

"Apollo"® Valves

ball valves



price list

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BVPL-0526





ball valves price list

BRONZE BALL VALVES

70 Series.....	6-7
70B Series.....	8
70-HC Series.....	8
70LF Series.....	9
70LF-HC Series.....	10
71 Series.....	11
75 Series.....	12
77 Series.....	13
77C-A Series.....	14-16
77CLF-A Series.....	17-19
77C-UL-A.....	19
78 Series.....	20
80 Series.....	21
82 Series.....	22-24
82LF Series.....	24
90 Series.....	24
9A Series.....	24
Bronze Ball Valve Option Adders.....	25-27

NEEDLE VALVES

60, 60A,60B.....	28-30
60, 60A, 60B Adders/Options.....	30

STAINLESS STEEL BALL VALVES

399 Series.....	31
72 & 72-A Series.....	31
73A Series.....	32
73 Series.....	32
76 Series.....	33
76F Series.....	33
7A Series.....	29
7K Series.....	21
89 Series.....	40
92 Series.....	41
93 Series.....	41
96 Series.....	41
Steel Ball Valve Option Adders.....	51-53

CARBON STEEL, STAINLESS STEEL AND ALLOY 3-PIECE BALL VALVES

83A and 83B Series.....	34
83R Series.....	34
84A and 84B Series.....	35
85A and 85B Series.....	35-36
86A and 86B Series.....	36
83A,83B,86A,86B Adders/Options.....	42-43

CARBON STEEL, STAINLESS STEEL AND ALLOY FLANGED BALL VALVES

87A Series.....	37
87B Series.....	38
88A and 88B Series.....	39
Flanged Valve Adders/Options.....	44-47

CARBON STEEL, STAINLESS STEEL AND ALLOY FLANGED BALL VALVES (600 LB)

87A-F Series.....	38
88A-F Series.....	39
87A, 87B, 88A, 88B.....	37-39
CL600 Flanged Valve Adders Options.....	48-50
87A-F and 88A-F Seal kits.....	47

STANDARD VALVE SEAL KITS.....53

TAGGING, DOCUMENTATION, TESTING.....54



ball valves price list

Please view page 55 for our updated terms & conditions.

apollo numbering system

PLEASE USE ALL DIGITS WHEN ORDERING.

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MATERIAL OR STYLE

2-PIECE & UNIBODY VALVES	
70	Bronze
71	Bronze with Pads
72-A	Carbon Steel (Forged Body)
73	Carbon Steel
73A	A105 Carbon Steel
74	Nickel
75	Pad-Locking Bronze
76	CF8M Stainless Steel
76F	CF8M Stainless Steel, Full Port
77	Bronze Full Port
77C	Bronze Full Port Contractor Grade
78	Special Valves and Kits
7A	Chlorine Carbon Steel
7K	Bronze Full Port Drain
80	Bronze, UL Listed
82	Bronze 3-Piece Full Port
89	Cast Carbon Steel w/ Pads
9A	Bronze, Heavy Patt., Unibody
90	Bronze, Unibody UL Listed
92	Cast Carbon Steel Unibody
93	Carbon Steel Unibody
95	Bronze & Stop Drain
96	CF8M Stainless Steel Unibody
399	Alloy-20 NPT

3-PIECE VALVES	
83A	CS 3-Piece 1500 lb Full Port
83B	CS 3-Piece ASME Class 600 Full Port
86A	SS 3-Piece 1500 lb Full Port
86B	SS 3-Piece ASME Class 600 Full Port
86C	Alloy-20 3-Piece, ASME Class 600 Full Port
83R	CS 3-Piece, Full Port (2" & 3" only)
86R	SS 3-Piece, Full Port (2" & 3" only)

FLANGED VALVES	
87A	CF8M SS Flanged
87A	Alloy 20 Flanged
87B	CF8M SS Flanged Unibody
88A	Carbon Steel Flanged
88B	Carbon Steel Flanged Unibody
88L	Low Temp Carbon Steel Flanged

