-1/2"	8
86R-204-01	3/4	186	DISCONTINUED	8
86R-205-01	1	276	<i>Check availability</i>	6
86R-206-01	1-1/4	487	<i>before</i>	2
86R-207-01	1-1/2	718	<i>ordering</i>	2
86R-208-01	2	1242	538.84	1
86R-200-01	3	4036	1438.80	1

Threaded Ends : 1500 lb.* Full Port

86-501-01	1/4	123		8
86-502-01	3/8	118		8
86-503-01	1/2	162	DISCONTINUED	8
86-504-01A	3/4	227	<i>Check availability</i>	8
86-505-01A	1	354	<i>before</i>	6
86-506-01A	1-1/4	600	<i>ordering</i>	2
86-507-01A	1-1/2	884	<i>ordering</i>	2
86-508-01A	2	1528		1

Socket Weld : 1500 lb.* Full Port

86-603-01	1/2	160		8
86-604-01A	3/4	224	DISCONTINUED	8
86-605-01A	1	332	<i>Check availability</i>	8
86-606-01A	1-1/4	585	<i>before</i>	2
86-607-01A	1-1/2	862	<i>ordering</i>	2
86-608-01A	2	1560	<i>ordering</i>	1

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

86 Stainless Steel 3-Piece Valves (cont'd)

Butt Weld : 1000 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86R-703-01	1/2	187		8
86R-704-01	3/4	198	DISCONTINUED	8
86R-705-01	1	290	Check availability	6
86R-707-01	1-1/2	700	before	2
86R-708-01	2	1308	ordering	1

Butt Weld : 1500 lb.* Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86-903-01	1/2	160		8
86-904-01A	3/4	224	DISCONTINUED	8
86-905-01A	1	332	Check availability	6
86-907-01A	1-1/2	862	before	2
86-908-01A	2	1560	ordering	1

* To 1" Size

** To 1-1/4" Size

86A Stainless Steel 3-Piece Valves

Threaded Ends: 1500 lb. Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86A-101-01	1/4	230	134.04	8
86A-102-01	3/8	230	134.04	8
86A-103-01	1/2	230	151.46	8
86A-104-01	3/4	360	218.44	6
86A-105-01	1	570	262.13	4
86A-106-01	1-1/4	1438	305.81	2
86A-107-01	1-1/2	1438	407.76	2
86A-108-01	2	2760	538.84	1
86R-100-01*	3	4115	1438.82	

Socket Weld : 1500 lb. Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86-201-01	1/4	230	134.04	8
86A-202-01	3/8	230	134.04	8
86A-203-01	1/2	230	151.46	8
86A-204-01	3/4	360	218.44	6
86A-205-01	1	570	262.13	4
86A-206-01	1-1/4	1438	305.81	2
86A-207-01	1-1/2	1438	407.76	2
86A-208-01	2	2760	538.84	1
86R-200-01*	3	4036	1438.80	

Buttweld : 1500 lb. Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86A-503-01	1/2	230	156.99	8
86A-504-01	3/4	360	226.72	6
86A-505-01	1	570	273.16	4
86A-507-01	1-1/2	1438	424.31	2
86A-508-01	2	2760	571.91	1

86B Stainless Steel 3-Piece Valves (ANSI B16.34)

Threaded Ends: Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86B-101-01	1/4	230	150.42	8
86B-102-01	3/8	230	150.42	8
86B-103-01	1/2	230	174.31	8
86B-104-01	3/4	360	245.73	6
86B-105-01	1	570	290.73	4
86B-106-01	1-1/4	1438	367.64	2
86B-107-01	1-1/2	1438	491.87	2
86B-108-01	2	2760	859.64	1

Socket Weld : Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86B-201-01	1/4	230	150.42	8
86B-202-01	3/8	230	150.42	8
86B-203-01	1/2	230	174.33	8
86B-204-01	3/4	360	245.73	6
86B-205-01	1	570	290.73	4
86B-206-01	1-1/4	1438	367.65	2
86B-207-01	1-1/2	1438	491.87	2
86B-208-01	2	2760	859.64	1

Buttweld : Class 600 Full Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
86B-503-01	1/2	230	179.85	8
86B-504-01	3/4	360	254.01	6
86B-505-01	1	570	301.76	4
86B-507-01	1-1/2	1438	508.42	2
86B-508-01	2	2760	892.50	1

83A, 83B, 86A, 86B Adders

-04 2-1/4" Stem Extension	Price Ea.
1/4" - 3/4"	56.20
1" - 2"	80.13

-14 Vented Ball (unidirectional)	Price Ea.
1/4" - 1-1/2"	3.64
2"	4.84

-15 Round Handle	Price Ea.
1/4" - 3/4"	39.33
1" - 2"	56.34

-21 UHMWPE Trim "B" Series Only	Price Ea.
1/4" - 3/4"	14.55
1" - 1-1/4"	24.75
1-1/2" - 2"	25.13

-24 Graphite Stem Packing "B" Series Only	Price Ea.
1/4"	4.28
3/8"	4.28
1/2"	5.99
3/4"	6.81
1"	8.49
1-1/4"	9.33
1-1/2"	10.16
2"	15.21

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

83A, 83B, 86A, 86B Adders (cont'd)

-38 PEEK Seats, Graphite Stem Packing & Gaskets "B" Series Only	Price Ea.
1/4" - 1/2"	155.28
3/4"	159.25
1"	213.96
1-1/4" - 1-1/2"	392.23
2"	522.53

-49 Assembled Dry	Price Ea.
NPT/SW	N/C

-57 Cleaned for Oxygen Service (SS only)	Price Ea.
1/4" - 2"	8.49

-60 Grounded Ball and Stem "A" Series (Standard on "B" Series)	Price Ea.
1/4" - 2"	4.83

-62 Center Section Only
Consult Customer Service

-63 NPT X SW	Price Ea.
All Sizes	N/C

-66 NPT X Butt weld for 83A & 83B Series	Price Ea.
1/4"	2.01
1/2"	2.01
3/4"	2.76
1"	3.63
1-1/4"	N/A
1-1/2"	6.45
2"	11.52

-66 NPT X Butt weld for 86A & 86B Series	Price Ea.
1/4"	2.76
1/2"	2.76
3/4"	4.14
1"	5.51
1-1/4"	N/A
1-1/2"	8.27
2"	16.54

-67 Cleaned for Industrial Gases - Carbon Steel	Price Ea.
1/4" - 2"	8.49

-69 Drilled and Tapped Purge & Drains	Price Ea.
1/4" - 1"	101.93
1-1/2"	116.51
2"	123.77

-70 4" Extended Bonnet	Price Ea.
1/4" - 1"	262.13
1-1/4" - 1-1/2"	320.38
2"	342.22

-76 Live Loaded - Lever	Price Ea.
3/8" - 1"	119.59
1-1/4" - 2"	175.46

83A, 83B, 86A, 86B Adders (cont'd)

-77 Live Loaded (Gear and Automation)	Price Ea.
3/8" - 2"	No Charge

-90 Extended Bonnet with Double Packing	Price Ea.
1/4" - 1"	518.09
1-1/2"	665.12
2"	735.15

-SR Spring Return Handle	Kit Number	Price Ea.
1/4" - 1/2"	78-2061-00	69.27
3/4"	78-2062-00	70.85
1"	78-2063-00	101.64

83A, 83B, 86A, 86B Replacement Seal Kits

83A, 86A

1/4-1/2	83A-003-01	26.13
3/4	83A-004-01	28.60
1	83A-005-01	29.68
1-1/4	83A-007-01	51.96
1-1/2	83A-007-01	51.96
2	83A-008-01	74.28

83B, 86B

1/4-1/2	83B-003-01	56.63
3/4	83B-004-01	59.47
1	83B-005-01	67.25
1-1/4	83B-007-01	74.61
1-1/2	83B-007-01	74.61
2	83B-008-01	101.61

71 Bronze AR Ball Valves

Refer to Actuator and Control Price List (ACPL9000).

