

"Apollo"<sup>®</sup>

# BALL VALVE PRICE LIST

BVPL9000  
EFFECTIVE 11JUN18

**BRONZE BALL VALVES**

70 Series..... 6-7  
 70B Series.....8  
 70-HC Series.....8  
 70LF Series..... 9  
 70LF-HC Series.....10  
 71 Series .....10  
 75 Series .....13  
 77 Series .....16  
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 77CLF-A Series ..... 20-22  
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 7K Series.....24  
 78 Series .....23  
 79 Series.....24  
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 73A Series..... 11  
 73 Series ..... 12  
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BALL VALVES**

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BALL VALVES**

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All prices on this listing are subject to change without notice. While we make every effort to provide you the most accurate, up-to-date information, occasionally, one or more items on the listing may be incorrectly priced. Where a product is listed at an incorrect price due to typographical, photographic, or technical error or error in pricing information received from our suppliers, Apollo Flow Controls shall have the right to refuse or cancel any orders placed for product listed at the incorrect price.



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 FIVE years from the date of delivery to you, our initial purchaser. This warranty applies to Apollo brand product with "Made in the USA" markings only.

Should any failure to conform to this warranty appear within **FIVE** 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.

APOLLO INTERNATIONAL PRODUCTS: Conbraco Industries, Inc. warrants its International products, to its initial purchaser only, that its international 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.

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.

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\* It is the end user's responsibility to confirm that items intended for use satisfy local codes and standards.

**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 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.
- All Conbraco products may be combined 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 or 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 in advance. 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.



THROUGHOUT THIS CATALOG, PRODUCTS THAT ARE CERTIFIED **LEAD FREE\*** OR HAVE A **LEAD FREE\*** OPTION WILL BE IDENTIFIED WITH THESE LOGOS.

\*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

Conbraco Industries offers a wide range of Apollo® products for potable and non-potable applications. When the use of lead free valves is required by code, specification or legislation, it is the sole responsibility of our customers to ensure that only lead free Apollo® products are installed in systems intended for potable water service. Further information related to our product offering and the U.S. Safe Drinking Water Act (SDWA) is available at [www.apollovalves.com/lead\\_free](http://www.apollovalves.com/lead_free) or by contacting Conbraco Customer Service.

\*\*Imported products may be identified as "Apollo International™" or "Conbraco International™" .

**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	<b>APOLLO &amp; SATURN VALVES</b>	3 - CU-NI BALL & STEM	1 - 1/4"
70LF - LEAD FREE BRONZE	1 - NPT FEMALE	4 - SS BALL & STEM	2 - 3/8"
71 - BRONZE WITH PADS	2 - SOLDER/SOCKET WELD	9 - PINNED RETAINER	3 - 1/2"
72 - CARBON STEEL, BAR STOCK	3 - UNION END NPT		4 - 3/4"
72-A - CARBON STEEL, A105 FORGED BODY	4 - UNION END/SOLDER SOCKET WELD		5 - 1"
73 - CARBON STEEL	5 - SPRING RETURN HANDLE		6 - 1-1/4"
73A - A105 CARBON STEEL	6 - 3-WAY NPT		7 - 1-1/2"
74 - NICKEL	7 - FULL PORT REFRIDGERATION VALVES		8 - 2"
75 - PAD-LOCKING BRONZE	8 - MALE X FEMALE NPT		9 - 2-1/2"
76 - CF8M STAINLESS STEEL	9 - 3-WAY SOLDER/O-RING BOSS		0 - 3"
76F - CF8M STAINLESS STEEL, FULL PORT			A - 4"
77 - BRONZE FULL PORT	<b>APOLLO 3 PIECE VALVES</b>		C - 6"
77C-A - BRONZE FULL PORT CONTRACTOR GRADE	1 - NPT FEMALE		E - 8"
77CLF-A - LEAD FREE BRONZE FULL PORT CONTRACTOR GRADE	2 - SOLDER/SOCKET WELD		G - 10"
77C-UL-A - BRONZE FULL PORT UL TRIM & DRAIN	3 - SCH. 5 BUTTWELD 83 & 86 SERIES		H - 12"
77F* - FORGED BRASS FULL PORT	4 - SCH. 10 BUTTWELD 83 & 86 SERIES		
77FLF* - LEAD FREE FORGED BRASS FULL PORT	5 - SCH. 40 BUTTWELD 83 & 86 SERIES		
77G-UL - BRONZE FULL PORT UL/CSA GAS	6 - SCH. 80 BUTTWELD 83 & 86 SERIES		
77V† - FORGED BRASS PRESS DESIGN			
77VLF† - LEAD FREE FORGED BRASS PRESS DESIGN	<b>FLANGED VALVES</b>		
77W† - BRONZE PRESS DESIGN	1 - CLASS 150 STANDARD PORT		
77WLF† - LEAD FREE BRONZE PRESS DESIGN	2 - CLASS 150 FULL PORT		
78 - SPECIAL VALVES	3 - AAR VALVES		
79 - REFRIGERANT VALVES	4 - CLASS 150 STANDARD PORT ALLOY 20 (87A)		
7A - CHLORINE CARBON STEEL	5 - CLASS 150 FULL PORT ALLOY 20 (87A)		
7K - BRONZE FULL PORT DRAIN	6 - CLASS 300 FULL PORT ALLOY 20		
80 - BRONZE, UL LISTED	7 - CLASS 300 STANDARD PORT		
82 - BRONZE 3-PIECE FULL PORT	8 - CLASS 300 STANDARD PORT ALLOY 20		
82LF - LEAD FREE BRONZE 3-PIECE FULL PORT	9 - CLASS 300 FULL PORT		
83A - CS 3-PIECE 1500 LB FULL PORT	F - CLASS 600 FULL PORT		
83B - CS 3-PIECE 600 CLASS FULL PORT			
86A - SS 3-PIECE, 1500 LB FULL PORT			
86B - SS 3-PIECE, 600 CLASS FULL PORT			
87A - CF8M SS FLANGED			
87A-400 - ALLOY 20 FLANGED			
87B - CF8M SS FLANGED UNIBODY			
88A - CARBON STEEL FLANGED			
88B - CARBON STEEL FLANGED UNIBODY			
89 - CAST CARBON STEEL W/PADS			
9A - BRONZE, HEAVY PATTERN, UNIBODY			
90 - BRONZE, UNIBODY UL LISTED			
92 - CAST CARBON STEEL UNIBODY			
93 - CS UNIBODY			
94A* - ECONOMY FORGED BRASS			
94ALF* - ECONOMY LEAD FREE FORGED BRASS			
95ALF* - LEAD FREE BRASS STOP & WASTE			
96 - CF8M SS UNIBODY			
399 - ALLOY-20 NPT			

\*Refer to CPPL Commercial Price List  
†Refer to XPVI Press Valves Price List

**NOTE: NOT ALL OPTIONS AND COMBINATIONS AVAILABLE ON ALL SIZES AND SERIES. CONSULT WITH A CUSTOMER SERVICE.**

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DESIGN	
-1 - STANDARD CONFIGURATION	-51 - ONE TACK WELD
-2 - STEM GROUNDED	-52 - TWO TACK WELDS
-4 - 2-1/4" CS STEM EXTENSION	-53 - THREE TACK WELDS
-5 - PLAIN BALL	-54 - FOUR TACK WELDS
-7 - STEEL TEE HANDLE	-56 - MULTIFILL (MPTFE) SEATS AND PACKING
-8 - 90° REVERSED STEM	-57 - OXYGEN CLEANED (BRONZE & SS ONLY)
-9 - SS LEVER (OBSOLETE)	-58 - CHAIN LEVER, HORIZONTAL
-10 - SS LEVER & NUT	-59 - SS EXTERNAL TRIM (3-PC VALVES)
-11 - THERMA-SEAL™ INSULATING T-HANDLE	-60 - GROUNDED BALL & STEM
-12 - STAMPED "157 SWP" & BAGGED	-62 - BODY CENTER SECTION
-13 - STAMPED "157 SWP"	-63 - NPT X SOLDER/SOCKET WELD
-14 - SIDE VENTED BALL (UNI-DIRECTIONAL)	-64 - 250 LB. STEAM TRIM
-15 - WHEEL HANDLE, STEEL	-65 - MULTIFILL SEATS AND GRAPHITE PACKING
-16 - CHAIN LEVER, VERTICAL	-66 - FNPT X BUTTWELD
-17 - ROUGH CHROME PLATE (BRONZE VALVES)	-67 - CLEANED FOR INDUSTRIAL GASES
-18 - PLAIN YELLOW GRIP	-68 - 4" STEM EXTENSION (3" & 4" 3-PC. 82 SERIES) (OBSOLETE)
-19 - WITH LOCK PLATE	-69 - PURGE PORTS DRILLED/TAPPED @ BOTTOM & APPROX 45° FROM TOP
-20 - SLOT VENTED BALL (BI-DIRECTIONAL) (BRONZE VALVES)	-70 - 4" EXTENDED BONNET
-21 - UHMWPE TRIM (NON-PTFE)	-72 - RTFE PACKING
-22 - VITON UNION SEALS	-73 - TFE PACKING   SPIRAL WOUND BODY SEALS   TFE FILLERS   FLANGE BV
-23 - TANK FLANGE (2" 3-PC. VALVES ONLY)	-74 - GRAPHITE PACKING   SPIRAL WOUND BODY SEALS   GRAPHOIL FILLERS   FLANGE BV
-24 - GRAPHITE PACKING	-75 - MPTFE SEATS, PTFE PACKING, RPTFE GASKETS
-26 - CHEVRON PKG., VENT ASSEMBLED. DRY MONEL TRIM (7A)	-76 - LIVE LOADED 87A/88A SERIES (LEVER)
-27 - SS LATCH LEVER & NUT	-77 - LIVE LOADED 87A/88A SERIES (GEAR & ACTUATED)
-29 - GRAPHITE PACKING & SEALS	-78 - DELRIN SEATS
-30 - CAM-LOCK AND GROUNDED STEM	-79 - NYLON SEATS/GRAPHITE PACKING 72 SERIES AND 72-A
-31 - 7B SERIES W/BOSS NOT DRILLED/TAPPED	-80 - MULTI-SEAL (SUPER TFE) 87A/88A SERIES
-32 - SS HI-RISE TEE HANDLE & NUT	-90 - EXTENDED BONNET WITH DOUBLE PACKING
-33 - 76-300 SERIES W/PAD DRILLED/TAPPED	-9P - EXTENDED BONNET WITH DOUBLE PACKING AND PORT
-35 - VTFE TRIM	-92 - BALANCING STOP (MEMORY STOP)
-36 - SS HI-RISE ROUND HANDLE, SS NUT	-94 - 2-1/4" EXTENDED STEM & BALANCING STOP (MEMORY STOP)
-38 - PEEK SEATS & BEARING (GRAPHITE PACKING & SEALS)	-97 - GRND. WHL. HANDLE, PINNED OR TACK WELDED
-39 - SS HI-RISE LOCKING WHEEL HANDLE, SS NUT	-98 - GRND. WHL. PINNED OR TACK WELDED & 1-1/4" STEM EXT.
-40 - CYL-LOC AND GROUNDED STEM	-AR - ACTUATOR READY
-41 - AUTO. DRAIN (BRONZE VALVES ONLY)	-BC - BALL CHECK
-42 - NON-VENTED BALL, NO HOLE IN SLOT (CS AND SS)	-MG - GEAR OPERATED, STD. HAND WHEEL
-44 - SEAL WELD 76-100 ONLY	-MH - GEAR OPERATED, STD. HAND WHEEL, LOCKOUT DEVICE
-45 - LESS LEVER & NUT	-MJ - GEAR OPERATED, OVERSIZE HAND WHEEL
-46 - SS LATCH LOCK LEVER, LOCK IN CLOSED POSITION ONLY	-MK - GEAR OPERATED, OVERSIZE HAND WHEEL, LOCKOUT DEVICE
-47 - SS OVAL LATCH LOCK HANDLE, SS NUT	-P01 - BSPP (PARALLEL) THREAD CONNECTION
-48 - SS OVAL HANDLE, NO LATCH, SS NUT	-T01 - BSPT (TAPERED) THREAD CONNECTION
-49 - ASSEMBLED DRY	
-50 - 2-1/4" CS LOCKING STEM EXTENSION	

**70 SERIES  
BRONZE BALL VALVE  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010101	1/4"	60	\$21.27	10
7010201	3/8"	56	\$21.27	10
7010301	1/2"	63	\$21.27	10
7010401	3/4"	139	\$35.09	10
7010501	1"	172	\$44.17	10
7010601	1-1/4"	326	\$74.12	5
7010701	1-1/2"	461	\$94.65	5
7010801	2"	606	\$118.60	2
7010901A	2-1/2"	1725	\$559.57	1
7010001	3"	1860	\$645.62	1
7010A01	4"	2550	\$853.07	1

**THREADED ENDS W/ (-27) SS LATCH LOCK LEVER**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010127	1/4"	60	\$27.03	10
7010227	3/8"	56	\$27.03	10
7010327	1/2"	63	\$27.03	10
7010427	3/4"	139	\$40.85	10
7010527	1"	172	\$49.91	10
7010627	1-1/4"	326	\$79.86	5
7010727	1-1/2"	461	\$100.41	5
7010827	2"	606	\$124.35	2
7010927A	2-1/2"	1725	\$576.66	1
7010027	3"	1860	\$662.66	1

**THREADED ENDS W/ (-41) AUTO DRAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010141	1/4"	60	\$24.35	10
7010241	3/8"	56	\$24.35	10
7010341	1/2"	63	\$24.35	10
7010441	3/4"	139	\$38.17	10
7010541	1"	172	\$50.34	10
7010641	1-1/4"	326	\$85.05	5
7010741	1-1/2"	461	\$105.94	5
7010841	2"	606	\$130.30	2
7010941A	2-1/2"	1396	\$627.85	1

**THREADED ENDS W/ (-27) LATCH LOCK & (-41) AUTO DRAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010141	1/4"	60	\$24.35	10
7010241	3/8"	56	\$24.35	10
7010341	1/2"	63	\$24.35	10
7010441	3/4"	139	\$38.17	10
7010541	1"	172	\$50.34	10
7010641	1-1/4"	326	\$85.05	5
7010741	1-1/2"	461	\$105.94	5
7010841	2"	606	\$130.30	2
7010941A	2-1/2"	1396	\$627.85	1

**THREADED ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7014101	1/4"	59	\$31.91	10
7014201	3/8"	55	\$31.91	10
7014301	1/2"	62	\$31.91	10
7014401	3/4"	137	\$59.05	10
7014501	1"	171	\$71.49	10
7014601	1-1/4"	320	\$118.69	5
7014701	1-1/2"	453	\$159.76	5
7014801	2"	588	\$211.10	2
7014901A	2-1/2"	1703	\$855.76	1
7014001	3"	1825	\$989.75	1
7014A01	4"	2550	\$1,303.90	1

**SOLDER ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7020201	3/8"	63	\$21.27	10
7020301	1/2"	71	\$21.27	10
7020401	3/4"	144	\$35.09	10
7020501	1"	191	\$44.17	10
7020601	1-1/4"	295	\$74.12	5
7020701	1-1/2"	399	\$94.65	5
7020801	2"	571	\$118.60	2
7020901A	2-1/2"	1553	\$570.22	1
7020001	3"	1674	\$657.92	1
7020A01	4"	2480	\$869.32	1

**SOLDER ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7024201	3/8"	54	\$32.52	10
7024301	1/2"	70	\$31.91	10
7024401	3/4"	134	\$59.05	10
7024501	1"	175	\$71.49	10
7024601	1-1/4"	312	\$120.95	5
7024701	1-1/2"	391	\$162.80	5
7024801	2"	563	\$215.12	2
7024901A	2-1/2"	1725	\$855.76	1
7024001	3"	1674	\$989.75	1
7024A01	4"	2480	\$1,303.90	1

**THREADED ENDS - SINGLE UNION**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7030101	1/4"	86	\$30.82	10
7030201	3/8"	84	\$30.82	10
7030301	1/2"	99	\$32.16	10
7030401	3/4"	191	\$54.62	10
7030501	1"	242	\$73.77	10
7030601	1-1/4"	427	\$125.37	5
7030701	1-1/2"	582	\$156.92	5
7030801	2"	855	\$249.63	2

**70 SERIES**

**BRONZE BALL VALVE**

**SOLDER ENDS - SINGLE UNION**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7040201	3/8"	85	\$30.82	10
7040301	1/2"	102	\$32.77	10
7040401	3/4"	193	\$55.66	10
7040501	1"	242	\$75.18	10
7040601	1-1/4"	411	\$127.76	5
7040701	1-1/2"	544	\$159.91	5
7040801	2"	777	\$249.63	2

**THREADED ENDS - MALE x FEMALE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7080101	1/4"	63	\$25.42	10
7080201	3/8"	60	\$25.42	10
7080301	1/2"	72	\$25.42	10
7080401	3/4"	142	\$40.52	10
7080501	1"	193	\$57.86	10
7080601	1-1/4"	319	\$92.70	5
7080701	1-1/2"	460	\$113.33	5

**THREADED ENDS - 3 WAY**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7060101	1/4"	91	\$38.58	6
7060201	3/8"	88	\$38.58	6
7060301	1/2"	76	\$38.58	6
7060401	3/4"	165	\$53.24	6
7060501	1"	215	\$70.51	6
7060601	1-1/4"	385	\$111.46	5
7060701	1-1/2"	522	\$130.12	5
7060801	2"	620	\$187.30	2

**THREADED ENDS - 3 WAY W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7064101	1/4"	91	\$50.17	6
7064201	3/8"	88	\$50.17	6
7064301	1/2"	76	\$49.23	6
7064401	3/4"	165	\$78.67	6
7064501	1"	215	\$99.73	6
7064601	1-1/4"	385	\$171.38	5
7064701	1-1/2"	522	\$198.97	5
7064801	2"	620	\$285.17	2

**THREADED ENDS WITH (-27) LATCH LOCK & (-41) AUTOMATIC DRAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
701012741	1/4"	60	\$30.12	10
701022741	3/8"	64	\$30.12	10
701032741	1/2"	63	\$30.12	10
701042741	3/4"	140	\$44.00	10
701052741	1"	173	\$56.09	10
701062741	1-1/4"	326	\$89.23	5
701072741	1-1/2"	461	\$109.78	5
701082741	2"	606	\$133.69	2
701092741A	2-1/2"	1725	\$645.17	1
701002741	3"	1870	\$682.34	1

**SOLDER ENDS - 3 WAY**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7090301	1/2"	76	\$39.87	6
7090401	3/4"	165	\$56.00	6
7090501	1"	215	\$72.37	6



**70B SERIES**

**B31.1 POWER PIPING BRONZE BALL VALVE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70B14164	1/4"	60	\$49.81	1
70B14264	3/8"	56	\$49.81	1
70B14364	1/2"	63	\$49.81	1
70B14464	3/4"	139	\$79.06	1
70B14564	1"	172	\$94.97	1
70B14664	1-1/4"	326	\$145.21	1
70B14764	1-1/2"	461	\$189.04	1
70B14864	2"	606	\$241.47	1

**70HC SERIES**

**BRONZE BALL VALVE - HOSE THREAD  
THREADED END W/ HOSE CAP & CHAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70103HC	1/2" NPT X 3/4" Hose	63	\$35.44	10
70104HC	3/4" NPT X 3/4" Hose	139	\$50.04	10
70105HC	1" NPT X 3/4" Hose	175	\$64.63	10