TYPE

2-PIECE & UNIBODY VALVES	
1	NPT Female or Std Connection
2	Solder/Socket Weld
3	Union End x NPT (70-3) Double UNION END (73-3, 76-3)
4	Union End x Solder Socket Weld Double Union End (76-4)
5	Spring Return Handle
6	3-Way NPT
8	Male X Female NPT
9	3-Way Solder / O-Ring Boss (70-9) SAE Straight Threads (72, 77)

3-PIECE VALVES	
1	NPT Female
2	Solder (82)/Socket Weld (83/86)
3	Schedule 5 Butt Weld
4	Schedule 10 Butt Weld
5	Schedule 40 Butt Weld
6	Schedule 80 Butt Weld

FLANGED VALVES	
1	Class 150 Standard Port
2	Class 150 Full Port
3	(AAR Valves)
4	Class 150, Standard Port, Alloy 20 (87A)
5	Class 150, Full Port, Alloy 20 (87A)
6	Class 300, Full Port, Alloy 20 (87A)
7	Class 300, Standard Port
8	Class 300, Standard Port, Alloy 20 (87A)
9	Class 300 Full Port
F	Class 600 Full Port

VARIATIONS

0	Standard Configuration
3	Ni-Cu Ball & Stem
4	SS Ball & Stem
8	SS Stem
9*	Pinned Retainer
A	Alloy 20
H	Hastelloy® C Ball & Stem
N	Nickel

*Bronze valves only

apollo numbering system

NOTE: NOT ALL OPTIONS AND COMBINATIONS AVAILABLE ON ALL SIZES AND SERIES. REVIEW THE SPECIFIC TECHNICAL SHEET TO DETERMINE AVAILABILITY.

Modifying Suffixes

- The "01" suffix represents the standard configuration detailed in the Technical Literature.
 - If an option is desired, replace the "01" suffix with the suffix of the option.
 - If multiple options are desired, replace the "01" suffix with the desired suffixes in the order shown below.
- Example: 87A-10A-1424MG**

SIZE

OPTIONS

1	1/4"
2	3/8"
3	1/2"
4	3/4"
5	1"
6	1.25"
7	1.5"
8	2"
9	2.5"
0	3"
A	4"
C	6"
E	8"
G	10"
H	12"

-01	Standard Configuration
-02	Grounded
-04	2-1/4" Stem Extension
-05	Plain Ball
-07	Tee Handle
-08	90° Reversed Stem
-10	SS Lever and Fastener
-11	Therma-Seal™ Handle
-12	Stamped "157 SWP" & Bagged
-13	Stamped "157 SWP"
-14	Side Vented Ball (Uni-Directional)
-15	Round Handle, Steel
-16	Chain Lever - Valve in Vertical Position
-17	Rough Chrome Plated
-18	Plain Yellow Grip
-19	Pad-Locking
-20	Slot Vented Ball (Bi-Directional)
-21	Uhmwpe Trim (Non PTFE)
-22	Viton Union Seals
-23	Tank Flange (2" 3-Pc. Valves Only)
-24	Graphite Packing (Not Always Firesafe)
-26	For Chlorine Service: Side Vented,Cleaned (CS, HC, Monel Only)
-27	SS Latch Lock Lever & Nut
-29	Graphite Packing & Seals (Firesafe)
-30	Cam-Lock Handle And Grounded
-31	7B Series w/Boss Not Drilled/Tapped
-32	SS Tee Handle & Nut (Hi-Rise Handle)
-33	73-300 Series w/Pad Drilled/Tapped
-34	Nylatron Seats (96 Series)
-35	PTFE (Virgin TFE)
-36	SS Hi-Rise Round Handle, SS Nut
-38	Peek Seats & Bearing, Graphite Packing & Seals
-39	SS Hi-Rise Locking Round Handle, SS Nut
-40	Cyl-Loc & Grounded
-41	Automatic Drain (Uni-Directional)
-42	Non-Vented Ball, No Hole in Slot (CS & SS)
-43	Cyl-Loc, Grounded Ball & Stem, 680 Loctite or 3 Tack Welds
-44	Seal Welded (76-100 & 89-100 Series)
-45	Less Lever & Nut (No Hangtag)
-46	Latch-Lock Lever - Lock in Closed Position Only
-47	SS Oval Latch-Lock Handle
-48	SS Oval Handle (No Latch)
-49	Assembled Dry
-50	2-1/4" Locking Stem Extension
-51	One Tack Weld
-52	Two Tack Welds
-53	Three Tack Welds
-54	Four Tack Welds
-56	Multifill Seats (MPTFE) Not Available When 250#SWP Applies
-57	Cleaned for Oxygen Service (N/A on LF Bronze with Solder Extensions)
-58	Chain Lever - Valve in Horizontal Position
-59	SS External Trim (3-Pc. and Flange Valves)
-60	Grounded Ball & Stem
-62	Body Center Section
-63	NPT x Solder / Socket Weld
-64	250# SWP (MPTFE Seats & Packing)
-65	MPTFE Seats & Graphite Packing (-24 & -56)
-66	FNPT x Butt Weld
-67	Cleaned for Industrial Gas (CS Valves) (I7361 Desiccant)
-69	Purge Ports (Drilled/Tapped at Bottom & Approx. 45°)
-70	4" Extended Bonnet
-72	RTFE Packing