77 Bronze AR Ball Valves

Refer to Actuator and Control Price List (ACPL9000).

76 Stainless Steel AR Ball Valves

Refer to Actuator and Control Price List (ACPL9000).

89 Carbon Steel AR Ball Valves

Refer to Actuator and Control Price List (ACPL9000).

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

Apollo® Flanged End Ball Valves

- Valves are supplied with lever operators as standard. (Sizes 1/2"-6")
- Full Port Valves 8", 10", 12" come with bare stem - Gear Operator strongly suggested (see Options Pricing).
- Regular Port Valves 10" come with bare stem - Gear Operator strongly suggested (see Options Pricing).
- Regular Port Valves 2-1/2" - 10" are split-body design for easy repair.
- Valves with lever operators are standard with Lock Plate (Previously-19 Option).
- Valves with lever operators have grounded ball and stem as standard (Previously-60 Option).
- All valve sizes have RPTFE/PTFE seats and packing as standard.

For API 607 4th Ed. Firesafe, -24 Option must be specified, on all sizes.

87A CF8M Stainless Steel Valves : ANSI Class

300 Flanged Ends : Full Port

Part No.	Size (In.)	Wt./Ea.	Price Ea.	Pieces/box
87A-903-01	1/2	6	401.61	1
87A-904-01	3/4	9	472.51	1
87A-905-01	1	10.5	598.49	1
87A-907-01	1-1/2	21	1204.85	1
87A-908-01	2	37	1386.00	1
87A-909-01	2-1/2	50	2212.47	1
87A-900-01	3	78	2346.72	1
87A-90A-01	4	133	3205.05	1
87A-90C-01	6	329.2	5860.09	1
87A-90E-01	8	600	9293.84	1
87A-90G-01	10	944	24756.83	1
87A-90H-01	12	1542	26185.10	1

87A CF8M Stainless Steel Valves : ANSI Class

150 Flanged Ends : Standard Port

Part No.	Size (In.)	Wt./Ea.	Price Ea.	Pieces/box
87A-107-01A	1-1/2	9	655.57	1
87A-108-01	2	18	815.98	1
87A-109-01	2-1/2	27	1042.39	1
87A-100-01	3	34.3	1302.06	1
87A-10A-01	4	73	1848.68	1
87A-10C-01	6	117	3789.24	1
87A-10E-01	8	310.3	6737.49	1
87A-10G-01	10	525.8	11553.85	1

150 Flanged Ends : Full Port

Part No.	Size (In.)	Wt./Ea.	Price Ea.	Pieces/box
87A-203-01	1/2	3.35	224.99	1
87A-204-01	3/4	4.6	285.00	1
87A-205-01	1	7	348.84	1
87A-207-01	1-1/2	14.3	880.10	1
87A-208-01	2	25	1104.12	1
87A-209-01	2-1/2	30	1408.08	1
87A-200-01	3	60	1581.04	1
87A-20A-01	4	91	2371.64	1
87A-20C-01	6	247.5	5766.81	1
87A-20E-01	8	467	8677.34	1
87A-20G-01	10	790	12655.27	1
87A-20H-01	12	1300	27562.00	1

300 Flanged Ends : Standard Port

87A-707-01A	1-1/2	15.7	755.99	1
87A-708-01	2	24.4	825.76	1
87A-709-01	2-1/2	26	1642.46	1
87A-700-01	3	54.5	1904.31	1
87A-70A-01	4	95	2757.04	1
87A-70C-01	6	187	5281.48	1
87A-70E-01	8	399.2	10081.00	1
87A-70G-01	10	704	20200.72	1

87A Alloy 20 ANSI Class

150 Flanged Ends : Standard Port

Part No.	Size (In.)	Wt./Ea.	Price Ea.	Pieces/box
87A-403-01	1/2		P.O.A.	
87A-404-01	3/4		P.O.A.	
87A-405-01	1		P.O.A.	
87A-407-01A	1-1/2	9	P.O.A.	1
87A-408-01	2	18	P.O.A.	1
87A-400-01	3	34.3	P.O.A.	1
87A-40A-01	4	73	P.O.A.	1
87A-40C-01	6	7	P.O.A.	1
87A-40E-01	8		P.O.A.	1

87A Alloy 20 ANSI Class

150 Flanged Ends : Full Port

Part No.	Size (In.)	Wt./Ea.	Price Ea.	Pieces/box
87A-503-01	1/2	3.2	P.O.A.	1
87A-504-01	3/4	4.6	P.O.A.	1
87A-505-01	1	7	P.O.A.	1
87A-507-01	1-1/2	18.2	P.O.A.	1
87A-508-01	2	26.4	P.O.A.	1
87A-500-01	3	58.3	P.O.A.	1
87A-50A-01	4	98	P.O.A.	1
87A-50C-01	6	247.5	P.O.A.	1

87B CF8M Stainless Stl Unibody Valves: ANSI Class

150 Flanged Ends: Standard Port

Part Number	Size (In.)	Wt./Ea.	Price Ea.	Pieces/Box
87B-100-01	3	43	1302.06	1
87B-10A-01	4	72	1848.68	1
87B-10C-01	6	110	3789.24	1
87B-10E-01	8	210	6737.49	1
87B-10G-01	10	350	11553.85	1

Ball Valves

We reserve the right to adjust box quantities.

BOLD valves sold in box quantities only.