**SOLDER END W/ HOSE CAP & CHAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70203HC	1/2" SOL X 3/4" Hose	71	\$35.44	10
70204HC	3/4" SOL X 3/4" Hose	144	\$50.04	10
70205HC	1" SOL X 3/4" Hose	195	\$64.63	10

**STAINLESS STEEL TRIM W/ HOSE CAP & CHAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70143HC	1/2" NPT x 3/4" Hose	63	\$45.99	1
70144HC	3/4" NPT x 3/4" Hose	139	\$73.82	1
70145HC	1" NPT x 3/4" Hose	175	\$91.80	1
70243HC	1/2" Solder x 3/4" Hose	63	\$45.97	1
70244HC	3/4" Solder x 3/4" Hose	139	\$73.78	1
70245HC	1" Solder x 3/4" Hose	175	\$96.00	1

**70LFHC SERIES**

**BRONZE BALL VALVE - HOSE THREAD  
THREADED END W/ HOSE CAP & CHAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF143HC	1/2" NPT x 3/4" Hose	63	\$58.24	1
70LF144HC	3/4" NPT x 3/4" Hose	139	\$90.67	1
70LF145HC	1" NPT x 3/4" Hose	175	\$123.38	1
70LF243HC	1/2" Solder x 3/4" Hose	63	\$59.35	1
70LF244HC	3/4" Solder x 3/4" Hose	139	\$90.67	1



**70LF SERIES**

**LEAD FREE BRONZE BALL VALVE**

**THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF10101	1/4"	60	\$28.67	10
70LF10201	3/8"	56	\$28.67	10
70LF10301	1/2"	63	\$28.67	10
70LF10401	3/4"	130	\$47.28	10
70LF10501	1"	172	\$59.56	10
70LF10601	1-1/4"	326	\$99.88	5
70LF10701	1-1/2"	461	\$127.54	5
70LF10801	2"	606	\$152.05	2
70LF10901	2-1/2"	1396	\$653.48	1
70LF10001	3"	1860	\$753.97	1
70LF10A01	4"	2550	\$1,015.16	1

**THREADED ENDS W/ 316SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF14101	1/4"	60	\$45.98	10
70LF14201	3/8"	56	\$45.12	10
70LF14301	1/2"	63	\$45.12	10
70LF14401	3/4"	130	\$83.54	10
70LF14501	1"	172	\$101.17	10
70LF14601	1-1/4"	326	\$144.63	5
70LF14701	1-1/2"	461	\$192.54	5
70LF14801	2"	606	\$245.58	2
70LF14901	2-1/2"	1396	\$935.25	1
70LF14001	3"	1860	\$1,081.31	1
70LF14A01	4"	2550	\$1,425.08	1

**SOLDER ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF20201	3/8"	56	\$28.67	10
70LF20301	1/2"	63	\$28.67	10
70LF20401	3/4"	130	\$47.28	10
70LF20501	1"	172	\$59.56	10
70LF20601	1-1/4"	326	\$99.88	5
70LF20701	1-1/2"	461	\$127.54	5
70LF20801	2"	606	\$152.05	2
70LF20901	2-1/2"	1396	\$653.48	1
70LF20001	3"	1860	\$753.97	1
70LF20A01	4"	2550	\$1,015.16	1

**SOLDER ENDS W/ 316SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF24201	3/8"	56	\$39.45	10
70LF24301	1/2"	63	\$38.71	10
70LF24401	3/4"	130	\$69.89	10
70LF24501	1"	172	\$86.96	10
70LF24601	1-1/4"	326	\$144.61	5
70LF24701	1-1/2"	461	\$192.51	5
70LF24801	2"	606	\$245.57	2
70LF24901	2-1/2"	1396	\$935.25	1
70LF24001	3"	1860	\$1,081.26	1
70LF24A01	4"	2550	\$1,425.08	1

**THREADED ENDS - SINGLE UNION**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF30301	1/2"	96	\$42.47	10
70LF30401	3/4"	190	\$72.14	10
70LF30501A	1"	245	\$99.26	10
70LF30601	1-1/4"	432	\$168.72	5
70LF30701	1-1/2"	582	\$211.18	5
70LF30801	2"	855	\$336.05	2

**SOLDER ENDS - SINGLE UNION**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF40401	3/4"	190	\$73.50	10
70LF40501A	1"	245	\$99.26	10
70LF40601	1-1/4"	432	\$168.70	5
70LF40701	1-1/2"	582	\$211.16	5
70LF40801	2"	855	\$336.04	2

**THREADED ENDS - MALE X FEMALE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF80301	1/2"	63	\$34.20	10
70LF80401	3/4"	130	\$54.55	10
70LF80501	1"	172	\$77.84	10
70LF80601	1-1/4"	326	\$126.65	5

**THREADED ENDS - MALE X FEMALE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF80301	1/2"	63	\$34.20	10
70LF80401	3/4"	130	\$54.55	10
70LF80501	1"	172	\$77.84	10
70LF80601	1-1/4"	326	\$126.65	5

**70LF-HC SERIES**

LEAD FREE BRONZE BALL VALVE - HOSE THREAD  
THREADED END W/ HOSE CAP & CHAIN

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF103HC	1/2"	63	\$48.20	10
70LF104HC	3/4"	139	\$68.07	10
70LF105HC	1"	172	\$79.45	10

**SOLDER END W/ HOSE CAP & CHAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF203HC	1/2"	71	\$48.20	10
70LF204HC	3/4"	144	\$68.07	10

**71 SERIES**

BRONZE BALL VALVE - MOUNTING PADS

**THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7110401	3/4"	163	\$46.48	10
7110501	1"	186	\$57.82	10
7110601	1-1/4"	339	\$91.00	5
7110701	1-1/2"	468	\$110.93	5
7110801	2"	572	\$142.63	2
7110001	3"	1860	\$708.34	1

**THREADED ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7114401	3/4"	161	\$70.49	10
7114501	1"	182	\$85.25	10
7114601	1-1/4"	336	\$136.32	5
7114701	1-1/2"	460	\$177.27	5
7114801	2"	564	\$242.82	2
7114001	3"	1965	\$1,040.18	1

**71-500 SERIES**

BRONZE BALL VALVE - MOUNTING PADS

**SPRING RETURN HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7150101	1/4"	147	\$148.62	10
7150201	3/8"	145	\$148.62	10
7150301	1/2"	135	\$148.62	10
7150401	3/4"	233	\$166.46	5
7150501	1"	259	\$177.73	5
7150601	1-1/4"	418	\$234.18	4
7150701	1-1/2"	531	\$273.40	2
7150801	2"	641	\$321.64	2

**72 & 72-A SERIES**

**CARBON STEEL BALL VALVE**

**HIGH PRESSURE - FULL PORT (EXCEPT 2")**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7210301A	1/2"	198	\$74.07	6
7210401A	3/4"	309	\$92.01	4
7210501A	1"	487	\$138.75	4
7210601A	1-1/4"	767	\$212.08	2
7210701A	1-1/2"	1050	\$267.49	2
7210801A	2"	1526	\$329.41	1

**HIGH PRESSURE - FULL PORT (EXCEPT 2") W/ 316 BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7214301A	1/2"	198	\$91.37	6
7214401A	3/4"	309	\$116.75	4
7214501A	1"	487	\$165.53	4
7214601A	1-1/4"	767	\$243.93	2
7214701A	1-1/2"	1050	\$308.77	2
7214801A	2"	1526	\$387.19	1

**SAE STRAIGHT THREAD**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7290101A	1/4"	209	\$80.90	6
7290201A	3/8"	206	\$80.90	6
7290301A	1/2"	256	\$79.39	6
7290401A	3/4"	307	\$102.32	4
7290501A	1"	491	\$147.41	4
7290601A	1-1/4"	773	\$230.70	2
7290701A	1-1/2"	1021	\$299.71	2
7290801A	2"	1488	\$366.50	1

**73A SERIES**

**A105 CARBON STEEL BALL VALVE**

**THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
73A10101A	1/4"	61	\$30.88	10
73A10201A	3/8"	63	\$30.88	10
73A10301A	1/2"	75	\$33.56	10
73A10401A	3/4"	158	\$48.46	10
73A10501A	1"	209	\$65.21	10
73A10601	1-1/4"	374	\$111.43	5
73A10701	1-1/2"	530	\$141.17	5
73A10801	2"	803	\$194.39	2

**THREADED ENDS W/ 316 SS BALL & STEM NACE MR01-75**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
73A14101A	1/4"	61	\$45.76	10
73A14201A	3/8"	63	\$45.76	10
73A14301A	1/2"	75	\$48.41	10
73A14401A	3/4"	158	\$75.78	10
73A14501A	1"	209	\$92.45	10
73A14601	1-1/4"	374	\$146.43	5
73A14701	1-1/2"	530	\$186.81	5
73A14801	2"	803	\$240.22	2

**HIGH PRESSURE - FULL PORT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7210301A	1/2"	236	\$74.07	6
7210401A	3/4"	307	\$92.01	4
7210501A	1"	491	\$138.75	4
7210601A	1-1/4"	773	\$212.08	2
7210701A	1-1/2"	1021	\$267.49	2
7210801A	2"	1488	\$329.41	1

**HIGH PRESSURE - FULL PORT W/ 316 BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7214301A	1/2"	256	\$91.37	6
7214401A	3/4"	307	\$116.75	4
7214501A	1"	491	\$165.53	4
7214601A	1-1/4"	773	\$243.93	2
7214701A	1-1/2"	1021	\$308.77	2
7214801A	2"	1488	\$387.19	1

**SAE STRAIGHT THREAD**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7290101A	1/4"	209	\$80.90	6
7290201A	3/8"	206	\$80.90	6
7290301A	1/2"	256	\$79.39	6
7290401A	3/4"	307	\$102.32	4
7290501A	1"	491	\$147.41	4
7290601A	1-1/4"	773	\$230.70	2
7290701A	1-1/2"	1021	\$299.71	2
7290801A	2"	1488	\$366.50	1

**73 SERIES**

**CARBON STEEL BALL VALVE - DOUBLE UNION  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7330101	1/4"	351	\$141.58	6
7330201	3/8"	345	\$141.58	6
7330301	1/2"	335	\$141.58	6
7330401	3/4"	448	\$189.30	4
7330501	1"	704	\$239.80	4
7330601	1-1/4"	996	\$348.29	2
7330701	1-1/2"	1483	\$459.37	2
7330801	2"	2050	\$517.39	1

**THREADED ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7334101	1/4"	351	\$151.66	6
7334201	3/8"	345	\$151.66	6
7334301	1/2"	335	\$151.66	6
7334401	3/4"	448	\$214.51	4
7334501	1"	704	\$267.51	4
7334601	1-1/4"	996	\$376.08	2
7334701	1-1/2"	1483	\$494.69	2
7334801	2"	2050	\$567.90	1

**SOCKET WELD ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7340301	1/2"	335	\$141.58	6
7340401	3/4"	448	\$189.30	4
7340501	1"	704	\$239.80	4
7340601	1-1/4"	996	\$348.29	2
7340701	1-1/2"	1483	\$459.37	2
7340801	2"	2050	\$517.39	1

**75 SERIES**

**BRONZE BALL VALVE - PAD LOCKING  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7510101	1/4"	80	\$43.25	10
7510201	3/8"	77	\$43.25	10
7510301	1/2"	70	\$43.25	10
7510401	3/4"	203	\$68.61	10
7510501	1"	183	\$68.61	10
7510601	1-1/4"	348	\$105.30	5
7510701	1-1/2"	423	\$127.35	5
7510801	2"	569	\$151.32	2

**THREADED ENDS W/ (-41) AUTOMATIC DRAIN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7510141	1/4"	80	\$46.37	10
7510241	3/8"	77	\$46.37	10
7510341	1/2"	70	\$46.37	10
7510441	3/4"	203	\$71.67	10
7510541	1"	183	\$74.77	10
7510641	1-1/4"	348	\$116.81	5
7510741	1-1/2"	423	\$136.66	5
7510841	2"	569	\$160.65	2

**76 SERIES**

**CF8M STAINLESS STEEL BALL VALVE**

**THREADED ENDS W/ MOUNTING PAD DRILLED & TAPPED**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7610101A	1/4"	58	\$66.96	10
7610201A	3/8"	54	\$66.96	10
7610301A	1/2"	63	\$66.96	10
7610401A	3/4"	127	\$110.95	10
7610501A	1"	163	\$135.18	10
7610601	1-1/4"	306	\$257.44	5
7610701	1-1/2"	404	\$269.01	5
7610801	2"	605	\$349.22	2
7610901	2-1/2"	1557	\$1,211.67	1
7610001	3"	1679	\$1,317.34	1

**THREADED ENDS - 3 WAY**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7660101A	1/4"	70	\$140.77	6
7660201A	3/8"	66	\$143.45	6
7660301A	1/2"	75	\$140.77	6
7660401A	3/4"	145	\$188.57	6
7660501A	1"	186	\$237.03	6
7660701	1-1/2"	467	\$0.00	5
7660801	2"	702	\$0.00	2

**THREADED ENDS W/ (-27) SS LATCH LOCK LEVER**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7610127A	1/4"	58	\$71.51	10
7610227A	3/8"	54	\$71.51	10
7610327A	1/2"	63	\$71.51	10
7610427A	3/4"	127	\$115.52	10
7610527A	1"	163	\$139.74	10
7610627	1-1/4"	307	\$262.06	5
7610727	1-1/2"	399	\$273.59	5
7610827	2"	599	\$353.82	2
7610927	2-1/2"	1557	\$1,225.46	1
7610027	3"	1679	\$1,331.19	1

**THREADED ENDS - DOUBLE UNION**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7630301	1/2"	288	\$362.20	6
7630401	3/4"	381	\$454.35	4
7630501	1"	598	\$622.30	4
7630601	1-1/4"	847	\$809.62	2
7630701	1-1/2"	1261	\$1,088.74	2
7630801	2"	1688	\$1,341.84	1

**THREADED ENDS W/ SPRING RETURN HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7650101A	1/4"	126	\$142.39	10
7650201A	3/8"	125	\$142.39	10
7650301A	1/2"	131	\$142.39	10
7650401A	3/4"	198	\$184.33	5
7650501A	1"	235	\$207.19	5
7650601	1-1/4"	396	\$343.75	4
7650701	1-1/2"	478	\$364.07	2
7650801	2"	666	\$451.65	2

**76F SERIES**

**CF8M STAINLESS STEEL BALL VALVE**

**THREADED ENDS - 1000 WOG**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
76F10101	1/4"	47	\$36.91	10
76F10201	3/8"	43.5	\$36.91	10
76F10301A	1/2"	55	\$38.85	10
76F10401A	3/4"	153.5	\$52.44	10
76F10501A	1"	280.5	\$75.76	5
76F10601A	1-1/4"	412	\$97.09	5
76F10701A	1-1/2"	573.5	\$145.64	2
76F10801A	2"	973	\$184.49	2
76F10001A	3"	2240	\$654.21	1

**THREADED ENDS - 1000 WOG W/ (-27) SS LATCH LOCK LEVER**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
76F10127	1/4"	47	\$41.46	10
76F10227	3/8"	43.5	\$41.46	10
76F10327A	1/2"	55	\$43.43	10
76F10427A	3/4"	153.5	\$57.02	10
76F10527A	1"	280.5	\$80.30	5
76F10627A	1-1/4"	412	\$101.67	5
76F10727A	1-1/2"	573.5	\$159.24	2
76F10827A	2"	973	\$198.07	2
76F10027A	3"	2274	\$735.99	1



**77 SERIES**

**BRONZE BALL VALVE**

**THREADED ENDS - FULL PORT - MOUNTING PADS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7710101	1/4"	79	\$28.70	10
7710201	3/8"	75	\$28.70	10
7710301	1/2"	69	\$28.70	10
7710401	3/4"	183	\$52.30	10
7710501	1"	332	\$73.26	5
7710601	1-1/4"	505	\$103.36	5
7710701	1-1/2"	671	\$130.44	2
7710801	2"	1175	\$226.66	2
7710901	2-1/2"	1725	\$589.06	1

**SECURE VENT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77101SV	1/4"	10	\$80.88	10
77102SV	3/8"	10	\$80.88	10
77103SV	1/2"	10	\$80.88	10
77104SV	3/4"	10	\$104.93	10
77105SV	1"	10	\$126.28	5
77106SV	1-1/4"	5	\$167.29	5
77107SV	1-1/2"	5	\$194.89	2
77108SV	2"	2	\$313.61	2

**THREADED ENDS - FULL PORT - MOUNTING PADS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7714101	1/4"	79	\$39.68	10
7714201	3/8"	75	\$39.68	10
7714301	1/2"	69	\$39.68	10
7714401	3/4"	183	\$74.41	10
7714501	1"	332	\$118.64	10
7714601	1-1/4"	505	\$159.14	5
7714701	1-1/2"	671	\$195.76	2
7714801	2"	1175	\$324.23	2
7714901	2-1/2"	1725	\$915.85	1

**THREADED ENDS - FULL PORT - O-RING BOSS - SAE STRAIGHT THREAD**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7790101	1/4"	79	\$33.37	10
7790201	3/8"	75	\$33.37	10
7790301	1/2"	69	\$32.75	10
7790401	3/4"	183	\$60.87	10
7790501	1"	332	\$83.80	5
7790601	1-1/4"	505	\$120.34	5
7790701	1-1/2"	671	\$151.94	2
7790801	2"	1175	\$263.93	1

**SOLDER ENDS - FULL PORT - NO PADS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7720401	3/4"	165	\$49.81	10
7720501	1"	299	\$69.45	5
7720601	1-1/4"	455	\$95.27	5
7720701	1-1/2"	604	\$122.88	2
7720801	2"	1058	\$222.27	1
7720901	2-1/2"	1553	\$589.06	1

**SOLDER ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7724401	3/4"	165	\$72.00	10
7724501	1"	299	\$117.04	10
7724601	1-1/4"	455	\$152.10	5
7724701	1-1/2"	604	\$189.41	2
7724801	2"	1058	\$321.73	1
7724901	2-1/2"	1553	\$874.58	1

**77C-A SERIES  
BRONZE BALL VALVE  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C10101A	1/4"	60	\$19.92	10
77C10201A	3/8"	55	\$19.92	10
77C10301A	1/2"	64	\$19.92	10
77C10401A	3/4"	100	\$32.48	10
77C10501A	1"	183	\$41.03	5
77C10601A	1-1/4"	420	\$95.78	6
77C10701A	1-1/2"	460	\$127.07	6
77C10801A	2"	790	\$208.50	5
77C10901A	2-1/2"	1,643	\$604.18	1

**SOLDER ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C20201A	3/8"	55	\$19.92	10
77C20301A	1/2"	55	\$19.92	8
77C20401A	3/4"	91	\$32.48	10
77C20501A	1"	151	\$41.03	5
77C20601A	1-1/4"	386	\$95.78	6
77C20701A	1-1/2"	590	\$127.07	6
77C20801A	2"	750	\$208.50	4
77C20901A	2-1/2"	1,450	\$615.69	1