-73	TFE Packing, Spiral Wound Body Seals, TFE Fillers
-75	MPTFE Seats, PTFE Packing, RPTFE Gaskets
-76	Live Loaded - with Lever
-77	Live Loaded - Actuated or Gear Operated
-78	Delrin Seats
-79	Nylon Seats - Graphite Packing (72 Series)
-8R	15% Glass Filled TFM 1600 Seats, PEEK Bearing
-80	Dyneon TFE 1600 Seats, PEEK Bearing
-81	Graphite Packing with Braided End Rings (Flange Valves)
-82	Flat Face Flanges
-83	SS Tee Handle & Nut (SS Version of -07) (77 Series)
-84	Reverse SS Lever & Nut (77B Series)
-85	Short SS Tee Handle & Nut (Silicone Bronze Retainer) (77B 1/2")
-86	Reverse Locking SS lever (77B Series) (Locking Version of -84)
-87	Safety Latch (Flange Valves)
-88	Panel Mount (60A Series)
-89	PFA Seats
-9P	Double Packed Extended Bonnet with Port
-90	Double Packed Extended Bonnet
-91	Latch-Lock Tee Handle, SS
-92	Balancing Stop
-94	-04 & Balancing Stop
-95	Devlon Seats, Graphite Packing, PEEK Bearing
-96	PCTFE Seats, Graphite Packing
-97	Ground, Round Handle, Pinned or Tack Welded
-99	For 7B Series: -99A Less Lever, Side Tap -99B Less Lever, No Tap
-AR	Actuator Ready (MPTFE Seats, Live Loaded, Less Lever)
-BC	Ball Check
-BK	PCTFE Bearing
-CE	CE Approved (1-1/4" and Above Only)
-DP	Dye Penetrate
-EF	EGC 2236 Packing
-EP	Garlock EVSP Packing, Graphite Spiral Wound Gasket
-GS	Gas Service; CSA Approved
-HC	3/4" Hose Thread Retainer with Brass Cap & Chain
-KF	Kel-F Bearing
-MG	Gear Operated, Standard Hand Wheel
-MH	Gear Operated, Standard Hand Wheel & Lockout Device
-MJ	Gear Operated, Oversize Hand Wheel
-MK	Gear Operated, Oversize Hand Wheel & Lockout Device
-MP	Material Positive (PMI Testing)
-PH	17-4 PH Stem
-RR	Oiled and Bagged for Rust Prevention on Carbon Steel Valves
-SR	Spring Return Handle (83A/B & 86A/B Series)
-SV	Safety Vent (77-100 / 7K-100 Series) (Auto Drain)
-SW	Limit Switch Mounted
-TC	Tested, Hydrostatic w/Certification
-TD	Tested to API 6D w/Certification
-TH	Tested, Hydrostatic
-TM	MTR
-TR	Tested, Hydrostatic w/Certification and MTR
-TS	Tested, Special, Customer Specified
-TW	Tested, Hydrostatic w/Witness and Certification
-UA	AIS Compliant
-US	Buy America Compliant
-ZG	Cup & Cone Style Packing, Graphite
-ZP	Cup & Cone Style Packing, Fugitive Emissions PTFE Packing