88A Carbon Steel Valves : ANSI Class

150 Flanged Ends : Standard Port

Part Number	Size (In.)	Wt./Ea.	Price Ea.	Pieces/Box
88A-107-01A	1-1/2	9	412.05	1
88A-108-01	2	18	460.91	1
88A-109-01	2-1/2	27	645.45	1
88A-100-01	3	44	703.59	1
88A-10A-01	4	73	1230.22	1
88A-10C-01	6	117	2180.67	1
88A-10E-01	8	310.3	4688.29	1
88A-10G-01	10	525.8	8367.11	1

88 Carbon Steel Valves : ANSI Class

300 Flanged Ends : Standard Port

Part No.	Size (In.)	Wt./Ea.	Price Ea.	Pieces/box
88A-707-01A	1-1/2	15.7	562.49	1
88A-708-01	2	24.4	607.01	1
88A-709-01	2-1/2	26	1049.98	1
88A-700-01	3	54.5	1209.98	1
88A-70A-01	4	95	1822.57	1
88A-70C-01	6	187	3225.52	1
88A-70E-01	8	399.2	5603.37	1
88A-70G-01	10	704	10040.50	1

88A Carbon Steel Valves : ANSI Class

150 Flanged Ends : Standard Port with 316 SS Ball and Stem

88A-147-01A	1-1/2	9	441.54	1
88A-148-01	2	18	499.66	1
88A-149-01	2-1/2	27	667.37	1
88A-140-01	3	44	819.01	1
88A-14A-01	4	73	1322.93	1
88A-14C-01	6	117	2886.80	1
88A-14E-01	8	310.3	6139.25	1
88A-14G-01	10	525.8	10591.61	1

150 Flanged Ends : Full Port

88A-203-01	1/2	3.35	179.99	1
88A-204-01	3/4	4.6	224.99	1
88A-205-01	1	7	262.91	1
88A-207-01	1-1/2	14.3	502.20	1
88A-208-01	2	25	532.54	1
88A-209-01	2-1/2	30	778.59	1
88A-200-01	3	60	918.44	1
88A-20A-01	4	91	1454.37	1
88A-20C-01	6	247.5	2832.85	1
88A-20E-01	8	467	5230.41	1
88A-20G-01	10	790	11677.29	1
88A-20H-01	12	1300	16522.22	1

150 Flanged Ends : Full Port with 316 SS Ball and Stem

88A-243-01	1/2	3.35	202.49	1
88A-244-01	3/4	4.6	239.99	1
88A-245-01	1	7	274.68	1
88A-247-01	1-1/2	14.3	508.95	1
88A-248-01	2	25	547.69	1
88A-249-01	2-1/2	30	930.25	1
88A-240-01	3	60	960.57	1
88A-24A-01	4	91	1476.27	1
88A-24C-01	6	247.5	3351.90	1
88A-24E-01	8	467	6839.88	1
88A-24G-01	10	790	12356.78	1
88A-24H-01	12	1300	20116.13	1

300 Flanged Ends : Standard Port with 316 SS Ball and Stem

88A-747-01A	1-1/2	15.7	622.48	1
88A-748-01	2	24.4	672.40	1
88A-749-01	2-1/2	26	1124.97	1
88A-740-01	3	54.5	1365.47	1
88A-74A-01	4	95	2023.53	1
88A-74C-01	6	187	3668.74	1
88A-74E-01	8	265	6277.44	1
88A-74G-01	10	401	11725.75	1

300 Flanged Ends : Full Port

88A-903-01	1/2	6	228.39	1
88A-904-01	3/4	9	252.00	1
88A-905-01	1	10.5	346.49	1
88A-907-01	1-1/2	21	748.11	1
88A-908-01	2	37	866.24	1
88A-909-01	2-1/2	50	1135.89	1
88A-900-01	3	78	1338.73	1
88A-90A-01	4	133	1889.97	1
88A-90C-01	6	329.2	5197.41	1
88A-90E-01	8	600	7418.87	1
88A-90G-01	10	944	15116.22	1
88A-90H-01	12	1542	18130.74	1

300 Flanged Ends : Full Port with 316 SS Ball and Stem

88A-943-01	1/2	6	244.13	1
88A-944-01	3/4	9	275.63	1
88A-945-01	1	10.5	385.86	1
88A-947-01	1-1/2	21	826.88	1
88A-948-01	2	37	984.38	1
88A-949-01	2-1/2	50	1325.22	1
88A-940-01	3	78	1496.24	1
88A-94A-01	4	133	2204.97	1
88A-94C-01	6	329.2	5827.40	1
88A-94E-01	8	600	8029.36	1
88A-94G-01	10	944	16575.42	1
88A-94H-01	12	1542	21656.40	1

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

88B Carbon Steel Unibody Valves: ANSI Class

150 Flanged Ends: Standard Port

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
88B-100-01	3	43	703.59	1
88B-10A-01	4	72	1230.22	1
88B-10C-01	6	110	2180.67	1
88B-10E-01	8	210	4688.29	1
88B-10G-01	10	350	8367.11	1

150 Flanged Ends: Standard Port with 316 SS Ball and Stem

88B-140-01	3	43	819.01	1
88B-14A-01	4	72	1322.93	1
88B-14C-01	6	110	2886.80	1
88B-14E-01	8	210	6139.25	1
88B-14G-01	10	350	10591.61	1

Adder for Gear Operators on ANSI Class 150 and 300 Apollo® Flanged Valves.

-MG: w/std handwheel

-MH: w/std handwheel and locking device

ANSI Class 150 & 300 Standard Port

Size (In.)	-MG	-MH
1-1/2, 2, 2-1/2	\$436.88	\$553.40
3	\$509.70	\$626.20
4	\$524.27	\$640.76
6	\$669.88	\$786.40
8	\$932.02	\$1062.77
10	\$1004.84	\$1128.61

ANSI Class 150 & 300 Full Port

Size (In.)	-MG	-MH
1-1/2, 2, 2-1/2	\$436.88	\$553.40
3	\$509.60	\$626.20
4	\$669.88	\$786.40
6	\$932.02	\$1063.08
8	\$1004.84	\$1186.89
10	\$1951.44	\$2075.21
12	\$1951.44	\$2075.21

-10 SS Lever and Nut

88A, 88B SERIES	Adder
1/2" - 1"	4.54
1-1/2" - 2-1/2"	6.81

-14 Vented Ball (Unidirectional)

Hole in upstream side of the ball must have SS ball & stem

Size (In.)	Adder
thru 1-1/2	3.64
2	4.84
3, 4, 6 Valves	40.15
8, 10 12 Valves	64.22

-21 UHMWPE Seats : Graphite Stem Packing

87A/87B-100 87A-200	88A/88B-100 88A-200	Adder
1/2"-1"	—	14.55
1-1/2"-2-1/2"	1"	24.75
3"	1-1/2"-2-1/2"	25.13
4"	—	71.37
6"	—	100.49
—	3"	84.47
—	4"	133.98
8"	6"	269.42
10"	8"	669.88
—	10"	1004.84
—	12"	1558.22

-24 Graphite Stem Packing : Standard Apollo®

Flanged	Adder
1/2"-1"	4.84
1-1/2"-2-1/2"	9.65
3" & 4"	14.55
6"-12"	29.13

Flanged Valves Adders/Options

-04 2-1/4" CS Extended Stem

87A, 87B/88A, 88B SERIES	Std Port	Full Port	Adder
	1" - 1-1/4"	-	30.38
	1-1/2" - 2"	-	32.03
	-	1/2", 3/4"	50.97
	1-1/2"-3"	1" - 2-1/2"	72.81

-35 Virgin TFE (PTFE) Trim

87A, 87B, 88A, 88B	Adder
Size (In.)	
1/2-1	.62
1-1/2-2	1.18
2-1/2-4	1.84
6	29.13
8 & up	72.81