**THREADED ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C14101A	1/4"	60	\$30.91	10
77C14201A	3/8"	55	\$30.91	10
77C14301A	1/2"	64	\$30.91	10
77C14401A	3/4"	100	\$57.67	10
77C14501A	1"	183	\$69.96	5
77C14601A	1-1/4"	420	\$150.52	5
77C14701A	1-1/2"	460	\$183.73	2
77C14801A	2"	790	\$282.93	2
77C14901A	2-1/2"	1,643	\$813.53	1

**SOLDER ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C24201A	3/8"	55	\$31.50	10
77C24301A	1/2"	55	\$30.91	10
77C24401A	3/4"	91	\$57.67	10
77C24501A	1"	151	\$69.96	5
77C24601A	1-1/4"	386	\$150.52	5
77C24701A	1-1/2"	590	\$183.73	2
77C24801A	2"	750	\$282.93	2
77C24901A	2-1/2"	1,450	\$813.53	1

**THREADED ENDS W/ (-04) STEM EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C10104A	1/4"	60	\$44.17	1
77C10204A	3/8"	55	\$44.17	1
77C10304A	1/2"	64	\$43.34	1
77C10404A	3/4"	124	\$55.87	1
77C10504A	1"	218	\$64.44	1
77C10604A	1-1/4"	455	\$126.20	1
77C10704A	1-1/2"	503	\$157.48	1
77C10804A	2"	850	\$237.47	1
77C10904A	2-1/2"	1,703	\$650.69	1

**SOLDER ENDS W/ (-04) STEM EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C20204A	3/8"	64	\$43.34	1
77C20304A	1/2"	64	\$43.34	1
77C20404A	3/4"	124	\$55.87	1
77C20504A	1"	218	\$64.44	1
77C20604A	1-1/4"	455	\$126.20	1
77C20704A	1-1/2"	503	\$157.48	1
77C20804A	2"	850	\$237.47	1
77C20904A	2-1/2"	1,703	\$650.69	1

**THREADED ENDS W/ (-04) STEM EXT. & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C14104A	1/4"	60	\$54.33	1
77C14204A	3/8"	55	\$55.35	1
77C14304A	1/2"	64	\$54.33	1
77C14404A	3/4"	124	\$81.08	1
77C14504A	1"	218	\$93.36	1
77C14604A	1-1/4"	455	\$184.39	1
77C14704A	1-1/2"	503	\$218.26	1
77C14804A	2"	850	\$311.92	1
77C14904A	2-1/2"	1,703	\$861.95	1

**SOLDER ENDS W/ (-04) STEM EXT. & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C24204A	3/8"	64	\$54.33	1
77C24304A	1/2"	64	\$54.33	1
77C24404A	3/4"	124	\$81.08	1
77C24504A	1"	218	\$93.36	1
77C24604A	1-1/4"	455	\$180.95	1
77C24704A	1-1/2"	503	\$214.18	1
77C24804A	2"	850	\$311.92	1
77C24904A	2-1/2"	1,703	\$861.95	1

**77C-A SERIES**

**BRONZE BALL VALVE**

**THREADED ENDS W/ (-11) THERMA-SEAL™ HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C1011A	1/4"	60	\$45.74	1
77C1021A	3/8"	55	\$45.74	1
77C1031A	1/2"	64	\$44.89	1
77C1041A	3/4"	100	\$60.67	1
77C1051A	1"	183	\$70.56	1
77C1061A	1-1/4"	420	\$145.22	1
77C1071A	1-1/2"	460	\$177.07	1
77C1081A	2"	790	\$271.89	1

**THREADED ENDS W/ (-11) THERMA-SEAL™ HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C2021A	3/8"	55	\$45.74	1
77C2031A	1/2"	55	\$45.74	1
77C2041A	3/4"	91	\$61.82	1
77C2051A	1"	151	\$70.56	1
77C2061A	1-1/4"	386	\$145.22	1
77C2071A	1-1/2"	590	\$177.07	1
77C2081A	2"	750	\$271.89	1

**THREADED ENDS W/ (-27) LATCH LOCK HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C1012A	1/4"	60	\$27.51	10
77C1022A	3/8"	55	\$27.51	10
77C1032A	1/2"	64	\$27.51	10
77C1042A	3/4"	100	\$42.03	10
77C1052A	1"	183	\$50.64	5
77C1062A	1-1/4"	420	\$109.27	6
77C1072A	1-1/2"	460	\$138.46	6
77C1082A	2"	790	\$219.40	5
77C1092A	2-1/2"	1640	\$634.76	1

**SOLDER ENDS W/ (-27) LATCH LOCK HANDLE & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C2422A	3/8"	Contact	\$39.18	8
77C2432A	1/2"	64	\$39.18	8
77C2442A	3/4"	124	\$68.51	10
77C2452A	1"	218	\$81.07	5
77C2462A	1-1/4"	455	\$165.07	6
77C2472A	1-1/2"	503	\$198.86	6
77C2482A	2"	850	\$299.41	4
77C2492A	2-1/2"	1703	\$825.71	1

**SOLDER ENDS W/ (-27) LATCH LOCK HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C2022A	3/8"	55	\$28.03	10
77C2032A	1/2"	64	\$28.03	8
77C2042A	3/4"	124	\$42.03	10
77C2052A	1"	218	\$51.61	5
77C2062A	1-1/4"	455	\$109.27	6
77C2072A	1-1/2"	503	\$141.10	6
77C2082A	2"	850	\$223.58	4
77C2092A	2-1/2"	1703	\$627.87	1

**THREADED ENDS W/ (-27) LATCH LOCK HANDLE & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C1412A	1/4"	60	\$38.45	10
77C1422A	3/8"	55	\$39.18	10
77C1432A	1/2"	64	\$38.45	10
77C1442A	3/4"	100	\$67.23	10
77C1452A	1"	183	\$79.56	5
77C1462A	1-1/4"	420	\$165.07	6
77C1472A	1-1/2"	460	\$198.86	6
77C1482A	2"	790	\$293.81	5
77C1492A	2-1/2"	1643	\$813.53	1

**77C-A SERIES**

**KITS & ADDERS**

**-04 2-1/4" CS STEM EXT. KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78233201	1/4" - 3/8"	\$7.93
78233301	1/2" - 3/4"	\$9.58
7844301	1" - 1-1/4"	\$12.41
7846901	1-1/2" - 2-1/2"	\$15.15

**-07 STEEL TEE HANDLE KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78250801	1/4" - 3/8"	\$4.49
78250901	1/2" - 3/4"	\$4.70
78251001	1" - 1-1/4"	\$5.14
78251101	1-1/2" - 2"	\$6.09

**-10 STAINLESS STEEL LEVER & NUT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78263001	1/4" - 3/8"	\$15.94
78263101	1/2" - 3/4"	\$15.94
78263201	1" - 1-1/4"	\$15.94
78263301	1 - 1/2"	\$19.39
78263401	2" - 2-1/2"	\$19.39

**-11 THERMA-SEAL™ INSULATING T-HANDLE KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78233001	1/4" - 3/8"	\$15.81
78233101	1/2" - 3/4"	\$15.81
78219101	1" - 1-1/4"	\$15.81
78219201	1-1/2" - 2"	\$22.56

**-27 LATCH LOCK LEVER KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78250001	1/4" - 3/8"	\$8.17
78250101	1/2" - 3/4"	\$10.06
78250201	1" - 1-1/4"	\$11.32
78250301	1-1/2" - 2-1/2"	\$11.95

**-50 2-1/4" CS LOCKING STEM EXT. KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
Refer to 70LF series	1/4" - 3/8"	N/A
78259601	1/2" - 3/4"	\$35.27
7800201	1" - 1-1/4"	\$35.27
7800301	1-1/2"	\$52.90
7800401	2"	\$52.90

**-92 MEMORY STOP**

PART NO.	SIZE (IN.)	PRICE EA.
7829501	1/2" - 3/4"	\$3.20
7831801	1" - 1-1/4"	\$3.89
7831901	1-1/2" - 2"	\$3.89

**-94 2-1/4" EXT. STEM & BALANCING STOP (MEMORY STOP)**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78259701	1/4" - 3/8"	\$28.10
78259801	1/2" - 3/4"	\$28.10
7846701	1" - 1-1/4"	\$15.44
7858501	1-1/2" - 2"	\$18.28

**-01 REPLACEMENT HANDLE (YELLOW GRIP)**

PART NO.	SIZE (IN.)	PRICE EA.
78249001	1/4" - 3/8"	\$5.04
78249101	1/2" - 3/4"	\$5.46
78249201	1" - 1-1/4"	\$5.76
78249301	1-1/2"	\$6.73
78249401	2" - 2-1/2"	\$7.05

**PACKING WRENCH**

PART NO.	DESCRIPTION	PRICE EA.
H371400	Domestic Valves	\$10.45
H380700	Apollo International Valves	\$14.93

**77C-A SEAL REPAIR KITS**

KIT PART NO.	SIZE (IN.)	PRICE EA.
77C00201A	1/4 - 3/8	\$6.77
77C00301A	1/2"	\$6.77
77C00401A	3/4"	\$10.97
77C00501A	1	\$14.07
77C00601A	1-1/4"	\$32.34
77C00701A	1-1/2"	\$42.78
77C00801A	2"	\$73.01
77C00901A	2-1/2"	\$62.02

**77CLF-A SERIES**

**LEAD FREE BRONZE BALL VALVE  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10101A	1/4"	60	\$27.12	10
77CLF10201A	3/8"	55	\$27.12	10
77CLF10301A	1/2"	64	\$27.12	10
77CLF10401A	3/4"	87	\$44.17	10
77CLF10501A	1"	183	\$55.85	5
77CLF10601A	1-1/4"	420	\$130.33	6
77CLF10701A	1-1/2"	650	\$172.91	6
77CLF10801A	2"	790	\$258.13	5
77CLF10901A	2-1/2"	1,712	\$748.02	1

**SOLDER ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20201A	3/8"	49	\$27.64	10
77CLF20301A	1/2"	55	\$27.12	8
77CLF20401A	3/4"	91	\$44.17	10
77CLF20501A	1"	151	\$55.85	5
77CLF20601A	1-1/4"	386	\$130.33	6
77CLF20701A	1-1/2"	590	\$172.91	6
77CLF20801A	2"	1,081	\$258.13	4
77CLF20901A	2-1/2"	1,450	\$748.02	1

**THREADED ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF14101A	1/4"	60	\$42.04	10
77CLF14201A	3/8"	55	\$42.04	10
77CLF14301A	1/2"	64	\$42.04	10
77CLF14401A	3/4"	87	\$78.47	10
77CLF14501A	1"	183	\$99.02	5
77CLF14601A	1-1/4"	420	\$213.00	6
77CLF14701A	1-1/2"	650	\$259.96	6
77CLF14801A	2"	790	\$364.33	5
77CLF14901A	2-1/2"	1,712	\$1,007.21	1

**SOLDER ENDS W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF24201A	3/8"	55	\$42.84	10
77CLF24301A	1/2"	55	\$42.04	8
77CLF24401A	3/4"	91	\$78.47	10
77CLF24501A	1"	151	\$99.02	5
77CLF24601A	1-1/4"	386	\$213.00	6
77CLF24701A	1-1/2"	590	\$259.96	6
77CLF24801A	2"	1,081	\$364.33	4
77CLF24901A	2-1/2"	1,450	\$1,007.21	1

**THREADED ENDS W/ (-04) STEM EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10104A	1/4"	60	\$51.49	1
77CLF10204A	3/8"	55	\$52.69	1
77CLF10304A	1/2"	64	\$51.49	1
77CLF10404A	3/4"	87	\$68.87	1
77CLF10504A	1"	183	\$80.76	1
77CLF10604A	1-1/4"	420	\$163.82	1
77CLF10704A	1-1/2"	650	\$207.22	1
77CLF10804A	2"	790	\$294.07	1
77CLF10904A	2-1/2"	1,712	\$799.53	1

**SOLDER ENDS W/ (-04) STEM EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20204A	3/8"	Contact	\$50.53	1
77CLF20304A	1/2"	64	\$50.53	1
77CLF20404A	3/4"	87	\$67.58	1
77CLF20504A	1"	183	\$79.25	1
77CLF20604A	1-1/4"	420	\$160.76	1
77CLF20704A	1-1/2"	650	\$203.34	1
77CLF20804A	2"	790	\$288.57	1
77CLF20904A	2-1/2"	1,712	\$805.55	1

**THREADED ENDS W/ (-04) STEM EXT. & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF14104A	1/4"	60	\$69.36	1
77CLF14204A	3/8"	55	\$67.42	1
77CLF14304A	1/2"	64	\$68.06	1
77CLF14404A	3/4"	87	\$105.95	1
77CLF14504A	1"	183	\$125.73	1
77CLF14604A	1-1/4"	420	\$249.32	1
77CLF14704A	1-1/2"	650	\$297.17	1
77CLF14804A	2"	790	\$403.51	1
77CLF14904A	2-1/2"	1,712	\$1,057.48	1

**SOLDER ENDS W/ (-04) STEM EXT. & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF24204A	3/8"	Contact	\$68.86	1
77CLF24304A	1/2"	64	\$68.06	1
77CLF24404A	3/4"	87	\$105.95	1
77CLF24504A	1"	183	\$123.38	1
77CLF24604A	1-1/4"	420	\$249.32	1
77CLF24704A	1-1/2"	650	\$291.62	1
77CLF24804A	2"	790	\$395.97	1
77CLF24904A	2-1/2"	1,712	\$1,086.23	1

**77CLF-A SERIES**

**LEAD FREE BRONZE BALL VALVE**

**THREADED ENDS W/ (-07) TEE HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10107A	1/4"	60	\$35.30	1
77CLF10207A	3/8"	55	\$35.30	1
77CLF10307A	1/2"	64	\$35.30	1
77CLF10407A	3/4"	87	\$52.92	1
77CLF10507A	1"	183	\$64.81	1
77CLF10607A	1-1/4"	420	\$150.29	1
77CLF10707A	1-1/2"	650	\$193.70	1
77CLF10807A	2"	790	\$280.54	1

**THREADED ENDS W/ (-10) STAINLESS STEEL LEVER & NUT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10110A	1/4"	60	\$43.58	1
77CLF10210A	3/8"	55	\$43.58	1
77CLF10310A	1/2"	64	\$43.58	1
77CLF10410A	3/4"	87	\$60.97	1
77CLF10510A	1"	183	\$72.85	1
77CLF10610A	1-1/4"	420	\$152.19	1
77CLF10710A	1-1/2"	650	\$195.59	1
77CLF10810A	2"	790	\$282.43	1
77CLF10910A	2-1/2"	1712	\$781.66	1

**THREADED ENDS W/ (-11) THERMA-SEAL™ HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10111A	1/4"	60	\$53.09	1
77CLF10211A	3/8"	55	\$53.09	1
77CLF10311A	1/2"	64	\$53.09	1
77CLF10411A	3/4"	87	\$73.76	1
77CLF10511A	1"	183	\$85.64	1
77CLF10611A	1-1/4"	420	\$180.39	1
77CLF10711A	1-1/2"	650	\$223.81	1
77CLF10811A	2"	790	\$325.44	1

**THREADED ENDS W/ (-27) LATCH LOCK HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10127A	1/4"	60	\$35.30	1
77CLF10227A	3/8"	55	\$35.30	1
77CLF10327A	1/2"	64	\$34.64	1
77CLF10427A	3/4"	87	\$53.76	1
77CLF10527A	1"	183	\$65.44	1
77CLF10627A	1-1/4"	420	\$144.43	1
77CLF10727A	1-1/2"	650	\$184.33	1
77CLF10827A	2"	790	\$269.54	1
77CLF10927A	2-1/2"	1,712	\$774.47	1

**SOLDER ENDS W/ (-27) LATCH LOCK HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20227A	3/8"	60	\$32.99	1
77CLF20327A	1/2"	55	\$35.30	1
77CLF20427A	3/4"	91	\$53.76	1
77CLF20527A	1"	151	\$66.68	1
77CLF20627A	1-1/4"	386	\$144.43	1
77CLF20727A	1-1/2"	590	\$187.84	1
77CLF20827A	2"	1,081	\$274.67	1
77CLF20927A	2-1/2"	1,450	\$774.47	1

**THREADED ENDS W/ (-27) LATCH LOCK HANDLE & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF14127A	1/4"	60	\$50.50	1
77CLF14227A	3/8"	55	\$50.50	1
77CLF14327A	1/2"	64	\$52.54	1
77CLF14427A	3/4"	87	\$93.31	1
77CLF14527A	1"	183	\$111.07	1
77CLF14627A	1-1/4"	420	\$229.15	1
77CLF14727A	1-1/2"	650	\$277.01	1
77CLF14827A	2"	790	\$383.36	1
77CLF14927A	2-1/2"	1,712	\$786.63	1

**SOLDER ENDS W/ (-27) LATCH LOCK HANDLE & 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF24227A	3/8"	60	\$49.10	1
77CLF24327A	1/2"	55	\$52.54	1
77CLF24427A	3/4"	91	\$93.31	1
77CLF24527A	1"	151	\$111.07	1
77CLF24627A	1-1/4"	386	\$229.15	1
77CLF24727A	1-1/2"	590	\$277.01	1
77CLF24827A	2"	1,081	\$383.36	1
77CLF24927A	2-1/2"	1,450	\$786.63	1

**THREADED ENDS - SINGLE UNION**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF30301	1/2"	96	\$42.47	10
77CLF30401A	3/4"	134	\$83.45	10
77CLF30501A	1"	236	\$113.42	10
77CLF30601A	1-1/4"	507	\$235.40	5
77CLF30701A	1-1/2"	496	\$278.25	5
77CLF30801A	2"	1006	\$435.75	2

\* FOR 1/2" USE FULL PORT 70LF-303-01

**77CLF-A SERIES**

**KITS & ADDERS**

**-01 REPLACEMENT HANDLE (WHITE GRIP)**

PART NO.	SIZE (IN.)	PRICE EA.
78249501	1/4" - 3/8"	\$5.14
78249601	1/2"-3/4"	\$5.46
78249701	1" - 1-1/4"	\$5.76
78249801	1-1/2"	\$6.73
78249901	2" - 2-1/2"	\$7.05

**-04 2-1/4" CS STEM EXT. KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78233201	1/4" - 3/8"	\$7.93
78233301	1/2" - 3/4"	\$9.58
7844301	1" - 1-1/4"	\$12.41
7846901	1-1/2" - 2-1/2"	\$15.15

**-07 STEEL TEE HANDLE KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78250801	1/4" - 3/8"	\$4.49
78250901	1/2" - 3/4"	\$4.70
78251001	1" - 1-1/4"	\$5.14
78251101	1-1/2" - 2"	\$6.09

**-10 STAINLESS STEEL LEVER & NUT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78263501	1/4" - 3/8"	\$15.94
78263601	1/2" - 3/4"	\$15.94
78263701	1" - 1-1/4"	\$15.94
78263801	1-1/2"	\$19.39
78263901	2" - 2-1/2"	\$19.39

**-11 THERMA-SEAL™ INSULATING T-HANDLE KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78233001.00	1/4" - 3/8"	\$15.81
78233101.00	1/2" - 3/4"	\$15.81
78219101.00	1" - 1-1/4"	\$15.81
78219201.00	1-1/2" - 2"	\$22.56