ball valves price list

70 SERIES BRONZE BALL VALVE

THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010101	1/4"	60	\$41.19	10
7010201	3/8"	56	\$41.19	10
7010301	1/2"	63	\$41.19	10
7010401	3/4"	139	\$67.93	10
7010501	1"	172	\$85.49	10
7010601	1-1/4"	326	\$143.45	5
7010701	1-1/2"	461	\$183.18	5
7010801	2"	606	\$229.53	2
7010901A	2-1/2"	1725	\$1,082.89	1
7010001	3"	1860	\$1,249.50	1
7010A01	4"	2550	\$1,650.95	1

SOLDER ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7020201	3/8"	63	\$41.19	10
7020301	1/2"	71	\$41.19	10
7020401	3/4"	144	\$67.93	10
7020501	1"	191	\$85.49	10
7020601	1-1/4"	295	\$143.45	5
7020701	1-1/2"	399	\$183.18	5
7020801	2"	571	\$229.53	2
7020901A	2-1/2"	1553	\$1,103.54	1
7020001	3"	1674	\$1,273.24	1
7020A01	4"	2480	\$1,682.36	1

THREADED ENDS - SINGLE UNION

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7030101	1/4"	86	\$59.64	10
7030201	3/8"	84	\$59.64	10
7030301	1/2"	99	\$62.25	10
7030401	3/4"	191	\$105.69	10
7030501	1"	242	\$142.77	10
7030601	1-1/4"	427	\$242.63	5
7030701	1-1/2"	582	\$303.70	5
7030801	2"	855	\$483.11	2

THREADED ENDS WITH SS LATCH LOCK LEVER

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010127	1/4"	60	\$52.31	10
7010227	3/8"	56	\$52.31	10
7010327	1/2"	63	\$52.31	10
7010427	3/4"	139	\$79.05	10
7010527	1"	172	\$96.59	10
7010627	1-1/4"	326	\$154.54	5
7010727	1-1/2"	461	\$194.33	5
7010827	2"	606	\$240.66	2
7010927A	2-1/2"	1725	\$1,115.99	1
7010027	3"	1860	\$1,282.44	1

THREADED ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7014101	1/4"	59	\$61.80	10
7014201	3/8"	55	\$61.80	10
7014301	1/2"	62	\$61.80	10
7014401	3/4"	137	\$114.29	10
7014501	1"	171	\$138.38	10
7014601	1-1/4"	320	\$229.72	5
7014701	1-1/2"	453	\$309.19	5
7014801	2"	588	\$408.56	2
7014901A	2-1/2"	1703	\$1,656.14	1
7014001	3"	1825	\$1,915.45	1
7014A01	4"	2550	\$2,523.42	1

SOLDER ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7024201	3/8"	54	\$62.93	10
7024301	1/2"	70	\$61.80	10
7024401	3/4"	134	\$114.29	10
7024501	1"	175	\$138.38	10
7024601	1-1/4"	312	\$234.04	5
7024701	1-1/2"	391	\$315.08	5
7024801	2"	563	\$416.32	2
7024901A	2-1/2"	1725	\$1,656.14	1
7024001	3"	1674	\$1,915.45	1
7024A01	4"	2480	\$2,523.42	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
701012741	1/4"	60	\$58.30	10
701022741	3/8"	64	\$58.30	10
701032741	1/2"	63	\$58.30	10
701042741	3/4"	140	\$85.15	10
701052741	1"	173	\$108.57	10
701062741	1-1/4"	326	\$172.67	5
701072741	1-1/2"	461	\$212.45	5
701082741	2"	606	\$258.73	2
701092741A	2-1/2"	1725	\$1,248.59	1
701002741	3"	1870	\$1,257.65	1