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

-38 Peek Seats

Consult Factory

-49 Assembled Dry

87A/87B and 88A/ 88B

Size (In.)	Price Ea.
1/2-2	7.90
2-1/2-6	23.63
8-12	74.99

-57 Oxygen Cleaned

Stainless valves only

Size (In.)	Adder
1/2-2	8.49
2-1/2-6	25.33
8,10, 12	80.29

-65 Multifill PTFE Seats : Graphite Seal & Packing

87A/88A - 200, 900 (Full Port)	87B/88B - 100 87A/88A - 100, 700 (Standard Port)	Adder
1/2"		7.51
3/4"		7.51
1"	1-1/2"	12.19
1-1/2"	2"	12.19
2"	2-1/2"	14.18
2-1/2"	3"	14.18
3"	4"	23.47
4"	6"	35.63
6"	8"	124.73
8"	10"	507.61
10"		985.70
12"		1087.50

-67 Cleaned for Industrial Gases

Size (In.)	Adder
1/2-2	8.49
2-1/2-6	25.33
8, 10, 12	80.29

-69 Purge Ports Drilled, Tapped & Plugged [Flanged]

Series	Size (In.)	Adder
87A/88A	1/2-1	101.93
	1-1/2	116.51
	2	123.77
	2-1/2	145.62
	3	152.90
	4	160.20
	6	218.44
	8	334.93
	10	640.76
	12	P.O.A.

-70 4" SS Extended Bonnet w/PTFE Trim

87A/88A-100, -700	Standard Port	Adder
1-1/2"	78-1946-01	262.13
2"	78-1948-01	320.38
2-1/2" & 3"	78-1950-01	342.22
4" & 6"	78-1952-01	451.44
8" & 10"	78-1954-01	980.18

87A/88A-200, -900	Full Port	Adder
1/2"	78-1938-01	262.13
3/4"	78-1942-01	262.13
1"	78-1946-01	262.13
1-1/2"	78-1948-01	320.38
2" & 2-1/2"	78-1950-01	342.22
3" & 4"	78-1952-01	451.44
6" & 8"	78-1954-01	980.18

*Other trim options available. Consult customer service.

-73 Spiral Wound Gaskets : 316SS w/PTFE Filler

87A/88A-100, -700		87A/88A-200, -900	
87B/88B-100			
Std. Port	Adder	Full Port	Adder
1"	12.53	1"	14.55
1-1/2"	12.53	1-1/2"	14.55
2"	12.53	2"	14.55
2-1/2"	12.53	2-1/2"	14.55
3"	12.53	3"	21.84
4"	18.77	4"	29.13
6"	25.04	6"	50.97
8"	43.83	8"	72.81
10"	62.60	10"	131.07
12"	-	12"	145.62

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

-74 Spiral Wound Gaskets : 316SS w/Graphite Filler

87A/88A-100, -700		87A/88A-200, -900	
87B/88B-100			
Std. Port	Adder	Full Port	Adder
1"	13.74	1"	14.55
1-1/2"	13.74	1-1/2"	14.55
2"	13.74	2"	14.55
2-1/2"	13.74	2-1/2"	14.55
3"	13.74	3"	21.84
4"	20.59	4"	29.13
6"	27.48	6"-12"	See -24
8"-10"	See -24		

-76 Live Load for Manual-Flanged

87A/88A-100, -700		87A/88A-200, -900	
87B/88B-100			
Std. Port	Adder	Full Port	Adder
1-1/2"-2"	189.30	1/2"-1-1/2"	189.30
2-1/2"-3"	203.89	2"-2-1/2"	203.89
4"-6"	218.44	3"-4"	218.44
8"-10"	283.98	6"-8"	283.98
12"	N/A	10"-12"	364.07

-77 Live Load for Automated-Flanged

87A/88A-100, -700		87A/88A-200, -900	
87B/88B-100			
Std. Port	Adder	Full Port	Adder
1-1/2"-2"	189.30	1/2"-1-1/2"	189.30
2-1/2"-3"	203.89	2"-2-1/2"	203.89
4"-6"	218.44	3"-4"	218.44
8"-10"	283.98	6"-8"	283.98
12"	N/A	10"-12"	364.07

-80 Multi-seal Seats for 87A and 88A

Standard Port	Full Port	Adder
	1"	7.28
2"	1-1/2"	7.28
2-1/2"	2"	7.28
3"	2-1/2"	14.55
4"	3"	14.55
6"	4"	14.55
8"	6"	225.73
	8"	291.27

-90 Extended Bonnet w/Double Packing

87A/88A-100, -700	Standard Port	Adder
1-1/2"	78-1960-01	518.09
2"	78-1962-01	665.12
2-1/2" & 3"	78-1964-01	735.15
4" & 6"	78-1966-01	910.18
8" & 10"	78-1968-01	1960.39
87A/88A-200, -900	Full Port	Adder
1/2"	78-1956-01	518.09
3/4"	78-1958-01	518.09
1"	78-1960-01	518.09
1-1/2"	78-1962-01	665.12
2" & 2-1/2"	78-1964-01	735.15
3" & 4"	78-1966-01	910.18
6" & 8"	78-1968-01	1960.39

Replacement Seal Kits

87A/87B, 88A/88B Replacement Kits : -01 VALVES ONLY

Regular Port	Full Port	Kit Number	List Price
1/2	-	87-003-01	3.91
3/4	-	87-004-01	5.83
1	-	87-005-01	8.30
-	1"	87A-025-01	23.00
1-1/2	-	87A-017-01	18.40
-	1-1/2"	87A-027-01	26.05
2	-	87A-018-01	27.57
2-1/2	2"	87A-028-01	53.64
3	2-1/2"	87A-029-01	58.25
4	3"	87A-020-01	91.97
6"	4"	87A-02A-01	122.64
8"	6"	87A-02C-01	275.92
10"	8"	87A-02E-01	467.02
-	10"	87A-02G-01	1716.88
-	12"	87A-02H-01	1808.85

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

89 Cast Carbon Steel Valves

Threaded Ends with Mounting Pads

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
89-101-01A	1/4	58	28.86	10
89-102-01A	3/8	54	28.86	10
89-103-01A	1/2	63	28.86	10
89-104-01A	3/4	127	37.45	10
89-105-01A	1	163	52.24	10
89-106-01	1-1/4	306	117.64	5
89-107-01	1-1/2	398	148.90	5
89-108-01	2	599	199.28	2
89-109-01	2-1/2	1557	428.88	1
89-100-01	3	1679	468.08	1

89 Cast Carbon Steel Valves

Threaded Ends with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
89-141-01A	1/4	58	37.80	10
89-142-01A	3/8	54	37.80	10
89-143-01A	1/2	63	37.80	10
89-144-01A	3/4	127	54.97	10
89-145-01A	1	163	69.93	10
89-146-01	1-1/4	306	138.88	5
89-147-01	1-1/2	398	177.23	5
89-148-01	2	599	231.20	2
89-149-01	2-1/2	1557	519.17	1
89-140-01	3	1679	556.61	11