**77C-UL-A SERIES**

**BRONZE FULL PORT UL TRIM & DRAIN  
NPT THREADED**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C101ULA	1/4"	60	\$21.25	10
77C102ULA	3/8"	55	\$21.25	10
77C103ULA	1/2"	64	\$21.89	10
77C104ULA	3/4"	124	\$35.01	10
77C105ULA	1"	218	\$43.77	5
77C106ULA	1-1/4"	455	\$102.54	6
77C107ULA	1-1/2"	503	\$129.49	6
77C108ULA	2"	850	\$222.59	5

**-27 LATCH LOCK LEVER KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78260201	1/4" - 3/8"	\$8.32
78260301	1/2"-3/4"	\$10.06
78260401	1" - 1-1/4"	\$11.53
78260501	1-1/2" - 2-1/2"	\$11.95

**-50 2-1/4" CS LOCKING STEM EXT. KIT**

KIT PART NO.	SIZE (IN.)	PRICE EA.
Refer to 70LF series	1/4" - 3/8"	N/A
78259601	1-2" - 3/4"	\$35.27
7800201	1" - 1-1/4"	\$35.27
7800301	1-1/2"	\$52.90
7800401	2"	\$52.90

**-92 MEMORY STOP**

PART NO.	SIZE (IN.)	PRICE EA.
7829501	1/2" - 3/4"	\$3.20
7831801	1" - 1-1/4"	\$3.89
7831901	1-1/2" - 2"	\$3.89

**-94 2-1/4" EXT. STEM & BALANCING STOP (MEMORY STOP)**

KIT PART NO.	SIZE (IN.)	PRICE EA.
78259701	1/4" - 3/8"	\$28.10
78259801	1/2"-3/4"	\$28.10
7846701	1" - 1-1/4"	\$15.44
7858501	1-1/2" - 2"	\$18.28

**PACKING WRENCH**

PART NO.	DESCRIPTION	PRICE EA.
H371400	Domestic Valves	\$10.45
H380700	Apollo International Valves	\$14.93

**77CLF-A SEAL REPAIR KITS**

KIT PART NO.	SIZE (IN.)	PRICE EA.
77C00201A	1/4 - 3/8	\$6.77
77C00301A	1/2"	\$6.77
77C00401A	3/4"	\$10.97
77C00501A	1	\$14.07
77C00601A	1-1/4"	\$32.34
77C00701A	1-1/2"	\$42.78
77C00801A	2"	\$73.01
77C00901A	2-1/2"	\$62.02

**SOLDER**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C202ULA	3/8"	55	\$21.89	10
77C203ULA	1/2"	55	\$21.89	8
77C204ULA	3/4"	91	\$35.01	10
77C205ULA	1"	151	\$43.77	5
77C206ULA	1-1/4"	386	\$102.54	6
77C207ULA	1-1/2"	590	\$129.49	6
77C208ULA	2"	750	\$222.59	4



**77G-UL SERIES**

UL/CSA LISTED FULL PORT BRONZE BALL VALVE (FUEL GAS)

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77G103UL	1/2"	63	\$32.00	1
77G104UL	3/4"	87	\$47.81	1
77G105UL	1"	183	\$66.60	1

**77W & 77WLF SERIES**

PRESS BRONZE BALL VALVE  
SEE PRESS VALVE XPV1 PRICE LIST

**78 SERIES**

CF8M STAINLESS STEEL HYDRAULIC VALVE  
SAE O-RING x SOCKET WELD

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7814501	3/4"	200	\$383.81	10
7814601	1"	320	\$431.69	5

**78 SERIES**

BRONZE BALL VALVE  
W/ MOUNTING EARS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7824801	1/4"	68	\$37.39	10
7825001	3/8"	68	\$38.10	10
7825601	1/2"	65	\$38.10	10
7843801	3/4"	140	\$51.15	10

**78 SERIES**

INSTRUMENTATION BALL VALVE  
THREADED END - MALE x FEMALE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7826005	1/8"	20	\$18.34	10
7826105	1/4"	19	\$18.00	10
7826205	1/8"	20	\$18.34	10
7826305	1/4"	19	\$18.34	10

**THREADED END - MALE x FEMALE (APOLLO INTERNATIONAL™)**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
94MBV04	1/8"	16	\$12.12	10
94MBV02	1/4"	20	\$12.12	10

**78-620 SERIES**

BRONZE IRRIGATION VALVE  
NPT THREADED W/ AUTO DRAIN

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7862101	3/4"	159	\$74.83	10
7862201	1"	192	\$99.10	10
7862301	1-1/4"	357	\$140.00	5
7862401	1-1/2"	468	\$159.41	5
7862501	2"	611	\$220.54	2

**78-660 SERIES**

BRONZE PURGE & DRAIN - CENTER DRAIN  
STANDARD PORT W/ (-10) STAINLESS STEEL LEVER & NUT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7866401	3/4"	153	\$50.84	10
7866501	1"	186	\$63.88	10
7866601	1-1/4"	339	\$109.85	5
7866701	1-1/2"	468	\$120.71	5
7896201	2"	572	\$154.18	2

**79 SERIES**

**REFRIGERATION BALL VALVE  
FEMALE COPPER TUBE EXTENSIONS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7970101	3/8"	94	\$119.43	1
7970201	1/2"	94	\$119.43	1
7970301	5/8"	94	\$119.43	1
7970401	7/8"	131	\$162.88	1
7970501	1-1/8"	206	\$208.50	1
7970601	1-3/8"	400	\$471.59	1
7970701	1-5/8"	425	\$503.09	1
7970801	2-1/8"	600	\$655.04	1
7970901	2-5/8"	1750	\$1,397.12	1
7960001	3-1/8"	1760	\$1,484.45	1

**7K SERIES**

**BRONZE VALVE - AUTO DRAIN  
AUTO DRAIN & 1/4" NPT TAPPED DRAIN BOSS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7K10101	1/4"	70	\$30.32	10
7K10201	3/8"	66	\$30.32	10
7K10301	1/2"	73	\$30.32	10
7K10401	3/4"	193	\$61.31	10
7K10501	1"	342	\$85.82	10
7K10601	1-1/4"	515	\$121.13	5
7K10701	1-1/2"	681	\$152.88	5
7K10801	2"	1185	\$300.37	2
7K10901	2-1/2"	1735	\$720.37	1

**1/4" NPT TAPPED VENT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7K103SV	1/2"	73	\$81.98	10
7K104SV	3/4"	193	\$112.93	10
7K105SV	1"	342	\$137.47	10
7K106SV	1-1/4"	515	\$183.10	5
7K107SV	1-1/2"	681	\$214.87	5
7K108SV	2"	1185	\$382.94	2

**80 SERIES**

**BRONZE 2-PIECE VALVE - UL (FUEL GAS)  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8010101	1/4"	60	\$24.90	10
8010201	3/8"	56	\$24.90	10
8010301	1/2"	63	\$24.90	10
8010401	3/4"	139	\$37.93	10
8010501	1"	172	\$52.53	10
8010601	1-1/4"	326	\$86.06	5
8010701	1-1/2"	457	\$104.83	5
8010801	2"	556	\$127.14	2
8010901	2-1/2"	1725	\$587.97	1
8010001	3"	1860	\$704.39	1

**82 SERIES**

**BRONZE 3-PIECE VALVE  
THREADED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8210101	1/4"	102	\$53.49	8
8210201	3/8"	104	\$53.49	8
8210301	1/2"	155	\$60.82	8
8210401	3/4"	227	\$74.62	8
8210501	1"	328	\$97.94	6
8210601	1-1/4"	562	\$140.79	2
8210701	1-1/2"	807	\$182.28	2
8210801	2"	1442	\$333.98	1
8210901	2-1/2"	2661	\$812.43	1
82A14001	3"	4300	\$1,487.30	1
82A14A01	4"	10600	\$2,801.90	1

**SOLDER ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8220201	3/8"	99	\$53.49	8
8220301	1/2"	146	\$60.82	8
8220401	3/4"	207	\$74.62	8
8220501	1"	303	\$97.94	6
8220601	1-1/4"	502	\$144.20	2
8220701	1-1/2"	791	\$182.28	2
8220801	2"	1350	\$333.98	1
8220901	2-1/2"	2661	\$738.50	1
82A24001	3"	4300	\$1,487.30	1
82A24A01	4"	10600	\$2,801.90	1

**THREADED ENDS - FULL PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8214101	1/4"	102	\$70.30	8
8214201	3/8"	104	\$70.30	8
8214301	1/2"	153	\$85.91	8
8214401	3/4"	224	\$102.66	8
8214501	1"	323	\$149.43	6
8214601	1-1/4"	568	\$206.03	2
8214701	1-1/2"	804	\$257.67	2
8214801	2"	1437	\$420.79	1
8214901	2-1/2"	2661	\$876.39	1
82A14001	3"	4300	\$1,487.30	1
82A14A01	4"	10600	\$2,801.90	1

**SOLDER ENDS - FULL PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8224201	3/8"	99	\$70.30	8
8224301	1/2"	144	\$85.91	8
8224401	3/4"	204	\$102.66	8
8224501	1"	298	\$149.43	6
8224601	1-1/4"	496	\$206.16	2
8224701	1-1/2"	787	\$257.67	2
8224801	2"	1346	\$420.61	1
8224901	2-1/2"	2661	\$802.48	1
82A24001	3"	4300	\$1,487.30	1
82A24A01	4"	10600	\$2,801.90	1

**FULL PORT W/ MALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203B8	1/2"	166	\$108.87	30
82204A8	3/4"	237	\$119.31	24
82205B7	1"	343	\$153.86	12
82206B7	1-1/4"	552	\$219.16	9
82207B2	1-1/2"	851	\$266.43	6
82208B7	2"	1420	\$382.45	4
82209A2	2-1/2"	2681	\$1,398.77	1

**FULL PORT W/ 316 SS BALL & STEM & MALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82243A8	1/2"	166	\$120.58	30
82244B3	3/4"	237	\$147.94	24
82245B1	1"	343	\$206.30	12
82246B0	1-1/4"	552	\$280.95	9
82247B2	1-1/2"	851	\$343.27	6
82248B2	2"	1420	\$470.71	4
82249A2	2-1/2"	2681	\$1,462.68	1

**FULL PORT - OXYGEN CLEANED W/ MALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203K1	1/2"	166	\$120.51	30
82204K1	3/4"	237	\$130.79	24
82205K1	1"	343	\$164.65	16
82206K1	1-1/4"	552	\$233.10	9
82207K1	1-1/2"	851	\$280.39	6
82208K1	2"	1420	\$396.40	2
82209K1	2-1/2"	2681	\$1,440.25	1

**FULL PORT - OXYGEN CLEANED W/ 316 SS BALL & STEM & MALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82243K1	1/2"	166	\$132.00	30
82244K1	3/4"	237	\$158.82	24
82245K1	1"	343	\$220.23	16
82246K1	1-1/4"	552	\$294.88	9
82247K1	1-1/2"	851	\$357.21	6
82248K1	2"	1420	\$484.67	4
82249K1	2-1/2"	2681	\$1,504.26	1
82A240K1	3"	4244	\$2,225.61	1
82A24AK1	4"	10650	\$3,220.02	1

**82 SERIES**

**BRONZE 3-PIECE VALVE**

**FULL PORT W/ FEMALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203C2	1/2"	170	\$104.71	30
82204C3	3/4"	240	\$128.95	12
82205C2	1"	350	\$164.68	12
82206C1	1-1/4"	560	\$223.35	9
82207B8	1-1/2"	860	\$276.92	6
82208C1	2"	1430	\$418.87	4

**FULL PORT - OXYGEN CLEANED W/ FEMALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203K2	1/2"	170	\$116.41	30
82204K2	3/4"	240	\$140.22	12
82205K2	1"	350	\$175.27	12
82206K2	1-1/4"	560	\$237.23	9
82207K2	1-1/2"	860	\$290.89	6
82208K2	2"	1430	\$432.76	4
82209K2	2-1/2"	2681	\$1,440.24	1
82A240K2	3"	4244	\$2,332.73	1

**82 SERIES**

**MEDICAL GAS BRONZE 3-PIECE VALVE**

**OXYGEN CLEANED MALE BRAZED EXT. W/ STAINLESS STEEL LOCKING HANDLE**

PART NO.	SIZE (IN.)	GAUGE PORT	WT./100	PRICE EA.	PIECES/BOX
82203F1	1/2"	1	187	\$174.40	16
82204F1	3/4"	1	289	\$216.81	12
82205F1	1"	1	419	\$249.94	12
82206F1	1-1/4"	1	714	\$344.23	9
82207F1	1-1/2"	1	1018	\$402.60	6
82208F1	2"	1	1678	\$529.90	4
82209F1	2-1/2"	1	2681	\$1,209.76	1

**OXYGEN CLEANED MALE BRAZED EXT. W/ STANDARD LEVER HANDLE**

PART NO.	SIZE (IN.)	GAUGE PORT	WT./100	PRICE EA.	PIECES/BOX
82203F2	1/2"	1	187	\$168.79	16
82204F2	3/4"	1	289	\$211.21	12
82205F2	1"	1	419	\$244.36	12
82206F2	1-1/4"	1	714	\$338.59	9
82207F2	1-1/2"	1	1018	\$385.92	6
82208F2	2"	1	1678	\$513.18	4
82209F2	2-1/2"	1	2681	\$1,216.11	1

**OXYGEN CLEANED MALE BRAZED EXT. W/ STAINLESS STEEL LOCKING HANDLE & 2 GAUGE PORTS**

PART NO.	SIZE (IN.)	GAUGE PORT	WT./100	PRICE EA.	PIECES/BOX
82203F3	1/2"	2	223	\$220.59	16
82204F3	3/4"	2	338	\$284.42	12
82205F3	1"	2	403	\$328.09	12
82206F3	1-1/4"	2	502	\$464.19	9
82207F3	1-1/2"	2	791	\$546.12	6
82208F3	2"	2	1350	\$707.85	4
82209F3	2-1/2"	2	2681	\$1,244.17	1
82A240F3	3"	2	4224	\$3,378.03	1
82A24AF3	4"	2	10060	\$3,823.92	1

**82 SERIES**

**MEDICAL GAS BRONZE 3-PIECE VALVE  
OXYGEN CLEANED MALE BRAZED EXT. W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82243K1	1/2	166	\$132.00	30
82244K1	3/4	237	\$158.82	24
82245K1	1	343	\$220.23	16
82246K1	1-1/4	552	\$294.88	9
82247K1	1-1/2	851	\$357.21	6
82248K1	2	1420	\$484.67	4
82249K1	2-1/2	2681	\$1,504.26	1
82A240K1	3	4244	\$2,225.61	1
82A24AK1	4	10650	\$3,220.02	1

**OXYGEN CLEANED FEMALE BRAZED EXT.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203K2	1/2	170	\$116.41	30
82204K2	3/4	240	\$140.22	12
82205K2	1	350	\$175.27	12
82206K2	1-1/4	560	\$237.23	9
82207K2	1-1/2	860	\$290.89	6
82208K2	2	1430	\$432.76	4
82209K2	2-1/2	2681	\$1,440.24	1
82A240K2	3	4244	\$2,332.73	1

**82LF SERIES**

**LEAD FREE BRONZE 3-PIECE VALVE  
THREADED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF10101	1/4"	104	\$72.91	8
82LF10201	3/8"	102	\$72.91	8
82LF10301	1/2"	155	\$81.95	8
82LF10401	3/4"	227	\$100.16	8
82LF10501	1"	328	\$130.07	6
82LF10601	1-1/4"	562	\$185.57	2
82LF10701	1-1/2"	807	\$227.63	2
82LF10801	2"	1442	\$429.23	1
82LF10901	2-1/2"	2661	\$874.82	1

**SOLDER ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF20301	1/2"	155	\$81.95	8
82LF20401	3/4"	227	\$100.16	8
82LF20501	1"	328	\$130.07	6
82LF20601	1-1/4"	562	\$185.57	2
82LF20701	1-1/2"	807	\$231.97	2
82LF20801	2"	1442	\$437.41	1
82LF20901	2-1/2"	2661	\$874.82	1

**THREADED ENDS - FULL PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF14101	1/4"	104	\$98.09	8
82LF14201	3/8"	102	\$98.09	8
82LF14301	1/2"	155	\$108.69	8
82LF14401	3/4"	227	\$130.07	8
82LF14501	1"	328	\$169.09	6
82LF14601	1-1/4"	562	\$236.73	2
82LF14701	1-1/2"	807	\$302.21	2
82LF14801	2"	1442	\$559.30	1
82LF14901	2-1/2"	2661	\$1,093.53	1

**SOLDER ENDS - FULL PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF24301	1/2"	155	\$106.66	8
82LF24401	3/4"	227	\$130.07	8
82LF24501	1"	328	\$172.31	6
82LF24601	1-1/4"	562	\$241.24	2
82LF24701	1-1/2"	807	\$302.21	2
82LF24801	2"	1442	\$569.96	1
82LF24901	2-1/2"	2661	\$1,093.53	1

**83A SERIES**

**CARBON STEEL 3-PIECE VALVE  
THREADED END - FULL PORT - 1500 LB.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83A14101	1/4"	230	\$106.95	8
83A14201	3/8"	230	\$106.95	8
83A14301	1/2"	230	\$130.05	8
83A14401	3/4"	360	\$172.63	6
83A14501	1"	570	\$215.24	4
83A14601	1-1/4"	1430	\$292.46	2
83A14701	1-1/2"	1430	\$381.57	2
83A14801	2"	2760	\$495.55	1
83R14001*	3"	4115	\$2,051.23	1

**BUTTWELD END - FULL PORT - CLASS 600**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83A54301	1/2"	230	\$138.83	8
83A54401	3/4"	360	\$184.56	6
83A54501	1"	570	\$230.71	4
83A54701	1-1/2"	1438	\$401.80	2
83A54801	2"	2760	\$541.12	1

**SOCKET WELD END - FULL PORT - 1500 LB.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83A24101	1/4"	230	\$106.95	8
83A24201	3/8"	230	\$106.95	8
83A24301	1/2"	230	\$130.05	8
83A24401	3/4"	400	\$172.63	6
83A24501	1"	570	\$215.24	4
83A24601	1-1/4"	1420	\$292.46	2
83A24701	1-1/2"	1438	\$374.44	2
83A24801	2"	2760	\$495.55	1
83R24001*	3	4036	\$2,051.23	1

**83B SERIES**

**CARBON STEEL 3-PIECE VALVE (ANSI B16.34)  
THREADED END - FULL PORT - CLASS 600**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83B14101	1/4"	230	\$148.28	8
83B14201	3/8"	230	\$148.28	8
83B14301	1/2"	230	\$153.83	8
83B14401	3/4"	360	\$212.10	6
83B14501	1"	570	\$278.79	4
83B14601	1-1/4"	1438	\$353.10	2
83B14701	1-1/2"	1438	\$484.35	2
83B14801	2"	2760	\$883.79	1

**BUTTWELD END - FULL PORT - CLASS 600**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83B54301	1/2"	230	\$163.04	8
83B54401	3/4"	360	\$224.77	6
83B54501	1"	570	\$295.44	4
83B54701	1-1/2"	1438	\$504.58	2
83B54801	2"	2760	\$919.94	1

**SOCKET WELD END - FULL PORT - CLASS 600**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83B24101	1/4"	230	\$148.28	8
83B24201	3/8"	230	\$148.28	8
83B24301	1/2"	230	\$153.83	8
83B24401	3/4"	360	\$212.10	6
83B24501	1"	570	\$278.79	4
83B24601	1-1/4"	1438	\$353.10	2
83B24701	1-1/2"	1438	\$484.35	2
83B24801	2"	2760	\$883.79	1