THREADED ENDS AUTOMATIC DRAIN

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7010141	1/4"	60	\$47.14	10
7010241	3/8"	56	\$47.14	10
7010341	1/2"	63	\$47.14	10
7010441	3/4"	139	\$73.85	10
7010541	1"	172	\$97.42	10
7010641	1-1/4"	326	\$164.61	5
7010741	1-1/2"	461	\$205.03	5
7010841	2"	606	\$252.16	2
7010941A	2-1/2"	1396	\$1,215.07	1



ball valves price list

70 SERIES

BRONZE BALL VALVE

SOLDER ENDS - SINGLE UNION

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7040301	1/2"	102	\$63.43	10
7040401	3/4"	193	\$107.70	10
7040501	1"	242	\$145.50	10
7040601	1-1/4"	411	\$247.24	5
7040701	1-1/2"	544	\$309.47	5
7040801	2"	777	\$483.11	2

THREADED ENDS - MALE x FEMALE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7080101	1/4"	63	\$49.18	10
7080201	3/8"	60	\$49.18	10
7080301	1/2"	72	\$49.18	10
7080401	3/4"	142	\$78.47	10
7080501	1"	193	\$111.98	10
7080601	1-1/4"	319	\$179.41	5
7080701	1-1/2"	460	\$219.30	5

THREADED ENDS - 3 WAY

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7060101	1/4"	91	\$74.68	6
7060201	3/8"	88	\$74.68	6
7060301	1/2"	76	\$74.68	6
7060401	3/4"	165	\$103.05	6
7060501	1"	215	\$136.45	6
7060601	1-1/4"	385	\$215.69	5
7060701	1-1/2"	522	\$251.80	5
7060801	2"	620	\$362.48	2

SOLDER ENDS - 3 WAY

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7090301	1/2"	76	\$77.16	6
7090401	3/4"	165	\$108.39	6
7090501	1"	215	\$140.07	6

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7064101	1/4"	91	\$97.11	6
7064201	3/8"	88	\$97.11	6
7064301	1/2"	76	\$95.31	6
7064401	3/4"	165	\$152.26	6
7064501	1"	215	\$193.03	6
7064601	1-1/4"	385	\$331.68	5
7064701	1-1/2"	522	\$385.06	5
7064801	2"	620	\$551.84	2



ball valves price list

70B SERIES

B31.1 POWER PIPING BRONZE BALL VALVE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70B14164	1/4"	60	\$96.41	1
70B14264	3/8"	56	\$96.41	1
70B14364	1/2"	63	\$96.41	1
70B14464	3/4"	139	\$152.99	1
70B14564	1"	172	\$183.80	1
70B14664	1-1/4"	326	\$281.01	1
70B14764	1-1/2"	461	\$365.81	1
70B14864	2"	606	\$467.31	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	\$68.58	10
70104HC	3/4" NPT X 3/4" Hose	139	\$96.85	10
70105HC	1" NPT X 3/4" Hose	175	\$125.09	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	\$68.58	10
70204HC	3/4" SOL X 3/4" Hose	144	\$96.85	10
70205HC	1" SOL X 3/4" Hose	195	\$125.09	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	\$88.99	1
70144HC	3/4" NPT x 3/4" Hose	139	\$142.85	1
70145HC	1" NPT x 3/4" Hose	175	\$177.68	1
70243HC	1/2" Solder x 3/4" Hose	63	\$88.96	1
70244HC	3/4" Solder x 3/4" Hose	139	\$142.78	1
70245HC	1" Solder x 3/4" Hose	175	\$185.78	1



ball valves price list

70LF SERIES

LEAD FREE BRONZE BALL VALVE

THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF10101	1/4"	60	\$55.50	10
70LF10201	3/8"	56	\$55.50	10
70LF10301	1/2"	63	\$55.50	10
70LF10401	3/4"	130	\$91.52	10
70LF10501	1"	172	\$115.23	10
70LF10601	1-1/4"	326	\$193.30	5
70LF10701	1-1/2"	461	\$246.84	5
70LF10801	2"	606	\$294.23	2
70LF10901	2-1/2"	1396	\$1,264.66	1
70LF10001	3"	1860	\$1,459.14	1
70LF10A01	4"	2550	\$1,964.62	1