89 Cast Carbon Steel Valves

Spring Return Handle

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
89-501-01A	1/4	126	89.32	10
89-502-01A	3/8	125	89.32	10
89-503-01A	1/2	131	89.32	10
89-504-01A	3/4	198	99.32	5
89-505-01A	1	235	106.45	5
89-506-01	1-1/4	396	190.19	4
89-507-01	1-1/2	478	233.66	2
89-508-01	2	666	292.92	2

90 Bronze Valves : UL Listed

Threaded Ends : Unibody

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
90-103-01	1/2	53	12.63	10
90-104-01	3/4	82	15.60	10
90-105-01	1	125	22.90	10
90-106-01	1-1/4	198	38.96	5
90-107-01	1-1/2	299	50.49	5
90-108-01	2	464	71.89	2

9A Bronze Valves : Unibody

Threaded Ends : Heavy Pattern

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
9A-101-01	1/4	73	13.14	10
9A-102-01	3/8	73	13.14	10
9A-103-01	1/2	73	13.14	10
9A-104-01	3/4	110	17.36	10
9A-105-01	1	173	24.37	10
9A-106-01	1-1/4	292	42.08	5
9A-107-01	1-1/2	396	54.54	5
9A-108-01	2	597	77.52	2

91 Bronze Valves : Unibody

Threaded Ends : Standard Pattern

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
91-101-01	1/4	53	12.48	10
91-102-01	3/8	53	12.48	10
91-103-01	1/2	53	12.48	10
91-104-01	3/4	82	15.99	10
91-105-01	1	125	22.96	10
91-106-01	1-1/4	198	39.45	5
91-107-01	1-1/2	299	51.06	5
91-108-01	2	464	71.83	2

91 Bronze Valves : Unibody

Threaded Ends with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
91-141-01	1/4	63	18.92	10
91-142-01	3/8	53	18.92	10
91-143-01	1/2	52	18.92	10
91-144-01	3/4	81	22.02	10
91-145-01	1	124	34.10	10
91-146-01	1-1/4	197	53.39	5
91-147-01	1-1/2	296	72.95	5
91-148-01	2	460	100.34	2



BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

92 Cast Carbon Steel : Unibody

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
92-101-01	1/4	49	30.70	10
92-102-01	3/8	49	30.70	10
92-103-01	1/2	49	30.70	10
92-104-01	3/4	76	36.94	10
92-105-01	1	121	53.74	10
92-106-01	1-1/4	195	77.42	5
92-107-01	1-1/2	292	116.03	5
92-108-01	2	473	148.41	2

Threaded Ends with 316 SS Ball and Stem

92-141-01	1/4	49	37.65	10
92-142-01	3/8	49	37.65	10
92-143-01	1/2	49	37.65	10
92-144-01	3/4	76	49.79	10
92-145-01	1	121	65.94	10
92-146-01	1-1/4	195	92.40	5
92-147-01	1-1/2	292	136.05	5
92-148-01	2	473	168.82	2

93 Carbon Steel : Unibody

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
93-101-01	1/4	56	23.13	10
93-102-01	3/8	56	23.13	10
93-103-01	1/2	56	23.13	10
93-104-01	3/4	79	26.64	10
93-105-01	1	127	35.65	10
93-106-01	1-1/4	226	54.36	5
93-107-01	1-1/2	357	75.23	5
93-108-01	2	594	97.73	2

93 Carbon Steel : Unibody

Threaded Ends with 316 SS Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
93-141-01	1/4	56	30.06	10
93-142-01	3/8	56	30.06	10
93-143-01	1/2	56	30.06	10
93-144-01	3/4	79	39.53	10
93-145-01	1	127	47.85	10
93-146-01	1-1/4	226	69.32	5
93-147-01	1-1/2	357	95.22	5
93-148-01	2	594	118.11	2

96 CF8M Stainless Steel Valves : Unibody

Threaded Ends

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
96-101-01	1/4	49	40.71	10
96-102-01	3/8	49	40.71	10
96-103-01	1/2	49	40.71	10
96-104-01	3/4	76	56.44	10
96-105-01	1	121	68.06	10
96-106-01	1-1/4	195	101.20	5
96-107-01	1-1/2	292	152.58	5
96-108-01	2	473	181.20	2

95 Bronze Valves

Threaded Ends : Full Port with Stop and Drain

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
95-103-01	1/2	63	16.55	10
95-104-01	3/4	139	30.82	10
95-105-01	1	170	38.00	10

Solder Ends : Full Port with Stop and Drain

95-203-01	1/2	70	16.55	10
95-204-01	3/4	123	30.82	10
95-205-01	1	190	38.00	10

7A Carbon Steel Body : Dry Chlorine Valves

Threaded Ends with M35-1 Ball and Stem

Part No.	Size (In.)	Wt./100	Price Ea.	Pieces/box
7A-131-26	1/4	125	188.97	10
7A-132-26	3/8	121	188.97	10
7A-133-26	1/2	114	188.97	10
7A-134-26	3/4	211	238.79	10
7A-135-26	1	294	283.77	10
7A-136-26	1-1/4	440	376.20	5
7A-137-26	1-1/2	704	516.23	5
7A-138-26	2	1086	629.87	2

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

60 Bar Stock Valves

Carbon Steel Globe Valves

Part No.	Size (In.)	Ends	Wt./100	Price Ea.
60-100-01	1/8	SE	123	45.78
60-101-01	1/4	SE	123	50.28
60-102-01	3/8	SE	119	51.85
60-103-01	1/2	SE	164	59.43
60-104-01	3/4	SE	334	99.06
60-105-01	1	SE	465	113.78
60-111-01	1/4	MxF	123	52.53
60-112-01	3/8	MxF	119	53.62
60-113-01	1/2	MxF	164	60.31
60-120-01	1/8	SW	123	45.78
60-121-01	1/4	SW	123	50.28
60-122-01	3/8	SW	119	51.85
60-123-01	1/2	SW	164	59.43
60-124-01	3/4	SW	334	99.05
60-125-01	1	SW	405	113.78

Carbon Steel Angle Valves

60-200-01	1/8	SE	60	44.74
60-201-01	1/4	SE	80	48.41
60-202-01	3/8	SE	90	52.25
60-203-01	1/2	SE	120	60.39
60-204-01	3/4	SE	320	117.25
60-205-01	1	SE	500	154.40

60 Bar Stock Valves

316 Stainless Steel Globe Valves

Part No.	Size (In.)	Ends	Wt./100	Price Ea.
60-700-01	1/8	SE	123	84.91
60-701-01	1/4	SE	123	92.01
60-702-01	3/8	SE	119	94.31
60-703-01	1/2	SE	164	115.94
60-704-01	3/4	SE	334	198.91
60-705-01	1	SE	465	253.74
60-711-01	1/4	MxF	123	91.34
60-712-01	3/8	MxF	119	91.34
60-713-01	1/2	MxF	164	115.58
60-720-01	1/8	SW	123	84.91
60-721-01	1/4	SW	123	92.01
60-722-01	3/8	SW	119	94.31
60-723-01	1/2	SW	164	115.94
60-724-01	3/4	SW	334	198.91
60-725-01	1	SW	500	253.74