**83R SERIES**

**CARBON STEEL 3-PIECE VALVE**

**THREADED END - FULL PORT - 800 LB. W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83R14701	1-1/2"	754	\$346.87	2
83R14801	2"	1302	\$459.08	1
83R14001	3"	4115	\$2,051.23	1

**SOCKET WELD END - FULL PORT - 800 LB. W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83R24701	1-1/2"	727	\$346.87	2
83R24801	2"	1251	\$459.08	1
83R24001	3"	4036	\$2,051.23	1

**86A SERIES**

**STAINLESS STEEL 3-PIECE VALVE**

**THREADED END - FULL PORT - 1500 LB.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86A10101	1/4"	230	\$191.25	8
86A10201	3/8"	230	\$191.25	8
86A10301	1/2"	230	\$212.07	8
86A10401	3/4"	360	\$305.85	6
86A10501	1"	570	\$367.04	4
86A10601	1-1/4"	1438	\$436.36	2
86A10701	1-1/2"	1438	\$570.96	2
86A10801	2"	2760	\$754.49	1
86R10001*	3"	4115	\$1,955.25	1

**SOCKET WELD END - FULL PORT - 1500 LB.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86A20101	1/4"	230	\$191.25	8
86A20201	3/8"	230	\$191.25	8
86A20301	1/2"	230	\$212.07	8
86A20401	3/4"	398	\$305.85	6
86A20501	1"	570	\$367.04	4
86A20601	1-1/4"	1452	\$436.36	2
86A20701	1-1/2"	1438	\$570.96	2
86A20801	2"	2760	\$754.49	1
86R20001*	3"	4036	\$1,955.23	1

**BUTT WELD END - FULL PORT - 1500 LB. (SCH40)**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86A50301	1/2"	230	\$223.99	8
86A50401	3/4"	360	\$323.50	6
86A50501	1"	570	\$389.77	4
86A50701	1-1/2"	1438	\$605.41	2
86A50801	2"	2760	\$816.06	1



**86B SERIES**

STAINLESS STEEL 3-PIECE VALVE (ANSI B16.34)

**THREADED END - FULL PORT - CLASS 600**

PART NO.	LIST PRICE	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86B10101	0	1/4"	230	\$214.63	8
86B10201	0	3/8"	230	\$214.63	8
86B10301	0	1/2"	230	\$244.08	8
86B10401	0	3/4"	360	\$350.64	6
86B10501	0	1"	570	\$414.84	4
86B10601	0	1-1/4"	1438	\$524.59	2
86B10701	0	1-1/2"	1438	\$701.82	2
86B10801	0	2"	2760	\$1,226.61	1

**SOCKET WELD END - FULL PORT - CLASS 600**

PART NO.	LIST PRICE	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86B20101	0	1/4"	230	\$214.63	8
86B20201	0	3/8"	230	\$214.63	8
86B20301	0	1/2"	230	\$244.10	8
86B20401	0	3/4"	360	\$344.09	6
86B20501	0	1"	570	\$407.09	4
86B20601	0	1-1/4"	1438	\$524.60	2
86B20701	0	1-1/2"	1438	\$688.71	2
86B20801	0	2"	2760	\$1,203.68	1

**BUTTWELD END - FULL PORT - CLASS 600 (SCH40)**

PART NO.	LIST PRICE	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86B50301	0	1/2"	230	\$214.63	8
86B50401	0	3/4"	360	\$214.63	6
86B50501	0	1"	570	\$214.63	4
86B50701	0	1-1/2"	1438	\$214.63	2
86B50801	0	2"	2760	\$214.63	1

**86R SERIES**

STAINLESS STEEL 3-PIECE VALVE

**THREADED END - FULL PORT - 800 LB.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86R10801	2"	1273	\$732.24	1
86R10001	3"	4115	\$1,955.25	1

**SOCKET WELD END - FULL PORT - 800 LB.**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86R20801	2"	1242	\$732.24	1
86R20001	3"	4036	\$1,955.23	1

**83A, 83B, 86A, 86B SERIES**

**ADDERS**

**-04 2-1/4" STEM EXTENSION**

SIZE (IN.)	PRICE EA.
1/4" - 3/4"	\$84.99
1" - 2"	\$121.18

**-14 VENTED BALL (UNIDIRECTIONAL)**

SIZE (IN.)	PRICE EA.
1/4" - 1-1/2"	\$5.50
2"	\$7.31

**-15 ROUND HANDLE**

SIZE (IN.)	PRICE EA.
1/4" - 3/4"	\$60.05
1" - 2"	\$86.03

**-21 UHMWPE TRIM - B SERIES ONLY**

SIZE (IN.)	PRICE EA.
1/4" - 3/4"	\$22.01
1" - 1-1/4"	\$37.43
1-1/2" - 2"	\$38.01

**-24 GRAPHITE STEM PACKING  
B SERIES ONLY**

SIZE (IN.)	PRICE EA.
1/4"	\$6.45
3/8"	\$6.45
1/2"	\$9.06
3/4"	\$10.29
1"	\$12.83
1-1/4"	\$14.12
1-1/2"	\$15.37
2"	\$23.00

**-38 PEEK SEATS, GRAPHITE STEM  
PACKING & GASKETS - B SERIES ONLY**

SIZE (IN.)	PRICE EA.
1/4" - 1/2"	\$225.77
3/4"	\$231.55
1"	\$311.11
1-1/4" - 1-1/2"	\$570.32
2"	\$759.80

**-49 ASSEMBLED DRY**

SIZE (IN.)	PRICE EA.
NPT/SW	No Charge

**-57 CLEANED FOR OXYGEN SERVICE (SS ONLY)**

SIZE (IN.)	PRICE EA.
1/4" - 2"	\$12.83

**-60 GROUNDEDBALL/STEM-ASERIES  
(STANDARD ON 83B & 86B)**

SIZE (IN.)	PRICE EA.
1/4" - 2"	\$7.29

**-62 CENTER SECTION ONLY  
CONSULT CUSTOMER SERVICE**

**-63 NPT x SW**

SIZE (IN.)	PRICE EA.
All Sizes	No Charge

**-66 NPT x BUTTWELD (83A/B)**

SIZE (IN.)	PRICE EA.
1/4"	\$3.01
1/2"	\$3.01
3/4"	\$4.14
1"	\$5.44
1-1/4"	N/A
1-1/2"	\$9.65
2"	\$17.27

**-67 CLEANED FOR INDUSTRIAL GASES  
(CS ONLY)**

SIZE (IN.)	PRICE EA.
1/4" - 2"	\$13.31

**-69 DRILLED/TAPPED PURGE & DRAINS**

SIZE (IN.)	PRICE EA.
1/4" - 1"	\$152.67
1-1/2"	\$174.50
2"	\$185.37

**-70 4" EXTENDED BONNET**

SIZE (IN.)	PRICE EA.
1/4" - 1"	\$392.59
1-1/4" - 1-1/2"	\$479.84
2"	\$512.53

**-76 LIVE LOAD LEVER**

SIZE (IN.)	PRICE EA.
0.25" - 1"	\$74.04
1-1/4" - 1-1/2"	\$135.03
2"	\$148.42

**-77 LIVE LOADED (GEAR/AUTOMATION)**

SIZE (IN.)	PRICE EA.
1/4" - 1"	\$10.55
1-1/4" - 1-1/2"	\$18.36
2"	\$20.19

**-90 EXT. BONNET W/ DOUBLE PACKING**

SIZE (IN.)	PRICE EA.
1/4" - 1"	\$775.94
1-1/2"	\$996.14
2"	\$1,101.02

**-9P EXT. BONNET W/ DOUBLE  
PACKING & PORT**

SIZE (IN.)	PRICE EA.
1/2" - 1"	\$853.27
1-1/2"	\$1,073.48
2"	\$1,178.35

**-SR SPRING RETURN HANDLE**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	78206100	\$122.41
3/4"	78206200	\$125.20
1"	78206300	\$179.59

**83A, 83B, 86A, 86B SERIES  
REPLACEMENT SEAL KITS**

**83A / 86A**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	83A00301	\$40.24
3/4"	83A00401	\$44.87
1"	83A00501	\$46.58
1-1/4"	83A00701	\$81.53
1-1/2"	83A00701	\$81.53
2"	83A00801	\$116.54

**83B / 86B**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	83B00301	\$88.85
3/4"	83B00401	\$93.31
1"	83B00501	\$105.53
1-1/4"	83B00701	\$117.05
1-1/2"	83B00701	\$117.05
2"	83B00801	\$159.41

**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 SERIES**

**CF8M STAINLESS STEEL VALVE - ASME CLASS**

**87A-1: 150 FLANGED ENDS - STANDARD PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A10701A	1-1/2"	9	\$890.89	1
87A10801	2"	18	\$1,088.14	1
87A10901	2-1/2"	27	\$1,416.54	1
87A10001	3"	34.3	\$1,736.33	1
87A10A01	4"	73	\$2,465.27	1
87A10C01	6"	117	\$5,149.33	1
87A10E01	8"	310.3	\$9,155.79	1
87A10G01	10"	525.8	\$15,700.90	1

**87A-7: 300 FLANGED ENDS - STANDARD PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A70701A	1-1/2"	15.7	\$1,027.34	1
87A70801	2"	24.4	\$1,122.14	1
87A70901	2-1/2"	26	\$2,231.99	1
87A70001	3"	54.5	\$2,587.84	1
87A70A01	4"	95	\$3,746.63	1
87A70C01	6"	187	\$7,177.17	1
87A70E01	8"	399.2	\$13,699.40	1
87A70G01	10"	704	\$27,451.43	1

**87A-2: 150 FLANGED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A20301	1/2"	3.35	\$305.74	1
87A20401	3/4"	4.6	\$387.29	1
87A20501	1"	7	\$465.18	1
87A20701	1-1/2"	14.3	\$1,173.66	1
87A20801	2"	25	\$1,472.39	1
87A20901	2-1/2"	30	\$1,913.47	1
87A20001	3"	60	\$2,108.36	1
87A20A01	4"	91	\$3,162.65	1
87A20C01	6"	247.5	\$7,836.70	1
87A20E01	8"	467	\$11,791.92	1
87A20G01	10"	790	\$17,197.66	1
87A20H01	12"	1300	\$37,826.62	1

**87A-9: 300 FLANGED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A90301	1/2"	6	\$545.76	1
87A90401	3/4"	9	\$642.12	1
87A90501	1"	10.5	\$813.30	1
87A90701	1-1/2"	21	\$1,637.30	1
87A90801	2"	37	\$1,883.49	1
87A90901	2-1/2"	50	\$3,006.58	1
87A90001	3"	78	\$3,189.05	1
87A90A01	4"	133	\$4,355.45	1
87A90C01	6"	329.2	\$11,434.23	1
87A90E01	8"	600	\$14,914.84	1
87A90G01	10"	944	\$33,642.84	1
87A90H01	12"	1542	\$39,690.24	1

**87A SERIES**

**ALLOY 20 - ASME CLASS**

**87A-5: 150 FLANGED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A50301	1/2"	3.2	POA	1
87A50401	3/4"	4.6	POA	1
87A50501	1"	7	POA	1
87A50701	1-1/2"	18.2	POA	1
87A50801	2"	26.4	POA	1
87A50001	3"	58.3	POA	1
87A50A01	4"	98	POA	1
87A50C01	6"	247.5	POA	1

**87B SERIES**

CF8M STAINLESS STEEL UNIBODY VALVE - ASME CLASS

**87B-1: 150 FLANGED ENDS - STANDARD PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87B10001	3"	43	\$1,769.41	1
87B10A01	4"	72	\$2,512.23	1
87B10C01	6"	110	\$5,149.33	1
87B10E01	8"	210	\$9,155.79	1
87B10G01	10"	350	\$15,700.90	1

**88A SERIES**

CARBON STEEL VALVE - ASME CLASS

**88A-1: 150 FLANGED ENDS - STANDARD PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A10701A	1-1/2"	9	\$587.72	1
88A10801	2"	18	\$657.43	1
88A10901	2-1/2"	27	\$920.65	1
88A10001	3"	44	\$1,003.57	1
88A10A01	4"	73	\$1,754.75	1
88A10C01	6"	117	\$3,110.44	1
88A10E01	8"	310.3	\$6,687.19	1
88A10G01	10"	525.8	\$11,934.52	1

**88A-1: 150 FLANGED ENDS - STANDARD PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A14701A	1-1/2"	9	\$629.78	1
88A14801	2"	18	\$699.37	1
88A14901	2-1/2"	27	\$951.90	1
88A14001	3"	44	\$1,146.37	1
88A14A01	4"	73	\$1,887.00	1
88A14C01	6"	117	\$4,117.62	1
88A14E01	8"	310.3	\$8,756.79	1
88A14G01	10"	525.8	\$15,107.46	1

**88A-2: 150 FLANGED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A20301	1/2"	3.35	\$256.73	1
88A20401	3/4"	4.6	\$320.93	1
88A20501	1"	7	\$367.98	1
88A20701	1-1/2"	14.3	\$716.31	1
88A20801	2"	25	\$745.41	1
88A20901	2-1/2"	30	\$1,110.54	1
88A20001	3"	60	\$1,310.02	1
88A20A01	4"	91	\$2,074.46	1
88A20C01	6"	247.5	\$4,040.66	1
88A20E01	8"	467	\$7,460.46	1
88A20G01	10"	790	\$16,656.05	1
88A20H01	12"	1300	\$23,566.65	1

**88A-2: 150 FLANGED ENDS - FULL PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A24301	1/2"	3.35	\$288.81	1
88A24401	3/4"	4.6	\$342.31	1
88A24501	1"	7	\$391.80	1
88A24701	1-1/2"	14.3	\$725.95	1
88A24801	2"	25	\$766.61	1
88A24901	2-1/2"	30	\$1,326.87	1
88A24001	3"	60	\$1,344.50	1
88A24A01	4"	91	\$2,105.70	1
88A24C01	6"	247.5	\$4,781.02	1
88A24E01	8"	467	\$9,756.13	1
88A24G01	10"	790	\$17,625.22	1
88A24H01	12"	1300	\$28,692.87	1

**88A-7: 300 FLANGED ENDS - STANDARD PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A70701A	1-1/2"	15.7	\$802.32	1
88A70801	2"	24.4	\$865.82	1
88A70901	2-1/2"	26	\$1,497.65	1
88A70001	3"	54.5	\$1,725.86	1
88A70A01	4"	95	\$2,599.65	1
88A70C01	6"	187	\$4,600.76	1
88A70E01	8"	399.2	\$7,992.43	1
88A70G01	10"	704	\$14,321.39	1

**88A-7: 300 FLANGED ENDS - STANDARD PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A74701A	1-1/2"	15.7	\$887.88	1
88A74801	2"	24.4	\$959.08	1
88A74901	2-1/2"	26	\$1,604.61	1
88A74001	3"	54.5	\$1,947.65	1
88A74A01	4"	95	\$2,886.30	1
88A74C01	6"	187	\$5,232.94	1
88A74E01	8"	265	\$8,953.90	1
88A74G01	10"	401	\$16,725.15	1

**88A SERIES**

CARBON STEEL VALVE - ASME CLASS

**88A-9: 300 FLANGED ENDS - FULL PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A90301	1/2"	6	\$325.78	1
88A90401	3/4"	9	\$359.45	1
88A90501	1"	10.5	\$494.22	1
88A90701	1-1/2"	21	\$1,067.07	1
88A90801	2"	37	\$1,235.57	1
88A90901	2-1/2"	50	\$1,620.18	1
88A90001	3"	78	\$1,909.51	1
88A90A01	4"	133	\$2,695.78	1
88A90C01	6"	329.2	\$7,413.39	1
88A90E01	8"	600	\$10,581.99	1
88A90G01	10"	944	\$21,561.20	1
88A90H01	12"	1542	\$25,860.97	1

**88A-9: 300 FLANGED ENDS - FULL PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A94301	1/2"	6	\$348.22	1
88A94401	3/4"	9	\$393.16	1
88A94501	1"	10.5	\$550.38	1
88A94701	1-1/2"	21	\$1,179.42	1
88A94801	2"	37	\$1,404.08	1
88A94901	2-1/2"	50	\$1,890.25	1
88A94001	3"	78	\$2,134.19	1
88A94A01	4"	133	\$3,145.10	1
88A94C01	6"	329.2	\$8,312.00	1
88A94E01	8"	600	\$11,452.79	1
88A94G01	10"	944	\$23,642.55	1
88A94H01	12"	1542	\$30,889.86	1

**88B SERIES**

CARBON STEEL UNIBODY VALVE - ASME CLASS

**88B-1: 150 FLANGED ENDS - STANDARD PORT**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88B10001	3"	43	\$1,003.57	1
88B10A01	4"	72	\$1,754.75	1
88B10C01	6"	110	\$3,110.44	1
88B10E01	8"	210	\$6,687.19	1
88B10G01	10"	350	\$11,934.52	1

**88B-1: 150 FLANGED ENDS - STANDARD PORT W/ 316 SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88B14001	3"	43	\$1,168.20	1
88B14A01	4"	72	\$1,887.00	1
88B14C01	6"	110	\$4,117.62	1
88B14E01	8"	210	\$8,756.79	1
88B14G01	10"	350	\$15,107.46	1

**FLANGED VALVE**

**ADDERS**

**-04 2-1/4" CS EXTENDED STEM**  
87A, 87B/88A, 88B

STANDARD PORT	FULL PORT	ADDER
1" - 1-1/4"	-	\$43.77
1-1/2" - 2"	-	\$46.13
	1/2" - 3/4"	\$73.42
1-1/2" - 3"	1" - 2-1/2"	\$104.87

**-10 STAINLESS STEEL LEVER & NUT**  
88A/88B

SIZE (IN.)	ADDER
1/2" - 1"	\$6.55
1-1/2" - 2-1/2"	\$9.80

**-12 STAMPED "157 SWP" AND BAGGED**  
ADD \$2.48 TO LIST

**-13 STAMPED "157 SWP"**

1/2" - 1": ADD \$1.51 TO LIST  
1-1/4" - 2": ADD \$2.45 TO LIST

**-14 VENTED BALL (UNIDIRECTIONAL)**  
MUST HAVE STAINLESS STEEL BALL & STEM

SIZE (IN.)	ADDER
thru 1-1/2"	\$5.22
2"	\$6.98
3", 4", 6" Valves	\$57.83
8", 10", 12" Valves	\$92.50

**-15 ROUND HANDLE FOR FLANGED VALVES**

	SIZE (IN.)	ADDER
Standard Port	1-1/2"	\$71.13
	2" - 2-1/2"	\$116.47
Full Port	1/2" - 1"	\$74.50
	1-1/2" - 2-1/2"	\$116.47

**-21 UHMWPE SEATS & GRAPHITE STEM PACKING**

87A/87B-100 | 87A-200 | 88A/88B-100 | 88A-200

STANDARD	FULL PORT	ADDER
1/2" - 1"	-	\$20.95
1-1/2" - 2-1/2"	1"	\$35.64
3"	1-1/2" - 2-1/2"	\$36.19
4"	-	\$102.79
6"	-	\$144.72
-	3"	\$121.64
-	4"	\$192.96
8"	6"	\$388.01
10"	8"	\$964.77
-	10"	\$1,447.19
-	12"	\$2,244.18