SOLDER ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF20201	3/8"	56	\$55.50	10
70LF20301	1/2"	63	\$55.50	10
70LF20401	3/4"	130	\$91.52	10
70LF20501	1"	172	\$115.23	10
70LF20601	1-1/4"	326	\$193.30	5
70LF20701	1-1/2"	461	\$246.84	5
70LF20801	2"	606	\$294.23	2
70LF20901	2-1/2"	1396	\$1,264.66	1
70LF20001	3"	1860	\$1,459.14	1
70LF20A01	4"	2550	\$1,964.62	1

THREADED ENDS - SINGLE UNION

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF30301	1/2"	96	\$82.21	10
70LF30401	3/4"	190	\$139.59	10
70LF30501A	1"	245	\$192.11	10
70LF30601	1-1/4"	432	\$326.50	5
70LF30701	1-1/2"	582	\$408.66	5
70LF30801	2"	855	\$650.33	2

SOLDER ENDS - SINGLE UNION

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF40401	3/4"	190	\$142.24	10
70LF40501A	1"	245	\$192.11	10
70LF40601	1-1/4"	432	\$326.48	5
70LF40701	1-1/2"	582	\$408.63	5
70LF40801	2"	855	\$650.31	2

THREADED ENDS - MALE X FEMALE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF80301	1/2"	63	\$66.21	10
70LF80401	3/4"	130	\$105.58	10
70LF80501	1"	172	\$150.65	10
70LF80601	1-1/4"	326	\$245.10	5

THREADED ENDS W/ 316SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF14101	1/4"	60	\$88.97	10
70LF14201	3/8"	56	\$87.30	10
70LF14301	1/2"	63	\$87.30	10
70LF14401	3/4"	130	\$161.70	10
70LF14501	1"	172	\$195.77	10
70LF14601	1-1/4"	326	\$279.89	5
70LF14701	1-1/2"	461	\$372.61	5
70LF14801	2"	606	\$475.23	2
70LF14901	2-1/2"	1396	\$1,809.97	1
70LF14001	3"	1860	\$2,092.67	1
70LF14A01	4"	2550	\$2,757.92	1

SOLDER ENDS W/ 316SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF24201	3/8"	56	\$76.32	10
70LF24301	1/2"	63	\$74.92	10
70LF24401	3/4"	130	\$135.26	10
70LF24501	1"	172	\$168.28	10
70LF24601	1-1/4"	326	\$279.87	5
70LF24701	1-1/2"	461	\$372.57	5
70LF24801	2"	606	\$475.22	2
70LF24901	2-1/2"	1396	\$1,809.97	1
70LF24001	3"	1860	\$2,092.53	1
70LF24A01	4"	2550	\$2,757.92	1



ball valves price list

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	\$93.25	10
70LF104HC	3/4"	139	\$131.74	10
70LF105HC	1"	172	\$153.76	10

SOLDER END W/ HOSE CAP & CHAIN

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF203HC	1/2"	71	\$93.25	10
70LF204HC	3/4"	144	\$131.74	10

70LF-HC 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	\$112.73	1
70LF144HC	3/4" NPT x 3/4" Hose	139	\$175.44	1
70LF145HC	1" NPT x 3/4" Hose	175	\$238.76	1
70LF243HC	1/2" Solder x 3/4" Hose	63	\$114.86	1
70LF244HC	3/4" Solder x 3/4" Hose	139	\$175.44	1



ball valves price list

71 SERIES

BRONZE BALL VALVE - MOUNTING PADS

THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7110401	3/4"	163	\$89.97	10
7110501	1"	186	\$111.93	10
7110601	1-1/4"	339	\$176.12	5
7110701	1-1/2"	468	\$214.67	5
7110801	2"	572	\$276.05	2
7110001	3"	1860	\$1,370.85	1