60 Bar Stock Valves

316 Stainless Steel Angle Valves

Part No.	Size (In.)	Ends	Wt./100	Price Ea.
60-800-01	1/8	SE	60	102.66
60-801-01	1/4	SE	80	114.00
60-802-01	3/8	SE	90	124.89
60-803-01	1/2	SE	120	160.87
60-804-01	3/4	SE	320	377.40
60-805-01	1	SE	500	573.06

Brass Globe Valves

60-900-01	1/8	SE	-	50.97
60-901-01	1/4	SE	-	54.56
60-902-01	3/8	SE	-	54.56
60-903-01	1/2	SE	-	58.50

-02 Panel Mount** For Bar Stock Valves

Size (In.)	Adder
1/8	17.31
1/4	17.86
3/8	17.86
1/2	20.84

**Panel Mount Nuts are Carbon Steel with Melonite® Coating

-03 Lock Bonnet For Bar Stock Valves

Size (In.)	Adder
1/8	16.40
1/4	16.40
3/8	16.40
1/2	18.62
3/4	20.84
1	21.55

-05 Teflon® Packing For Bar Stock Valves

Size (In.)	Adder
1/8	4.16
1/4	4.16
3/8	6.74
1/2	8.63
3/4	11.83
1	21.68

-06 Grafoil Packing For Bar Stock Valves

Size (In.)	Adder
1/8	.98
1/4	.98
3/8	1.05
1/2	1.05
3/4	2.57
1	4.16

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

61 Ball Cone Check Valves

Bronze

Part No.	Size (In.)	Seat
61-100 Series	1/4 - 3 F Threaded	Standard
61-500 Series	1/4 - 2 F Threaded	Soft

Refer to Commercial Price List (CPPL9000) for price and weights

62 Ball Cone Check Valves

316 Stainless Steel

Part No.	Size (In.)	Seat
62-100 Series	1/4 - 2 F Threaded	Standard
62-500 Series	1/4 - 1 F Threaded	Soft

Refer to Commercial Price List (CPPL9000) for price and weights

Special Apollo® Packing Gland Wrench

Part No.	Price
H371400	5.57 ea.

Standard Valves Adders/Options

Adjustable Stop Lever Kits

70 SERIES	82 SERIES	Kit#	Adder
1/4" - 1/2"	1/4" - 3/8"	78-565-01	2.86
3/4" - 1"	1/2" - 3/4"	78-566-01	4.60
1-1/4" - 2"	1" - 2"	78-567-01	7.37

Balancing Stops : Bronze Only

Add \$1.32 per Valve

-02 Grounded Stem

Stem Grounded Only .69

-03 1-1/4" CS Extended Stem

70 SERIES	82 SERIES	Adder
1/4" - 1/2"	1/4" - 3/8"	3.92
3/4" - 1"	1/2" - 3/4"	4.60
1-1/4" - 2"	1" - 1-1/4"	5.29
2-1/2" - 3"	1-1/2" - 2"	9.03

-04 2-1/4" CS Extended Stem

70 SERIES	82 SERIES	
1/4" - 1/2"	1/4" - 3/8"	5.28
3/4" - 1"	1/2" - 3/4"	6.51
1-1/4" - 2"	1" - 1-1/4"	7.95
2-1/2" - 3"	1-1/2" - 2"	10.48

-05 Plain Ball : Unplated

No additional charge

-07 Steel Tee Handle

No additional charge [See -32 for SS]

-08 90° Reversed Stem [N/A Flanged Valves]

\$3.31 Adder

-10 SS Lever and Nut

70, 73A SERIES	82 SERIES	75 SERIES	Adder
1/4"-1/2"	1/4"-3/8"	—	1.54
3/4"-1"	1/2"-3/4"	—	2.52
1-1/4"-2"	1"-1-1/4"	—	3.23
2-1/2"-3"	1-1/2"-2"	1/2"-1"	4.54
		1-1/4"-2"	7.20

72-100	73-300	73-400	93-100	Adder
—	—	—	1/2"-3/4"	2.32
—	—	—	1/2"-3/4"	2.76
—	—	—	1"	4.54
—	—	—	1-1/4", 11/2"	6.81

-14 Vented Ball (Unidirectional)

Hole in upstream side of the ball (Bronze or SS ball only)

Size (In.)	Adder
Bronze Ball, thru 1-1/2	1.00
Stainless Steel, thru 1-1/2	3.64
2 Bronze or SS	4.84
3, 4 Valves	40.15

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

-15 Steel Round Handle

70, 73A				
76, 85	82	91, 92	KIT #	Adder
89		96		
1/4"-1/2"	1/4"-3/8"	1/4"-3/4"	H-2548-00	4.59
3/4"-1"	1/2"-3/4"	1"-1-1/4"	H-2549-00	4.98
1-1/4"-2"	1"-2"	1-1/2"-2"	H-2605-00	9.18

Round Handles-Additional Valve Series

73-300	93-100	KIT #	Adder
—	1/2"-3/4"	H-2567-00	5.36
1/2"-3/4"	1"-1-1/4"	H-2568-00	6.58
1"	1-1/2"	H-2606-00	9.18

-16 Vertical Chain Lever for Standard Apollo®

(Chain not included)

Size (In.)	KIT #	Adder
3/4 - 1	78-407-01	5.97
1-1/4 - 2	78-408-01	8.47

-17 Rough Chrome Plated Exterior

Bronze Valves Only

Size (In.)	Adder
1/4-1	4.05
1-1/4-2	7.95
2-1/2-3	15.67

-18 Plain Grip

No additional charge

-19 Lock Plate

72-100 Series	Conversion Kits	Adder
1/2" - 3/4"	78-499-01	16.82
1"	78-500-01	16.82
1-1/4" - 1-1/2"	78-480-01	16.59
2"	78-502-01	18.95

93-100 Series	Conversion Kits	Adder
3/4"	78-477-01	13.92
1"- 1-1/4"	78-478-01	13.92
1-1/2"	78-479-01	16.07
2"	78-480-01	16.59

76-100 Series	Conversion Kits	Adder
89-100 Series		
1/4"-1/2"	78-426-01	15.21
3/4"-1"	78-427-01	16.29
1-1/4"-2"	78-428-01	20.55

-21 UHMWPE Seats : Graphite Stem Packing

70, 76			Adder
72, 73A	82		
1/4"-1"	1/4"-1"		14.55
1-1/4"-3"	1-1/4"-2"		24.75

-24 Graphite Stem Packing : Standard Apollo®

Thread & Sweat	Adder
1/4"-1"	1.70
1-1/4"-3"	3.44

-27 SS Latch Lock Lever

70, 73A				
76, 89	77	82	Kit #	Adder
1/4"-1/2"	1/4"-1/2"	—	W-6482-00	3.43
3/4"-1"	3/4"	1/2", 3/4"	W-6483-00	3.43
1-1/4"-2"	1"-1-1/4"	1", 1-1/4"	W-6484-00	3.43
2-1/2"-3"	1-1/2"-2 1/2"	1-1/2"-2"	W-6836-00	10.17
4"	—	2-1/2"	W-8075-00	41.75