**-24 GRAPHITE STEM PACKING**  
FLANGED

SIZE (IN.)	ADDER
1/2" - 1"	\$6.98
1-1/2" - 2-1/2"	\$13.91
3" - 4"	\$20.95
6" - 12"	\$14.95

**-35 VIRGIN TFE (PTFE) TRIM**  
87A/B | 88A/B

SIZE (IN.)	ADDER
1/2" - 1"	\$0.88
1-1/2" - 2"	\$1.70
2-1/2" - 4"	\$2.65
6"	\$41.95
8" & up	\$104.87

**-38 PEEK SEATS, GRAPHITE STEM PACKING & GASKETS**

87A | 88A

STANDARD PORT	FULL PORT	LIST ADDER
--	1/2"	477.98
--	3/4"	500.17
1-1/2"	1"	542.49
2"	1-1/2"	955.91
2-1/2"	2"	1004.34
3"	2-1/2"	1486.31
4"	3"	1948.15
6"	4"	2992.77

**-49 ASSEMBLED DRY**

SIZE (IN.)	ADDER
1/2" - 2"	\$10.93
2-1/2" - 6"	\$32.71

**-57 CLEANED FOR OXYGEN SERVICE**  
STAINLESS STEEL ONLY

SIZE (IN.)	ADDER
1/2" - 2"	\$12.21
2-1/2" - 6"	\$36.49
8", 10", 12"	\$115.63

**-59 STAINLESS STEEL BOLTING (88A)**

SIZE (IN.)	STANDARD PORT	FULL PORT
1/2" - 2"	N/A	\$31.15
2-1/2" - 3"	40.90	\$51.91
4"	40.90	\$72.71
6"	57.25	\$93.48
8"	73.61	\$311.58
10"	245.37	\$415.45
12"	N/A	\$519.29

**-65 MULTIFILL PTFE SEATS, GRAPHITE SEALS & PACKING**

87/88B-100 | 87/88A -200/900 | 87A/88A-100/700

FULL PORT	STANDARD PORT	ADDER
1/2"	--	\$10.72
3/4"	--	\$10.72
1"	1-1/2"	\$17.38
1-1/2"	2"	\$17.38
2"	2-1/2"	\$20.23
2-1/2"	3"	\$20.23
3"	4"	\$33.48
4"	6"	\$50.82
6"	8"	\$177.91
8"	10"	\$724.04
10"	--	\$1,405.98
12"	--	\$1,551.17

**-67 CLEANED FOR INDUSTRIAL GASES**

SIZE (IN.)	ADDER
1/2" - 2"	\$12.09
2-1/2" - 6"	\$34.92
8", 10", 12"	\$110.65

**-69 DRILLED/TAPPED PURGE & DRAINS**  
87A/88A

SIZE (IN.)	ADDER
1/2" - 1"	\$145.39
1-1/2"	\$166.18
2"	\$176.53
2-1/2"	\$207.70
3"	\$218.09
4"	\$228.49
6"	\$311.58
8"	\$477.75
10"	\$913.94
12"	P.O.A.

**FLANGED VALVE**

**ADDERS**

**-70 4" EXTENDED BONNET W/ PTFE TRIM**  
87A/88A-100/700

	STANDARD PORT	ADDER
1-1/2"	78208701	\$485.23
2"	78208901	\$593.06
2-1/2" - 3"	78209101	\$633.49
4" - 6"	78195201	\$795.87
8" - 10"	78195401	\$1,728.07

87A/88A-200/900

	FULL PORT	ADDER
1/2"	78193801	\$462.13
3/4"	78194201	\$462.13
1"	78208701	\$485.23
1-1/2"	78208901	\$593.06
2" & 2-1/2"	78209101	\$633.49
3" & 4"	78195201	\$795.87
6" & 8"	78195401	\$1,728.07

**-73 SPIRAL WOUND GASKETS**  
**316SS W/ PTFE FILLER**

87A/88A-100/700 | 87b/88b-100

STANDARD PORT	ADDER
1"	\$17.87
1-1/2"	\$17.87
2"	\$17.87
2-1/2"	\$17.87
3"	\$17.87
4"	\$26.76
6"	\$35.71
8"	\$62.54
10"	\$89.29
12"	--

87A/88A-200/900

FULL PORT	ADDER
1"	\$20.76
1-1/2"	\$20.76
2"	\$20.76
2-1/2"	\$20.76
3"	\$31.15
4"	\$41.55
6"	\$72.71
8"	\$103.86
10"	\$186.95
12"	\$207.70

**-76 LIVE LOAD FOR MANUAL-FLANGED**  
87A/88A-100/700 | 87B/88B-100

STANDARD PORT	ADDER
1"	\$18.94
1-1/2"	\$19.61
2"	\$19.61
2-1/2"	\$19.61
3"	\$19.61
4"	\$29.37
6"	\$39.19

87A/88A-200/900

FULL PORT	ADDER
1-1/2" - 1"	\$74.04
1-1/4" - 1-1/2"	\$135.03
2" - 2-1/2"	\$148.42
3" - 4"	\$227.45
6" - 8"	\$311.47
10" - 12"	\$399.34

**-77 LIVE LOAD FOR AUTOMATED-FLANGED**  
87A/88A-100/700 | 87B/88B-100

STANDARD PORT	ADDER
1-1/2" - 2"	\$18.36
2-1/2" - 3"	\$20.19
4" - 6"	\$30.91
8" - 10"	\$70.05
12"	NA

87A/88A-200/900

FULL PORT	ADDER
1/2" - 1	\$10.55
1-1/4" - 1-1/2"	\$18.36
2" - 2-1/2"	\$20.19
3" - 4"	\$30.91
6" - 8"	\$70.05
10" - 12"	\$95.30

**-80 MULTISEAL SEATS**

87A/87B | 88A/88B

STANDARD PORT	FULL PORT	ADDER
1-1/2" - 2-1/2"	1/2" - 2"	\$10.38
3"	2-1/2"	\$20.76
4"	3"	\$20.76
6"	4"	\$20.76
8"	6"	\$321.97
10"	8"	\$415.45
	10"	\$566.29
	12"	\$669.79



**FLANGED VALVE**

**ADDERS**

**-82 FLAT FACE FLANGES**

87A | 88A

STANDARD PORT	ADDER	FULL PORT	ADDER
1/2"	\$76.16	1/2"	\$76.33
3/4"	\$76.16	3/4"	\$76.33
1"	\$101.77	1"	\$101.77
1-1/2"	\$101.77	1-1/2"	\$101.77
2"	\$152.59	2"	\$152.59
2-1/2"	\$152.59	2-1/2"	\$152.59
3"	\$305.26	3"	\$305.26
4"	\$305.26	4"	\$305.26
6"	\$459.00	6"	\$606.52
8"	\$610.49	8"	\$813.96
10"	\$924.97	10"	\$1,017.47
		12"	\$1,220.96

**-90 EXTENDED BONNET W/ DOUBLE PACKING**

87A/88A-100/700

	STANDARD PORT	ADDER
1-1/2"	78209401	\$959.08
2"	78209601	\$1,231.24
2-1/2" - 3"	78209801	\$1,360.89
4" - 6"	78196601	\$1,499.68
8" - 10"	78196801	\$3,230.07

87A/88A-200/900

	FULL PORT	ADDER
1/2"	78195601	\$853.65
3/4"	78195801	\$853.65
1"	78209401	\$959.08
1-1/2"	78209601	\$1,231.24
2" - 2-1/2"	78209801	\$1,360.89
3" - 4"	78196601	\$1,499.68
6" - 8"	78196801	\$3,230.07

**-9P EXT. BONNET W/ DOUBLE PACKING & PORT**

87A/88A-100/700

	ADDER
1-1/2"	\$837.05
2"	\$1,052.63
2-1/2" & 3"	\$1,155.33
4" & 6"	\$1,411.99
8" & 10"	\$2,951.96

87A/88A-200/900

	ADDER
1/2"	\$837.05
3/4"	\$837.05
1"	\$837.05
1-1/2"	\$1,052.63
2" & 2-1/2"	\$1,155.33
3" & 4"	\$1,411.99
6" & 8"	\$2,951.96

**-EF GRAPHITE, LOW FUGITIVE EMISSIONS SYSTEM**

Class 150: 87A-1/88A-1 | 87A-2/88A-2

Class 300: 87A-7/88A-7 | 87A-9/88A-9

STANDARD PORT	FULL PORT	ADDER
1-1/2"	1"	\$42.28
2"	1-1/2"	\$75.49
2-1/2" - 3"	2" - 2-1/2"	\$104.74
4" - 6"	3" - 4"	\$195.34
8" - 10"	6" - 8"	\$390.58
-	10" - 12'	\$660.63

**-MG W/ STANDARD HANDWHEEL**

150/300 CLASS

SIZE (IN.)	STD PORT	FULL PORT
1.5, 2, 2.5	\$611.50	\$611.50
3	\$713.43	\$713.28
4	\$733.82	\$937.63
6	\$937.63	\$1,304.55
8	\$1,304.55	\$1,406.48
10	\$1,406.48	\$2,731.43
12		\$2,731.43

**-MH W/ STANDARD HANDWHEEL & LOCKING DEVICE**

150/300 CLASS

SIZE (IN.)	STD PORT	FULL PORT
1.5, 2, 2.5	\$748.41	\$748.41
3	\$876.48	\$876.48
4	\$896.86	\$1,100.73
6	\$1,100.73	\$1,488.00
8	\$1,487.56	\$1,661.29
10	\$1,579.71	\$2,904.66
12		\$2,904.66

**FLANGED VALVE**

SEAL KITS

**-01 VALVES ONLY**

87A/B | 88A/B

STANDARD PORT	FULL PORT	KIT NUMBER	LIST PRICE
-	1"	87A-025-01	32.14
1-1/2	-	87A-017-01	25.71
-	1-1/2"	87A-027-01	36.41
2	-	87A-018-01	38.53
2-1/2	2"	87A-028-01	74.93
3	2-1/2"	87A-029-01	81.39
4	3"	87A-020-01	128.49
6"	4"	87A-02A-01	171.34
8"	6"	87A-02C-01	385.47
10"	8"	87A-02E-01	652.44
-	10"	87A-02G-01	2398.54
-	12"	87A-02H-01	2527.03

**87A-F SERIES**

STAINLESS STEEL VALVE - ASME CLASS

600 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87AF05XX	1"	13	\$1,090.66	1
87AF07XX	1.5"	32	\$1,908.65	1
87AF08XX	2"	53	\$2,412.49	1
87AF09XX	2.5"	65	\$3,503.14	1
87AF00XX	3"	101	\$3,713.56	1
87AF0AXX	4"	194	\$5,073.92	1
87AF0CXX	6"	500	\$13,316.08	1
87AF0EXX	8"	920	\$17,367.50	1

**88A-F SERIES**

CARBON STEEL VALVE - ASME CLASS

600 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88AF05XX	1"	13	\$838.92	1
88AF07XX	1.5"	32	\$1,184.79	1
88AF08XX	2"	53	\$1,316.44	1
88AF09XX	2.5"	65	\$1,553.41	1
88AF00XX	3"	101	\$1,671.88	1
88AF0AXX	4"	194	\$3,835.08	1
88AF0CXX	6"	500	\$7,935.91	1
88AF0EXX	8"	920	\$14,997.45	1

600 FLANGED ENDS - FULL PORT W/ SS BALL & STEM

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88AF45XX	1"	13	\$864.08	1
88AF47XX	1.5"	32	\$1,294.63	1
88AF48XX	2"	53	\$1,438.46	1
88AF49XX	2.5"	65	\$1,796.87	1
88AF40XX	3"	101	\$1,976.08	1
88AF4AXX	4"	194	\$4,069.22	1
88AF4CXX	6"	500	\$8,173.99	1
88AF4EXX	8"	920	\$16,282.35	1

**CLASS 600 FLANGED VALVES**

**ADDERS**

**-04 2-1/4" EXTENDED STEM**

SIZE (IN.)	ADDER
1"	POA
1-1/2"	POA
2"	POA
2-1/2"	N/A
3"	N/A
4"	N/A
6"	N/A
8"	N/A

**-14 VENTEDBALL(UNIDIRECTIONAL)**

MUST HAVE SS BALL & STEM

87A-F0x / 88A-F4x ONLY

SIZE (IN.)	ADDER
1"	\$5.22
1-1/2"	\$5.22
2"	\$6.98
2-1/2"	\$57.83
3"	\$57.83
4"	\$57.83
6"	\$57.83
8"	\$92.50

**-21 UHMWPE SEATS**

GRAPHITE PACKING, SPIRAL WOUND GRAPHITE BODY SEAL, PEEK BEARING

SIZE (IN.)	ADDER
1"	\$11.73
1-1/2"	\$17.61
2"	\$23.47
2-1/2"	\$29.34
3"	\$35.20
4"	\$46.93
6"	\$70.40
8"	\$93.86

**-24 GRAPHITE STEM PACKING**

SPIRAL WOUND GRAPHITE BODY SEAL, RPTFE BEARING, (API 607, 6TH EDITION, ISO 10497:2010) AVAILABLE WITH -80 SEAT.

SIZE (IN.)	ADDER
1"	\$6.98
1-1/2"	\$13.91
2"	\$13.91
2-1/2"	\$13.91
3"	\$20.95
4"	\$20.95
6"	\$41.95
8"	\$41.95

**-26 CHLORINE SERVICE**

VENTED, SPECIAL CLEANING, ASSEMBLED DRY (CS, HC & MONEL ONLY)

SIZE (IN.)	ADDER
1"	POA
1-1/2"	POA
2"	POA
2-1/2"	POA
3"	POA
4"	POA
6"	POA
8"	POA

**-38 PEEK SEATS**

PEEK BEARING, GRAPHITE PACKING, SPIRAL WOUND GRAPHITE BODY SEALS

SIZE (IN.)	ADDER
1"	\$542.49
1-1/2"	\$955.91
2"	\$1,004.34
2-1/2"	\$1,486.31
3"	\$1,948.15
4"	\$2,992.76
6"	\$4,725.49
8"	\$6,855.12

**-45 LESS LEVER & NUT BARE STEM**

SIZE (IN.)	ADDER
1"	POA
1-1/2"	POA
2"	POA
2-1/2"	POA
3"	POA
4"	POA
6"	POA
8"	POA

**-49 NO LUBRICATION ASSEMBLED DRY**

SIZE (IN.)	ADDER
1"	No Charge
1-1/2"	No Charge
2"	No Charge
2-1/2"	No Charge
3"	No Charge
4"	No Charge
6"	No Charge
8"	No Charge

**-57 OXYGEN CLEANED 87A-F0x ONLY**

SIZE (IN.)	ADDER
1"	\$12.21
1-1/2"	\$12.21
2"	\$12.21
2-1/2"	\$36.49
3"	\$36.49
4"	\$36.49
6"	\$36.49
8"	\$115.63

**-67 CLEANED FOR INDUSTRIAL GAS 87A-F0x / 88A-F4x ONLY**

SIZE (IN.)	ADDER
1"	\$12.21
1-1/2"	\$12.21
2"	\$12.21
2-1/2"	\$36.49
3"	\$36.49
4"	\$36.49
6"	\$36.49
8"	\$115.63

**-69 DRILLED & TAPPED PURGE PORT W/ PLUGS**

SIZE (IN.)	ADDER
1"	\$145.39
1-1/2"	\$166.18
2"	\$176.53
2-1/2"	\$207.70
3"	\$218.09
4"	\$228.49
6"	\$311.58
8"	\$477.75

**-70 4" EXTENDED BONNET**

SIZE (IN.)	ADDER
1"	\$411.28
1-1/2"	\$502.68
2"	\$536.94
2-1/2"	\$708.30
3"	\$1,537.90
4"	POA
6"	POA
8"	POA

**CLASS 600 FLANGED VALVES  
ADDERS**

**-76 LIVELOADED (LEVER OPERATED)**

SIZE (IN.)	ADDER
1"	\$74.04
1-1/2"	\$135.03
2"	\$148.42
2-1/2"	\$148.42
3"	\$227.45
4"	\$227.45
6"	\$311.47
8"	\$311.47

**-77 LIVE LOADED  
(GEAR OPERATOR/ACTUATOR)**

SIZE (IN.)	ADDER
1"	\$10.55
1-1/2"	\$18.36
2"	\$20.19
2-1/2"	\$20.19
3"	\$30.91
4"	\$30.91
6"	\$70.05
8"	\$70.05

**-80 MULTISEAL SEATS**  
PTFE CHEVRON PACKING, SPIRAL WOUND  
PTFE BODY SEAL, PEEK BEARING

SIZE (IN.)	ADDER
All Sizes	No Charge

**-82 FLAT FACE FLANGES**

SIZE (IN.)	ADDER
1"	\$101.77
1-1/2"	\$101.77
2"	\$152.59
2-1/2"	\$152.59
3"	\$305.26
4"	\$305.26
6"	\$606.52
8"	\$813.96

**-90 DOUBLE PACKED 4" EXT. BONNET**

SIZE (IN.)	ADDER
1"	\$759.71
1-1/2"	\$975.29
2"	\$1,077.99
2-1/2"	\$1,077.99
3"	\$1,334.65
4"	\$1,334.65
6"	\$2,874.63
8"	\$2,874.63

**-95 DEVLON® SEATS**  
GRAPHITE PACKING, SPIRAL  
WOUND GRAPHITE BODY SEAL,  
PEEK BEARING

SIZE (IN.)	ADDER
1"	\$25.12
1-1/2"	\$43.07
2"	\$68.25
2-1/2"	\$97.53
3"	\$130.56
4"	\$206.88
6"	\$395.79
8"	\$627.13

**-EF GRAPHITE, LOW FUGITIVE  
EMISSIONS SYSTEM**  
87A-FXX | 88A-FXX

FULL PORT	ADDER
1"	\$66.83
1-1/2"	\$89.57
2"	\$172.74
2-1/2"	\$172.74
3"	\$195.34
4"	\$195.34
6"	\$390.58
8"	\$660.63

**-MG GEAR OPERATOR  
WITH STANDARD HANDWHEEL**

SIZE (IN.)	ADDER
1"	\$482.57
1-1/2"	\$494.20
2"	\$668.62
2-1/2"	\$680.25
3"	\$691.88
4"	\$1,034.91
6"	\$1,046.54
8"	\$1,686.09

**-MP POSITIVE MATERIAL I.D.**

SIZE (IN.)	ADDER
1"	\$71.35
1-1/2"	\$71.35
2"	\$71.35
2-1/2"	\$71.35
3"	\$71.35
4"	\$71.35
6"	\$71.35
8"	\$71.35

**-TC HYDROSTATIC TEST  
WITH CERTIFIED REPORT**

SIZE (IN.)	ADDER
1"	\$38.37
1-1/2"	\$38.37
2"	\$38.37
2-1/2"	\$38.37
3"	\$38.37
4"	\$38.37
6"	\$38.37
8"	\$38.37

**-TD API 6D TEST  
HYDROSTATIC TESTING**

SIZE (IN.)	ADDER
1"	\$47.75
1-1/2"	\$47.75
2"	\$47.75
2-1/2"	\$47.75
3"	\$47.75
4"	\$47.75
6"	\$119.38
8"	\$119.38

**-TR HYDROSTATIC TEST  
WITH CERTIFIED REPORT & MTR**

SIZE (IN.)	ADDER
1"	\$47.68
1-1/2"	\$47.68
2"	\$47.68
2-1/2"	\$47.68
3"	\$47.68
4"	\$47.68
6"	\$47.68
8"	\$47.68

**-TW HYDROSTATIC TEST  
WITH CERTIFIED REPORT & WITNESSED**

SIZE (IN.)	ADDER
1"	\$63.96
1-1/2"	\$63.96
2"	\$63.96
2-1/2"	\$63.96
3"	\$63.96
4"	\$63.96
6"	\$63.96
8"	\$63.96

**CLASS 600 FLANGED VALVES**

**SEAL KITS**

87A-F | 88A-F

SIZE (IN.)	KIT NUMBER	
1"	87AOF580	\$43.14
1"	87AOF52480	\$43.14
1"	87AOF521	\$60.94
1"	87AOF595	\$223.73
1"	87AOF538	\$343.50
1-1/2"	87AOF780	\$64.88
1-1/2"	87AOF72480	\$64.88
1-1/2"	87AOF721	\$64.88
1-1/2"	87AOF795	\$265.12
1-1/2"	87AOF738	\$356.52
2"	87AOF880	\$104.66
2"	87AOF82480	\$104.66
2"	87AOF821	\$148.84
2"	87AOF895	\$265.12
2"	87AOF838	\$444.44
2-1/2"	87AOF980	\$111.63
2-1/2"	87AOF92480	\$111.63
2-1/2"	87AOF921	\$151.29
2-1/2"	87AOF995	\$357.68
2-1/2"	87AOF938	\$1,014.80
3"	87AOF080	\$118.61
3"	87AOF02480	\$118.61
3"	87AOF021	\$161.06
3"	87AOF095	\$357.68
3"	87AOF038	\$1,116.55
4"	87AOFA80	\$420.37
4"	87AOFA2480	\$420.37
4"	87AOFA21	\$449.21
4"	87AOFA95	\$691.31
4"	87AOFA38	\$1,594.93
6"	87AOF80	\$1,288.07
6"	87AOF2480	\$1,288.07
6"	87AOF21	\$1,332.25
6"	87AOF95	\$1,925.87
6"	87AOF38	\$2,626.48
8"	87AOF80	\$1,707.61
8"	87AOF2480	\$1,707.61
8"	87AOF21	\$1,707.61
8"	87AOF95	\$2,297.97
8"	87AOF38	\$6,754.26

**89 SERIES**

**CAST CARBON STEEL VALVE  
THREADED ENDS - MOUNTING PADS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8910101A	1/4"	58	\$40.39	10
8910201A	3/8"	54	\$41.16	10
8910301A	1/2"	63	\$40.39	10
8910401A	3/4"	127	\$52.42	10
8910501A	1"	163	\$73.13	10
8910601	1-1/4"	306	\$167.78	5
8910701	1-1/2"	398	\$212.38	5
8910801	2"	599	\$284.23	2

**SPRING RETURN HANDLE**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8950101A	1/4"	126	\$125.02	10
8950201A	3/8"	125	\$127.40	10
8950301A	1/2"	131	\$125.02	10
8950401A	3/4"	198	\$139.01	5
8950501A	1"	235	\$149.01	5
8950601	1-1/4"	396	\$271.29	4
8950701	1-1/2"	478	\$333.28	2
8950801	2"	666	\$417.81	2

**THREADED ENDS W/ 316SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8914101A	1/4"	58	\$53.92	10
8914201A	3/8"	54	\$53.92	10
8914301A	1/2"	63	\$52.91	10
8914401A	3/4"	127	\$78.41	10
8914501A	1"	163	\$99.75	10
8914601	1-1/4"	306	\$198.09	5
8914701	1-1/2"	398	\$252.80	5
8914801	2"	599	\$329.77	2
8914901	2-1/2"	1557	\$740.53	1
8914001	3"	1679	\$793.93	1

**90 SERIES**

**BRONZE VALVE - UL LISTED  
THREADED ENDS - UNIBODY**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9010301A	1/2"	53	\$20.34	10
9010401A	3/4"	82	\$25.13	10
9010501A	1"	125	\$37.60	10
9010601A	1-1/4"	198	\$64.00	5
9010701A	1-1/2"	299	\$82.88	5
9010801A	2"	464	\$118.02	2

**9A SERIES**

**BRONZE VALVE - UL LISTED  
THREADED ENDS - HEAVY PATTERN**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9A10101	1/4"	73	\$21.57	10
9A10201	3/8"	73	\$21.57	10
9A10301	1/2"	73	\$21.57	10
9A10401	3/4"	110	\$28.52	10
9A10501	1"	173	\$39.59	10
9A10601	1-1/4"	292	\$69.08	5
9A10701	1-1/2"	396	\$89.55	5
9A10801	2"	597	\$127.28	2

**92 SERIES**

**CAST CARBON STEEL VALVE - UNIBODY  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9210101	1/4"	49	\$43.78	10
9210201	3/8"	49	\$43.78	10
9210301	1/2"	49	\$43.78	10
9210401	3/4"	76	\$52.71	10
9210501	1"	121	\$76.65	10
9210601	1-1/4"	195	\$110.43	5
9210701	1-1/2"	292	\$165.51	5
9210801	2"	473	\$211.68	2

**THREADED ENDS W/ 316SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9214101	1/4"	49	\$53.71	10
9214201	3/8"	49	\$53.71	10
9214301	1/2"	49	\$53.71	10
9214401	3/4"	76	\$71.02	10
9214501	1"	121	\$94.07	10
9214601	1-1/4"	195	\$131.80	5
9214701	1-1/2"	292	\$194.04	5
9214801	2"	473	\$240.79	2

**93 SERIES**

**CARBON STEEL VALVE - UNIBODY  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9310101	1/4"	56	\$32.38	10
9310201	3/8"	56	\$32.38	10
9310301	1/2"	56	\$32.38	10
9310401	3/4"	79	\$37.29	10
9310501	1"	127	\$49.91	10
9310601	1-1/4"	226	\$77.53	5
9310701	1-1/2"	357	\$107.31	5
9310801	2"	594	\$139.40	2

**THREADED ENDS W/ 316SS BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9314101	1/4"	56	\$42.86	10
9314201	3/8"	56	\$42.86	10
9314301	1/2"	56	\$42.86	10
9314401	3/4"	79	\$55.35	10
9314501	1"	127	\$66.99	10
9314601	1-1/4"	226	\$98.87	5
9314701	1-1/2"	357	\$135.82	5
9314801	2"	594	\$168.46	2

**7A SERIES**

**CARBON STEEL VALVE - DRY CHLORINE  
THREADED ENDS W/ M35-1 BALL & STEM**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7A13126	1/4"	125	\$364.06	10
7A13226	3/8"	121	\$364.06	10
7A13326	1/2"	114	\$364.06	10
7A13426	3/4"	211	\$541.60	10
7A13526	1"	294	\$715.32	10
7A13626	1-1/4"	440	\$822.95	5
7A13726	1-1/2"	704	\$930.59	5
7A13826	2"	1086	\$1,123.02	2

**96 SERIES**

**CF8M STAINLESS STEEL VALVE - UNIBODY  
THREADED ENDS**

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9610101	1/4"	49	\$54.30	10
9610201	3/8"	49	\$55.33	10
9610301	1/2"	49	\$54.30	10
9610401	3/4"	76	\$75.25	10
9610501	1"	121	\$90.75	10
9610601	1-1/4"	195	\$137.52	5
9610701	1-1/2"	292	\$207.34	5
9610801	2"	473	\$246.24	2



**60B SERIES**

**BAR STOCK NEEDLE VALVE  
CARBON STEEL NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
60B10101	1/4	FNPT	PTFE	123	\$82.34
60B10124			Grafoil		\$74.64
60B10201	3/8	FNPT	PTFE	119	\$88.63
60B10224			Grafoil		\$76.95
60B10301	1/2	FNPT	PTFE	164	\$101.02
60B10324			Grafoil		\$88.21
60B10401	3/4	FNPT	PTFE	334	\$167.73
60B10424			Grafoil		\$147.03
60B10501	1	FNPT	PTFE	465	\$204.88
60B10524			Grafoil		\$172.11
60B12101	1/4	SW	PTFE	123	
60B12124			Grafoil		\$76.07
60B12301	1/2	SW	PTFE	164	\$102.94
60B12324			Grafoil		\$89.89
60B12401	3/4	SW	PTFE	334	\$167.73
60B12424			Grafoil		\$149.83
60B12501	1	SW	PTFE	465	\$204.88
60B12524			Grafoil		\$172.11

**316SS NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
60B70101	1/4"	FNPT	PTFE	123	\$139.17
60B70124			Grafoil		\$140.65
60B70201	3/8"	FNPT	PTFE	119	\$142.66
60B70224			Grafoil		\$144.27
60B70301	1/2"	FNPT	PTFE	164	\$172.12
60B70324			Grafoil		\$173.67
60B70401	3/4"	FNPT	PTFE	334	\$300.88
60B70424			Grafoil		\$304.78
60B70501	1"	FNPT	PTFE	465	\$383.82
60B70524			Grafoil		\$390.12
60B72101	1/4"	SW	PTFE	123	\$139.17
60B72124			Grafoil		
60B72201	3/8"	SW	PTFE	119	\$142.66
60B72224			Grafoil		
60B72301	1/2"	SW	PTFE	164	\$175.39
60B72324			Grafoil		\$176.98
60B72401	3/4"	SW	PTFE	334	\$300.88
60B72424			Grafoil		\$304.78
60B72501	1"	SW	PTFE	465	\$383.82
60B72524			Grafoil		\$0.00

**CARBON STEEL ANGLE NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
60B20101	1/4"	FNPT	PTFE	80	\$79.54
60B20124			Grafoil		\$73.22
60B20201	3/8"	FNPT	PTFE	90	\$89.22
60B20224			Grafoil		\$78.42
60B20301	1/2"	FNPT	PTFE	120	\$104.40
60B20324			Grafoil		\$91.34
60B20401	3/4"	FNPT	PTFE	320	\$195.24
60B20424			Grafoil		
60B20501	1"	FNPT	PTFE	500	\$233.55
60B20524			Grafoil		\$233.55

**316SS ANGLE NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
60B80101	1/4"	FNPT	PTFE	80	\$172.44
60B80124			Grafoil		\$173.95
60B80201	3/8"	FNPT	PTFE	90	
60B80224			Grafoil		
60B80301	1/2"	FNPT	PTFE	120	\$243.35
60B80324			Grafoil		\$244.92
60B80401	3/4"	FNPT	PTFE	320	\$570.85
60B80424			Grafoil		
60B80501	1"	FNPT	PTFE	500	\$866.84
60B80524			Grafoil		

**-07 TEE HANDLE**

SIZE		ADDER
1/4	Cross Handle replaced by Tee Handle	\$5.06
3/8	Cross Handle replaced by Tee Handle	\$5.06
1/2	Cross Handle replaced by Tee Handle	\$5.06

**-09 LOCK BONNET**

SIZE	ADDER
1/4	\$23.62
3/8	\$23.62
1/2	\$26.82
3/4	\$30.01
1	\$31.05

**-88 PANEL MOUNT**

SIZE	ADDER
1/4	\$25.72
3/8	\$25.72
1/2	\$30.01
3/4	\$31.93
1	\$34.97

**-24 GRAFOIL PACKING**

See pricing of valve with optional Grafoil packing in tables above. If other options are also desired, add the appropriate suffix to the code in Numerical order (either before or after the suffix 24) see note below.

**-57 OXYGEN CLEANED - STAINLESS STEEL**

See standard valve adder section

**NOTES:**

Suffix "01" is the standard configuration. Options are specified by replacing the "01" with an option code(s) in Numerical Order.

Examples:

60B10101                      Standard Configuration  
 60B10124                      with Grafoil Packing  
 60B1010924                      with Lock Bonnet and Grafoil Packing

**60A SERIES  
BAR STOCK NEEDLE VALVE  
CARBON STEEL NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
60A10101	1/4"	FNPT	PTFE	123	\$82.34
60A10124			Grafoil		\$76.07
60A10201	3/8"	FNPT	PTFE	119	\$88.63
60A10224			Grafoil		\$78.42
60A10301	1/2"	FNPT	PTFE	164	\$102.94
60A10324			Grafoil		\$89.89
60A10401	3/4"	FNPT	PTFE	334	\$167.73
60A10424			Grafoil		\$149.83
60A10501	1"	FNPT	PTFE	465	\$204.88
60A10524			Grafoil		\$172.11
60A12101	1/4"	SW	PTFE	123	\$82.34
60A12124			Grafoil		\$76.07
60A12201	3/8"	SW	PTFE	119	\$88.63
60A12224			Grafoil		\$78.42
60A12301	1/2"	SW	PTFE	164	\$102.94
60A12324			Grafoil		\$89.89
60A12401	3/4"	SW	PTFE	334	\$167.73
60A12424			Grafoil		\$149.83
60A12501	1"	SW	PTFE	465	\$204.88
60A12524			Grafoil		\$172.11

**316SS NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
60A70101	1/4"	FNPT	PTFE	123	\$136.57
60A70124			Grafoil		\$140.65
60A70201	3/8"	FNPT	PTFE	119	\$142.66
60A70224			Grafoil		\$144.27
60A70301	1/2"	FNPT	PTFE	164	\$175.39
60A70324			Grafoil		\$176.98
60A70401	3/4"	FNPT	PTFE	334	\$300.88
60A70424			Grafoil		\$304.78
60A70501	1"	FNPT	PTFE	465	\$383.82
60A70524			Grafoil		\$390.12
60A72101	1/4"	SW	PTFE	123	\$139.17
60A72124			Grafoil		\$140.65
60A72201	3/8"	SW	PTFE	119	\$142.66
60A72224			Grafoil		\$144.27
60A72301	1/2"	SW	PTFE	164	\$175.39
60A72324			Grafoil		\$176.98
60A72401	3/4"	SW	PTFE	334	\$300.88
60A72424			Grafoil		\$304.78
60A72501	1"	SW	PTFE	465	\$383.82
60A72524			Grafoil		\$390.12

**-07 TEE HANDLE**

SIZE		ADDER
1/4	Cross Handle replaced by Tee Handle	\$5.06
3/8	Cross Handle replaced by Tee Handle	\$5.06
1/2	Cross Handle replaced by Tee Handle	\$5.06

**-24 GRAFOIL PACKING**

See pricing of valve with optional Grafoil packing in tables above. If other options are also desired, add the appropriate suffix to the code in numerical order (either before or after the suffix 24) see note below.

**-57 OXYGEN CLEANED - STAINLESS STEEL**

See standard valve adder section

**-09 LOCK BONNET**

SIZE	ADDER
1/4	\$23.62
3/8	\$23.62
1/2	\$26.82
3/4	\$30.01
1	\$31.05

**-88 PANEL MOUNT**

SIZE	ADDER
1/4	\$25.72
3/8	\$25.72
1/2	\$30.01
3/4	\$31.93
1	\$34.97

**NOTES:**

Suffix "01" is the standard configuration. Options are specified by replacing the "01" with an option code(s) in Numerical Order.

Examples:

60A10101                      Standard Configuration  
 60A10124                      with Grafoil Packing  
 60A1010924                      with Lock Bonnet and Grafoil Packing

**60 SERIES**

**BRASS BAR STOCK NEEDLE VALVE  
BRASS NEEDLE**

PRODUCT	SIZE (IN.)	ENDS	PACKING	WT./100	PRICE EA.
6090101	1/4"	FNPT	Grafoil		\$82.53
6090105			PTFE		
6090201	3/8"	FNPT	Grafoil		\$82.53
6090205			PTFE		
6090301	1/2"	FNPT	Grafoil		\$88.49
6090301			PTFE		\$88.49

**NOTES:**

Suffix "01" is the standard configuration. Options are specified by replacing the "01" with an option code(s) in Numerical Order.

Examples:

6010101                      Standard Configuration  
6010124                      with Grafoil Packing  
601010924                    with Lock Bonnet and Grafoil Packing

**-09 LOCK BONNET**

SIZE	ADDER
1/8"	\$26.19
1/4"	\$27.01
3/8"	\$27.01
1/2"	\$31.52

**-88 PANEL MOUNT**

SIZE	ADDER
1/8"	\$24.80
1/4"	\$24.80
3/8"	\$24.80
1/2"	\$28.16
3/4"	\$31.52
1"	\$32.61

**61 SERIES**

**BALL CONE CHECK VALVE  
BRONZE**

PART NO.	SIZE (IN.)	SEAT
61-100 Series	1/4" - 3" F Threaded	Standard RTFE
61-200 Series	1/4" - 2" Threaded M x F	Standard RTFE
61-500 Series	1/4" - 2" F Threaded	Soft
61-600 Series	1/2" - 2" Solder	Standard RTFE
61Y Swing Checks	1/4" - 3" Threaded or Solder	Bronze/Soft

**SEE COMMERCIAL PRICE LIST CPPL9000**

**61LF SERIES**

**LEAD FREE BALL CONE CHECK VALVE  
BRONZE**

PART NO.	SIZE (IN.)	SEAT
61LF-100 Series	1/4" - 3" F Threaded	Standard RTFE
61LF-500 Series	1/4" - 2 F Threaded	Soft
61LF-600 Series	1/2" - 2 Solder	Soft
61YLF Series	1/4" - 2 Threaded or Solder	LF Bronze/Soft

**SEE COMMERCIAL PRICE LIST CPPL9000**

**62 SERIES**

**BALL CONE CHECK VALVE  
316 STAINLESS STEEL**

PART NO.	SIZE (IN.)	SEAT
62-100 Series	1/4" - 2" F Threaded	Standard RTFE
62-500 Series	1/4" - 1" F Threaded	Soft

**SEE COMMERCIAL PRICE LIST CPPL9000**

**STANDARD VALVES  
ADDERS**

**APOLLO® PACKING WRENCH**

PART NO.		PRICE
H371400	Domestic Valves	\$10.45
H380700	Apollo International™ Valves	\$14.93

**-02 GROUNDED STEM**

	LIST PRICE
Stem Grounded Only	\$1.02

**-04 2-1/4" CS EXTENDED**

70 SERIES	72-A	77 SERIES, 7K	82 SERIES	ADDER
1/4" - 1/2"	—	1/4" - 1/2"	1/4" - 3/8"	\$10.38
3/4" - 1"	—	3/4"	1/2" - 3/4"	\$11.34
1-1/4" - 2"	1" - 1-1/2"	1" - 1-1/4"	1" - 1-1/4"	\$13.85
2-1/2" - 3"	—	1-1/2" - 2-1/2"	1-1/2" - 2"	\$18.23

**-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)**

ADD \$3.94 TO LIST

**-10 STAINLESS STEEL LEVER & NUT**

70, 73A, 9A	72-A	82 SERIES	75 SERIES	ADDER
1/4" - 1/2"	—	1/4" - 3/8"	—	\$2.68
3/4" - 1"	1/4" - 3/4"	1/2" - 3/4"	—	\$4.41
1-1/4" - 2"	1" - 1-1/2"	1" - 1-1/4"	—	\$5.61
2-1/2" - 3"	—	1-1/2" - 2"	1/2" - 1"	\$7.91
4"	2"	—	1-1/4" - 2"	\$12.54