-30 Cam Lock Handle and Ground Stem

70, 73A				
71, 76	77	9A, 91	82	Adder
89		92, 96		
1/4"-1/2"	1/4"-1/2"	1/2"-3/4"	1/4"-3/8"	18.93
3/4"-1"	3/4"	1"-1-1/4"	1/2"	22.56
1-1/4"-2"	1"-2"	1-1/2"-2"	—	26.20

-32 SS Hi-Rise Tee Handle

Complete with SS Nut

Size (In.)	Adder
1/4-1/2	3.23
3/4-1	3.59
1-1/4-2	6.30

-33 76-300/400

Drilled and Threaded for Actuator Mounting

\$7.28 Adder

-35 Virgin TFE (PTFE) Trim

70, 76, 82-100	
Size (In.)	Adder
1/4-1	.62
1-1/4-2	1.18
2-1/2-4	1.84

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

-39 SS Hi-Rise, Locking SS Round Handle		
70, 73A, 76 & 89	82	Adder
1/4-1/2	1/4-3/8	13.10
3/4-1	1/2-3/4	13.10
1-1/4-2	1, 1-1/4	20.38

-40 Cyl-Lock Handle & Ground Stem				
70, 71, 73A	77	9A, 91	82	Adder
1/4"-1/2"	1/4"-1/2"	3/4"	1/4"-3/8"	52.00
3/4"-1"	3/4"	1"-1-1/4"	1/2"	58.12
1-1/4"-2"	1"-1-1/4"	1-1/2"-2"	—	68.81

-44 Seal Welded	
76-100	Adder
1/4"-3/8"	P.O.A.
1/2"-1"	16.03
1-1/2"-2"	20.38

-45 Less Lever and Nut	
No additional charge.	

-46 SS Latch Lock Lever : Lock in Closed Position					
70, 73A	7K	82	91-100	KIT #	Adder
1/4"-1/2"	1/4"-1/2"	—	1/2"-3/4"	W-8368-00	17.47
3/4"-1"	3/4"	1/2", 3/4"	1", 1-1/4"	W-8370-00	17.47
1-1/4"-2"	1"-1-1/4"	1", 1-1/4"	1-1/2", 2"	W-8372-00	17.47
2-1/2"-3"	1-1/2"-2-1/2"	1-1/2"-2"	—	W-8374-00	29.13

-47 Latch Lock Oval Handle : SS Nut				
70, 71, 73A,	77	9A, 91	82	Adder
1/4"-1/2"	1/4"-1/2"	1/4"-3/4"	18.93	
3/4", 1"	3/4"	1", 1-1/4"	18.93	

-48 SS Oval Handle : No Latch : SS Nut						
70, 71, 73A	77	9A, 91	82	92, 96	Handle	Adder
1/4"-1/2"	1/4"-1/2"	1/4", 3/8"	1/4"-3/4"	H-3031-00	15.29	
3/4", 1"	3/4"	1/2", 3/4"	1", 1-1/4"	H-3032-00	15.29	
1-1/4"-2"	1"-2"	1"-2"	1-1/2", 2"	H-3033-00	22.93	

-49 Assembled Dry	
Threaded & Sweat	
No additional charge.	

-50 2-1/4" CS Stem Extension : Locking				
70, 73A	82	91	KIT #	Adder
1/4"-1/2"	1/4", 3/8"	3/4"	78-001-01	20.38
3/4", 1"	1/2", 3/4"	1", 1-1/4"	78-002-01	20.38
1-1/4"	1"-1-1/4"	1-1/2", 2"	78-003-01	30.58
1-1/2", 2"	—	—	78-004-01	30.58
2-1/2", 3"	1-1/2", 2"	—	78-005-01	30.58

-56 Multifill [MTFE] Seats	
Size (In.)	Adder
1/4-1 Valves	1.61
1-1/4-2 Valves	2.63
2-1/2-3 Valves	13.40

-57 Oxygen Cleaned	
<i>Bronze and stainless valves only</i>	
Size (In.)	Adder
1/4-2	8.49
2-1/2-4	25.33

-58 Horizontal Chain Lever for Standard Apollo		
<i>(Chain not included)</i>		
Size (In.)	KIT #	Adder
3/4-1	78-407-01	5.97
1-1/4-2	78-408-01	8.47

-59 Stainless Steel External Trim	
<i>82 series for levers, tie bolts and nuts</i>	
Size (In.)	Adder
1/4-3/8	5.08
1/2-3/4	6.39
1-1-1/4	13.40
1-1/2- 2	17.47

-60 Grounded Ball and Stem	
Threaded and Sweat	Adder
1/4"-3"	4.83
<i>Carbon steel valves must have stainless steel ball & stem.</i>	

-62 Center Section for 3-PC & Double Union Valves	
Consult customer service.	

-63 NPT x Solder/Socket Weld	
Consult customer service.	
No additional charge.	

Ball Valves

BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

-64 250 Lb. Steam Trim

70-140, 72-140, 72-940, 73A-140, 89-140, and 76-100 Series

1/4-3/8	6.80
1/2	6.81
3/4	6.81
1	6.81
1-1/4	11.87
1-1/2	11.87
2	11.87
2-1/2	13.55
3	13.55

Must have SS ball and stem

-67 Cleaned for Industrial Gases

Size (In.)	Adder
1/4-2	8.49
2-1/2-3	25.33

-78 Delrin®/Acetal Seats

72, 73-300/400, 76-300/400

Size (In.)	Adder
1/2-1	93.20
1-1/4 - 2	109.21

-79 Nylon/Polyamide Seats

72, 73-300/400, 76-300/400

Size (In.)	Adder
1/2-1	93.20
1-1/4 - 2	109.21

Replacement Seal Kits

70, 71, 73A, 74, 76, 89, & 399 Series (Except 3-Way)

Size (In.)	Kit No.	Price Each
1/4-3/8	70-002-01	3.54
1/2	70-003-01	3.54
3/4	70-004-01	6.10
1	70-005-01	8.66
1-1/4	70-006-01	13.76
1-1/2	70-007-01	17.80
2	70-008-01	24.86
2-1/2, 3	70-009-01	36.32
2-1/2 (70 Series Only)	78-020-01	26.54
4	70-00A-01	55.56

70-600 & 76-600 Series

1/2	70-003-01	3.54
3/4	70-004-01	6.10
1	90-006-01	13.76
1-1/4	70-006-01	13.76
1-1/2	70-007-01	17.80
2	70-008-01	24.86

Replacement Seal Kits

77-100 & 77-200 Series

1/4-3/8	70-003-01	3.54
1/2	70-003-01	3.54
3/4	90-006-01	13.76
1	90-007-01	17.80
1-1/4	70-007-01	17.80
1-1/2	70-008-01	24.86
2	78-020-01	26.54
2-1/2	70-009-01	36.32