72 (BAR STOCK), 73-3, 73-4	93-100	ADDER
—	1/2" - 3/4"	\$3.30
1/2" - 3/4"	1" - 1-1/4"	\$3.94
1"	1-1/2"	\$6.48
1-1/4" - 1-1/2"	2"	\$9.71

**-11 THERMA-SEAL™ INSULATING TEE HANDLE**

70 & 71 SERIES	77 & 82 SERIES	ADDER
1/4" - 1/2"	1/4" - 1/2"	\$22.83
3/4" - 1"	3/4"	\$25.78
1-1/4" - 1-1/2"	1" - 1-1/2"	\$42.71
2"	2"	\$55.81

**-11 THERMA-SEAL™ HANDLE KIT**

70 & 71 SERIES	77 SERIES	82 SERIES	KIT NUMBER	PRICE EA.
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	78219001	\$15.81
3/4" - 1"	3/4"	1/2" - 3/4"	78219101	\$15.81
1-1/4" - 2"	1" - 2"	1" - 2"	78219201	\$22.56

**-14 VENTED BALL (UNIDIRECTIONAL)  
BRONZE OR SS BALL & STEM ONLY**

SIZE (IN.)	ADDER
Bronze Ball, thru 1-1/2"	\$1.73
Stainless Steel, thru 1-1/2"	\$6.31
2" Bronze or SS	\$8.43
2-1/2" Valves	\$49.32
3" - 4" Valves	\$69.76

**-15 STEEL ROUND HANDLE**

70, 73A, 76, 85, 89	82	91, 92, 96	KIT NUMBER	ADDER
1/4" - 1/2"	1/4" - 3/8"	1/4" - 3/4"	H254800	\$8.59
3/4" - 1"	1/2" - 3/4"	1" - 1-1/4"	H254900	\$9.33
1-1/4" - 2"	1" - 2"	1-1/2" - 2"	H260500	\$17.22

73-300	93-100	KIT NUMBER	ADDER
—	1/2" - 3/4"	H256700	\$10.04
1/2" - 3/4"	1" - 1-1/4"	H256800	\$12.33
1"	1-1/2"	H260600	\$17.22

**-16 VERTICAL CHAIN LEVER**

CHAIN NOT INCLUDED

SIZE	KIT NUMBER	ADDER
3/4" - 1"	7840701	\$10.53
1 1/4" - 2"	7840801	\$14.96

**-17 ROUGH CHROME PLATED EXTERIOR  
BRONZE VALVES ONLY**

SIZE	ADDER
1/4" - 1"	\$7.05
1 1/4" - 2"	\$13.85
2 1/2" - 3"	\$27.27

**-18 PLAIN GRIP**

NO ADDITIONAL CHARGE

**-19 LOCK PLATE**

72 (BAR STOCK)	CONVERSION KITS	ADDER
1/2" - 3/4"	7849901	\$29.12
1"	7850001	\$29.67
1-1/4" - 1-1/2"	7848001	\$29.25
2"	7850201	\$33.42

93-100 SERIES	CONVERSION KITS	ADDER
3/4"	7847701	\$24.55
1" - 1 1/4"	7847801	\$24.55
1" - 1/2"	7847901	\$28.32
2"	7848001	\$29.25

76-100 SERIES & 89-100 SERIES	CONVERSION KITS	ADDER
1/4" - 1/2"	7842601	\$26.82
3/4" - 1"	7842701	\$28.74
1 1/4" - 2"	7842801	\$36.24

**STANDARD VALVES**

**ADDERS**

**-20 BALL VENTED THROUGH STEM**  
BRONZE VALVE ONLY - ADD \$1.05 TO LIST

(STANDARD ON ALL CARBON/STAINLESS STEEL VALVES)

**-21 UHMWPE SEATS / GRAPHITE STEM PACKING**

70, 76, 72, 72-A, 73A	82 SERIES	ADDER
1/4" - 1"	1/4" - 1"	\$24.11
1-1/4" - 3"	1-1/4" - 2"	\$41.01

**-24 GRAPHITE STEM PACKING (STANDARD APOLLO®)**  
THREAD/SWEAT

SIZE (IN.)	ADDER
1/4" - 1"	\$2.81
1-1/4" - 3"	\$5.69

**-27 STAINLESS STEEL LATCH LOCK LEVER**

70, 73A, 76, 89	72-A	77, 7K	82	KIT NUMBER	ADDER
1/4" - 1/2"	—	1/4" - 1/2"	—	W648200	\$6.30
3/4" - 1"	1/4" - 3/4"	3/4"	1/2", 3/4"	W648300	\$6.30
1-1/4" - 2"	1" - 1-1/2"	1" - 1-1/4"	1", 1-1/4"	W648400	\$6.30
2-1/2" - 3"	—	1-1/2" - 2-1/2"	1-1/2" - 2"	W683600	\$18.71
4"	2"	—	2-1/2"	W807500	\$78.27

**-30 CAM LOCK HANDLE & GROUND STEM**

70, 73A, 71, 76, 89	77, 7K	9A, 91, 92, 96	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/2" - 3/4"	1/4" - 3/8"	\$31.38
3/4" - 1"	3/4"	1" - 1-1/4"	1/2"	\$37.39
1-1/4" - 2"	1" - 2"	1-1/2" - 2"	—	\$43.41

**-32 STAINLESS STEEL HI-RISE TEE HANDLE**  
W/ SS NUT

SIZE	ADDER
1/4" - 1/2"	\$5.34
3/4" - 1"	\$5.94
1 1/4" - 2"	\$10.45

**-35 VIRGIN TFE (PTFE) TRIM**

70, 76, 82-100	ADDER
1/4" - 1"	\$1.01
1 1/4" - 2"	\$1.93
2 1/2" - 4"	\$3.05

**-39 SS HI-RISE, LOCKING ROUND HANDLE**

70, 71, 73A, 74, 76, 89	76F	77	82	9A, 92, 96	ADDER
1/4" - 1/2"	1/2" - 3/4"		1/4" - 3/8"	1/2" - 3/4"	21.72
3/4" - 1"	1"	3/4"	1/2" - 3/4"	1" - 1 1/4"	21.72
1 1/4" - 2"	1 1/4" - 2"	1"	1"	1 1/2"	33.78

**-40 CYL-LOCK HANDLE & GROUND STEM**

70, 71, 73A, 76, 89	77, 7K	9A, 91, 92, 96	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	3/4"	1/4" - 3/8"	\$80.54
3/4" - 1"	3/4"	1" - 1-1/4"	1/2"	\$90.02
1-1/4" - 2"	1" - 1-1/4"	1-1/2" - 2"	—	\$106.57

**-42 UNVENTED BALL (CARBON, SS, ALLOY 20)**  
ADD \$4.20 TO LIST

**-44 SEAL WELDED**

76, 89, 72, 73A, 76F	PRICE EA
1/2" to 1"	\$16.00
1-1/2" to 2"	\$18.00
2-1/2" and larger	\$22.00

**-45 LESS LEVER & NUT**  
NO ADDITIONAL CHARGE

**-46 SS LATCH LOCK LEVER - LOCK IN CLOSED POSITION**

70, 73A, 76, 89	7K, 77	82	92-100, 96-100	KIT NUMBER	ADDER
1/4" - 1/2"	1/4" - 1/2"	—	1/2" - 3/4"	W836800	\$32.14
3/4" - 1"	3/4"	1/2", 3/4"	1", 1-1/4"	W837000	\$32.14
1-1/4" - 2"	1" - 1-1/4"	1", 1-1/4"	1-1/2", 2"	W837200	\$32.75

**-47 LATCH LOCK OVAL HANDLE - SS NUT**

70, 71, 73A, 74, 76, 89	77, 7K	82	9A, 92, 96	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4", 3/8"	1/4" - 3/4"	\$30.65
3/4" - 1"	3/4"	1/2", 3/4"	1", 1-1/4"	\$30.65
1-1/4" - 2"			1-1/2", 2"	\$107.45

**-48 SS OVAL HANDLE - NO LATCH - SS NUT**

70, 71, 73A, 76, 89	77, 7K	82	9A, 92, 96	HANDLE	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4", 3/8"	1/4" - 3/4"	H303100	\$28.67
3/4" - 1"	3/4"	1/2", 3/4"	1", 1-1/4"	H303200	\$28.67
1-1/4" - 2"	1" - 2"	1" - 2"	1-1/2", 2"	H303300	\$42.96

**-49 ASSEMBLED DRY**  
THREAD/SWEAT - NO ADDITIONAL CHARGE

**-50 2-1/4" CS EXTENDED STEM - LOCKING**

70, 73A, 76, 89	82	92, 96	KIT NUMBER	ADDER
1/4" - 1/2"	1/4", 3/8"	3/4"	7800101	\$35.27
3/4", 1"	1/2", 3/4"	1", 1-1/4"	7800201	\$35.27
1-1/4"	1" - 1-1/4"	1-1/2", 2"	7800301	\$52.90
1-1/2", 2"	—	—	7800401	\$52.90
2-1/2", 3"	1-1/2", 2"	—	7800501	\$52.90

**STANDARD VALVES**

**ADDERS**

**-51, -52, -53, -54 TACK WELDS**  
CARBON/STAINLESS STEEL

SIZE (IN.)	ONE WELD (-51)	TWO WELDS (-52)	THREE WELDS (-53)	FOUR WELDS (-54)
1/4" - 1-1/4"	\$4.73	\$8.95	\$11.18	\$12.23
1-1/2", 2"	\$4.73	\$11.18	\$12.23	\$13.41
2-1/2", 3"	\$4.73	\$13.41	\$14.53	\$15.62

**ALLOY 20**

SIZE (IN.)	ONE WELD (-51)	TWO WELDS (-52)
All sizes POA		

**-56 MULTIFILL (MTFE) SEATS**

SIZE (IN.)	ADDER
1/4" - 1" Valves	\$2.68
1-1/4" - 2" Valves	\$4.36
2-1/2" - 3" Valves	\$22.21

**-57 OXYGEN CLEANED**

BRONZE/STAINLESS STEEL ONLY

SIZE (IN.)	ADDER
1/4" - 2"	\$13.81
2-1/2" - 4"	\$41.19

**-58 HORIZONTAL CHAIN LEVER**

CHAIN NOT INCLUDED

SIZE (IN.)	KIT NUMBER	ADDER
3/4" - 1"	7840701	\$10.53
1-1/4" - 2"	7840801	\$14.96

**-59 STAINLESS STEEL EXTERNAL TRIM**

82 SERIES FOR LEVERS, TIE BOLTS & NUTS

SIZE (IN.)	ADDER
1/4" - 3/8"	\$7.94
1/2" - 3/4"	\$9.99
1" - 1-1/4"	\$20.95
1-1/2" - 2"	\$27.32

**-60 GROUNDED BALL & STEM**

THREAD/SWEAT - CARBON MUST HAVE SS BALL/STEM

SIZE (IN.)	ADDER
1/4" - 3"	\$8.02

**-62 CENTER SECTION FOR 3 PIECE & DOUBLE UNION**

CONTACT CUSTOMER SERVICE

**-63 NPT X SOLDER/SOCKET WELD**

CONTACT CUSTOMER SERVICE - NO ADDITIONAL CHARGE

**-64 250 LB. STEAM TRIM**

MUST HAVE STAINLESS STEEL BALL/STEM

70-140, 72-140*, 72-940*, 73A-140, 89-140, 76-100	77-140	ADDER
1/4" - 3/8"	1/4"	\$11.81
1/2"	3/8"	\$11.84
3/4"	1/2"	\$11.84
1"	3/4"	\$11.84
1-1/4"	1"	\$20.67
1-1/2"	1-1/4"	\$20.67
2"	1-1/2"	\$20.67
2-1/2"	2"	\$23.59
3"	2-1/2"	\$23.59

\* Both 72 (Bar Stock) and 72-A (Forged Body)

**-67 CLEANED FOR INDUSTRIAL GASES**

SIZE (IN.)	ADDER
1/4" - 2"	\$13.02
2-1/2" - 3"	\$38.86

**-78 DELRIN®/ACETAL SEATS**

72, 72-A, 73-3, 73-4, 76-3, 76-4

SIZE (IN.)	ADDER
1/2" - 1"	\$136.15
1-1/4" - 2"	\$159.53

**-79 NYLON/POLYAMIDE SEATS**

72, 72-A, 73-3, 73-4, 76-3, 76-4

SIZE (IN.)	ADDER
1/2" - 1"	\$136.15
1-1/4" - 2"	\$159.53

**-92 BALANCING (MEMORY STOP)**

BRONZE ONLY

70	77, 7K	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$4.32
3/4" - 1"	3/4"	1/2" - 3/4"	\$5.67
1-1/4" - 3"	1" - 2-1/2"	1" - 2"	\$6.72

**-94 2-1/4" CS EXTENDED STEM & BALANCING (MEMORY STOP)**

BRONZE ONLY

70	77, 7K	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$15.02
3/4" - 1"	3/4"	1/2" - 3/4"	\$17.34
1-1/4" - 2"	1" - 1-1/4"	1" - 1-1/4"	\$20.98
2-1/2" - 3"	1-1/2" - 2-1/2"	1-1/2" - 2"	\$25.49

**-GS CSA CGA 3.16**

76, 76F, 89	ADDER
All Sizes	No Charge

**STANDARD VALVES  
REPLACEMENT SEAL KITS  
70, 71, 73A, 74, 76, 89 & 399  
SERIES (EXCEPT 3-WAY)**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	7000201	\$5.93
1/2"	7000301	\$5.93
3/4"	7000401	\$10.23
1"	7000501	\$14.77
1-1/4"	7000601	\$23.49
1-1/2"	7000701	\$29.81
2"	7000801	\$42.46
2-1/2", 3"	7000901	\$62.02
2-1/2" (70 Series Only)	7802001	\$49.15
4"	7000A01	\$94.87

**70-600 & 76-600**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/2"	7000301	\$5.93
3/4"	7000401	\$10.23
1"	9000601	\$21.51
1-1/4"	7000601	\$23.49
1-1/2"	7000701	\$29.81
2"	7000801	\$42.46

**77-100 & 77-200**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	7000301	\$5.93
1/2"	7000301	\$5.93
3/4"	9000601	\$21.51
1"	9000701	\$27.82
1-1/4"	7000701	\$29.81
1-1/2"	7000801	\$42.46
2"	7802001	\$49.15
2-1/2"	7000901	\$62.02

**75-100**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7000301	\$5.93
3/4" - 1"	7000501	\$14.77
1-1/4"	7000601	\$23.49
1-1/2"	7000701	\$29.81
2"	7000801	\$42.46

**73-300, 73-400, 76-300 & 76-400**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7303301	\$7.21
3/4"	7303401	\$10.29
1"	7303501	\$16.34
1-1/4"	7303601	\$21.15
1-1/2"	7303701	\$29.61

**72 SERIES (BAR STOCK DESIGNS)**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7200301	\$7.21
3/4"	7200401	\$10.29
1"	7200501	\$16.34
1-1/4"	7200601	\$21.15
1-1/2"	7200701	\$29.61
2"	7200801	\$38.36

**72-A SERIES (FORGED BODY DESIGNS)**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7200301A	\$7.21
3/4"	7200401A	\$10.29
1"	7200501A	\$16.34
1-1/4"	7200601A	\$21.15
1-1/2"	7200701A	\$29.61
2"	7200801A	\$38.36

**82-100/200, 83-100/200, 86-100/200, 83-700 & 86-700  
FOR 85 SERIES, USE ONE SIZE SMALLER**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	8200201	\$6.64
1/2"	8200301	\$10.02
3/4"	8200401	\$14.21
1"	8200501	\$22.58
1-1/4"	8200601	\$29.22
1-1/2"	8200701	\$40.81
2"	8200801	\$53.15
2-1/2"	8200901	\$55.03
3"	82A00001	\$58.97
	8600001	\$52.83
4"	82A00A01	\$118.47

**83R-100/200, 86R-100/200**

SIZE (IN.)	KIT NUMBER	PRICE EA.
3"	83R00001	\$189.03

**83-500/600, 86-500/600  
FOR 83-300/400 SERIES, USE ONE SIZE SMALLER**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	8305201	\$0.00
1/2"	8305301	\$7.98
3/4"	8305401	\$11.34
1"	8305501	\$18.03
1-1/4"	8305601	\$23.29
1-1/2"	8305701	\$32.58
2"	8305801	\$42.29

**90, 92, 93, 9A, 96**

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	9000301	\$6.32
3/4"	9000401	\$9.53
1"	9000501	\$13.54
1-1/4"	9000601	\$21.51
1-1/2"	9000701	\$27.82
2"	9000801	\$38.87

**ADDITIONAL SERVICES**

TAGGING	ADDER
Consult with Apollo® Sales Agent for details and limitations	\$26.75 minimum billing
Paper Tags	\$1.35 Net each
Soft Aluminum Tags	\$2.75 Net each
Stainless Steel Tags	\$4.14 Net each
Customer Supplied Tags	\$1.35 Net each

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

MILL TEST REPORTS (MTR)	ADDER
Carbon Steel, Stainless Steel, Nickel, Nickel Based Alloys, Titanium	Apollo Valves (cast body & cast retainer only) <sup>1</sup> \$26.75 NET per Line Item
	Apollo 3-Piece Valves (cast body & cast end caps only) <sup>1</sup> \$26.75 NET per Line Item

NOTE: MTRs for cast bodies, cast retainers, and cast end caps (3 piece valve) are available at [www.apollovalves.com](http://www.apollovalves.com) at no charge.

<sup>1</sup>Contact Factory for Mill Test Reports (MTRs) for other valve components, such as ball, stem etc, will require a special model number to be created.

POSITIVE MATERIAL IDENTIFICATION (PMI)	ADDER
"MP" suffix - Includes report	Apollo Valves (Body, Bonnet, Retainer or End Caps only) <sup>2</sup> \$65.65 List each

NOTE: Not available for Carbon Steels

<sup>2</sup> Positive Material Identification (PMI) for other valve components, such as ball, stem etc, please Contact Factory.

TESTING TO API 598 (HYDROSTATIC TESTING)	ADDER
TH Test - Hydrostatic *	\$17.98 List each*
TC Test - Hydrostatic w/Certified Report	\$37.08 List each
TR Test - Hydrostatic w/Certified Report and MTR	\$46.06 List each
TW Test - Hydrostatic w/Certified Report & Witnessed	\$61.79 List each

\*ASME ball valves (e.g. flanged, ASME 3-piece, top entry) are tested to API 598 as standard.

TESTING TO API 6D (HYDROSTATIC SHELL & SEAT TESTING)	ADDER	
1/2" - 4" (DN15 - DN100)	\$43.93 List each	6 minute test
6", 8", 10" (DN150 - DN250)	\$109.85 List each	15 minute test
12" (DN300)	\$183.09 List each	25 minute test

Apollo ASME ball valves | Flanged: 88A, 87A, and alloys | 3-Piece: 83B, 86B, and alloys  
The "TD" option does NOT signify that a valve is marked with the API Monogram or marked with an API-6D License Number.

UL & CSA MARKING	ADDER
"UL" suffix	Tagged UL and CSA compliant 87A & 88A Series (Extra Tag riveted to body flange)
	Marked UL compliant 83B & 86B Series (Handle with special graphics)
	\$25.64 List each

**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. Apollo® offers special coatings and galvanized coating. Please contact the factory for pricing.