75-100 Series

1/4-1/2	70-003-01	3.54
3/4-1	70-005-01	8.66
1-1/4	70-006-01	13.76
1-1/2	70-007-01	17.80
2	70-008-01	24.86

73-300, 73-400, 76-300 & 76-400 Series

1/4-1/2	73-033-01	5.06
3/4	73-034-01	7.21
1	73-035-01	11.46
1-1/4	73-036-01	14.83

73-300, 73-400, 76-300 & 76-400 Series (cont'd)

Size (In.)	Kit No.	Price Each
1-1/2	73-037-01	20.76
2	73-038-01	26.90

72-100 & 72-900 Series

1/4-1/2	72-003-01	5.06
3/4	72-004-01	7.21
1	72-005-01	11.46
1-1/4	72-006-01	14.83
1-1/2	72-007-01	20.76
2	72-008-01	26.90

82-100, 82-200, 83-100, 83-200, 86-100, 86-200, 83-700, 86-700 Series

(For 85 Series Use One Size Smaller Kit)

1/4-3/8	82-002-01	4.05
1/2	82-003-01	6.10
3/4	82-004-01	8.66
1	82-005-01	13.76
1-1/4	82-006-01	17.80
1-1/2	82-007-01	24.86
2	82-008-01	32.37
2-1/2	82-009-01	33.51
3	82-000-01	35.90
3	86-000-01	38.88
4	82-00A-01	37.82

83R-100, 83R-200, 86R-100, 86R-200 Series

3	83R-000-01	132.53
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BOLD valves sold in box quantities only.

We reserve the right to adjust box quantities.

Replacement Seal Kits

83-500, 83-600, 86-500 & 86-600 Series

(83-300 & 400 Series Use One Size Smaller)

1/4-3/8	83-052-01	3.69
1/2	83-053-01	5.60
3/4	83-054-01	7.94
1	83-055-01	12.64
1-1/4	83-056-01	16.34
1-1/2	83-057-01	22.84
2	83-058-01	29.64

90, 91, 92, 93, 9A & 96 Series

1/4-1/2	90-003-01	4.05
3/4	90-004-01	6.10
1	90-005-01	8.66
1-1/4	90-006-01	13.76
1-1/2	90-007-01	17.80
2	90-008-01	24.86

Additional Services

Tagging

Consult with Apollo® Sales Agent for details and limitations

A. Paper Tags	\$1.00 net ea.
B. Soft Aluminum Tags	\$2.00 net ea.
C. Stainless Steel Tags	\$3.50 net ea.
D. Customer Supplied Tags	\$1.00 net ea.

\$25.00 minimum billing

Documentation

Certificate of Compliance on Conbraco Form : NO ADDITIONAL CHARGE if requested at time of order.

Mill Test Report (MTR)

\$25.00 net per line; also available at www.apollovalves.com at no additional charge.

Positive Material Identification (PMI)

Adder

MP - With Report	3-PC	\$63.00 List Ea.
	All Others	\$52.50 List Ea.

Testing to API 598 (Hydrostatic Testing)

Adder

TH Test - Hydrostatic	\$12.60 List Ea.
TC Test - Hydrostatic w/Certified Report	\$26.25 List Ea.
TW Test - Hydrostatic w/Certified Report & Witnessed	\$42.00 List Ea.

Flange Valves are tested to API-598 as standard but does not include report or witnessing of the test.

GENERAL INFORMATION ON PRICING

Please note that throughout our price list some products are listed P.O.A. (Price On Application). This is to eliminate a confusing and lengthy price list. For example, we can supply bodies in various alloys. We can also supply many different options. In addition to the above, we can also supply fabricated products to your specifications. Special handling fee for same day shipment \$20.

Conbraco offers special coatings and galvanized coating. Please contact the factory for pricing.

TERMS AND CONDITIONS OF SALE

Payment: 2% 10th prox. Net 30 days.

All prices F.O.B. shipping point with freight allowed on shipments of 750 pounds and/or \$5,000 net minimum to all shipping points within the United States excluding Alaska and Hawaii. No freight allowed on Air Freight or Parcel Post shipments. Claims for shortages must be made within 10 days of receipt of material. Our responsibility ends when a delivery receipt is furnished us by the carrier.

No invoice rendered For Less than \$50.00.

No freight will be allowed on Air Freight, Air Express, Parcel Post or U.P.S. shipments.

Other Conbraco products may be combined with ball valves to make sufficient weight for full freight allowance.

Phone order quoted prices are subject to correction. Prices and designs are subject to change without notice.

Orders for material of special design or specification are made to customer's order and are not subject to cancellation or return.

All goods returned to us will not be accepted unless a full explanation has been made and our written authorized permission obtained. All goods returned - if accepted - will be credited at invoice price, less 30% for service and rehandling charges, plus shipping expenses.

We reserve the right to adjust orders to box quantities.

WARRANTY & LIMITATIONS OF LIABILITY

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 two years 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.

THIS 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 expressed 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 TO 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, EXCEPT AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE GOODS UPON WHICH SUCH LIABILITY IS BASED.

Ball Valve 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	B. Lynch & Associates	Florida	sales@blynchandassociates.com	813-792-5060	813-792-5213
	Spotswood Associates	Georgia/Alabama	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	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	HEBCO, Inc.	Kansas/Missouri-West	kcwinelvr@aol.com	913-491-0797	913-491-5126
	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	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
	Formation Sales	Minnesota/North & South Dakota/Wisconsin-West	dean@formationsales.com	763-420-6900	763-420-6993
	Midwest Spec	Ohio-North/Pennsylvania-West/West Virginia-West	glsales@mwspec.com	330-538-0406	330-538-0410
Western Region	Elmco and Associates	California-North	kkleinen@elmcoassoc.com	916-383-0110	916-383-0181
	Elmco Duddy	California-South	tduddy@elmcoduddy.com	626-333-9942	626-855-4811
	Elmco Ellison (Div. of Elmco Duddy)	California-South (Ind'l Specialists: ball valves, actuation)	kellison@elmcoellison.com	714-935-9533	714-935-9503
	SPEC Management	Hawaii	msmarch4@cox.net	949-481-4225	949-487-0990
	Marshall-Rodeno Associated	CO/WY/MT/NE/IA/ID-SE/UT/NV-NE/NM/El Paso-TX	trodeno@marshallrodeno.com	303-575-6701	303-575-6706
	Braley-Gray & Associates	Oregon/SW Washington/Western Idaho	sales@braleygray.com	503-249-6972	503-288-4464
	Braley-Gray Washington	Alaska/Washington	info@braleygray.com	206-405-4370	206-405-4390
	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	160 Pennsylvania Ave., Unit 3, Concord, Ontario L4K 4A9	conbraco.canada@conbraco.com	905-761-6161	905-761-6666
Int'l./ Puerto Rico	Sadek Trading	Middle East (ex 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	donna.bult@conbraco.com	954-252-9781	954-252-8698
		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