THREADED ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7114401	3/4"	161	\$136.39	10
7114501	1"	182	\$164.96	10
7114601	1-1/4"	336	\$263.80	5
7114701	1-1/2"	460	\$343.07	5
7114801	2"	564	\$469.91	2
7114001	3"	1965	\$2,013.01	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	\$287.62	10
7150201	3/8"	145	\$287.62	10
7150301	1/2"	135	\$287.62	10
7150401	3/4"	233	\$322.15	5
7150501	1"	259	\$343.96	5
7150601	1-1/4"	418	\$453.20	4
7150701	1-1/2"	531	\$529.10	2
7150801	2"	641	\$622.46	2



ball valves price list

75 SERIES

BRONZE BALL VALVE - PAD LOCKING THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7510101	1/4"	80	\$83.71	10
7510201	3/8"	77	\$83.71	10
7510301	1/2"	70	\$83.71	10
7510401	3/4"	203	\$132.78	10
7510501	1"	183	\$132.78	10
7510601	1-1/4"	348	\$203.80	5
7510701	1-1/2"	423	\$246.46	5
7510801	2"	569	\$292.83	2

THREADED ENDS W/ (-41) AUTOMATIC DRAIN

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7510141	1/4"	80	\$89.73	10
7510241	3/8"	77	\$89.73	10
7510341	1/2"	70	\$89.73	10
7510441	3/4"	203	\$138.72	10
7510541	1"	183	\$144.72	10
7510641	1-1/4"	348	\$226.05	5
7510741	1-1/2"	423	\$264.46	5
7510841	2"	569	\$310.88	2



ball valves price list

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	\$55.53	10
7710201	3/8"	75	\$55.53	10
7710301	1/2"	69	\$55.53	10
7710401	3/4"	183	\$101.22	10
7710501	1"	332	\$141.77	5
7710601	1-1/4"	505	\$200.04	5
7710701	1-1/2"	671	\$252.45	2
7710801	2"	1175	\$438.67	2
7710901	2-1/2"	1725	\$1,140.00	1

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	\$76.80	10
7714201	3/8"	75	\$76.80	10
7714301	1/2"	69	\$76.80	10
7714401	3/4"	183	\$144.00	10
7714501	1"	332	\$229.57	10
7714601	1-1/4"	505	\$307.96	5
7714701	1-1/2"	671	\$378.86	2
7714801	2"	1175	\$627.48	2
7714901	2-1/2"	1725	\$1,772.39	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	\$64.58	10
7790201	3/8"	75	\$64.58	10
7790301	1/2"	69	\$63.39	10
7790401	3/4"	183	\$117.82	10
7790501	1"	332	\$162.16	5
7790601	1-1/4"	505	\$232.90	5
7790701	1-1/2"	671	\$294.05	2
7790801	2"	1175	\$510.77	1

SECURE VENT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77101SV	1/4"	10	\$156.51	10
77102SV	3/8"	10	\$156.51	10
77103SV	1/2"	10	\$156.51	10
77104SV	3/4"	10	\$203.06	10
77105SV	1"	10	\$244.39	5
77106SV	1-1/4"	5	\$323.73	5
77107SV	1-1/2"	5	\$377.13	2
77108SV	2"	2	\$606.92	2

SOLDER ENDS - FULL PORT - NO PADS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7720401	3/4"	165	\$96.41	10
7720501	1"	299	\$134.40	5
7720601	1-1/4"	455	\$184.40	5
7720701	1-1/2"	604	\$237.81	2
7720801	2"	1058	\$430.18	1
7720901	2-1/2"	1553	\$1,140.00	1

SOLDER ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7724401	3/4"	165	\$139.35	10
7724501	1"	299	\$226.51	10
7724601	1-1/4"	455	\$294.39	5
7724701	1-1/2"	604	\$366.56	2
7724801	2"	1058	\$622.66	1
7724901	2-1/2"	1553	\$1,692.56	1



ball valves price list

77C-A SERIES BRONZE BALL VALVE THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C10101A	1/4"	60	\$38.56	10
77C10201A	3/8"	55	\$38.56	10
77C10301A	1/2"	64	\$38.56	10
77C10401A	3/4"	100	\$62.87	10
77C10501A	1"	183	\$79.44	5
77C10601A	1-1/4"	420	\$185.38	6
77C10701A	1-1/2"	460	\$245.92	6
77C10801A	2"	790	\$403.51	5
77C10901A	2-1/2"	1,643	\$1,169.27	1

SOLDER ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C20201A	3/8"	55	\$38.56	10
77C20301A	1/2"	55	\$38.56	8
77C20401A	3/4"	91	\$62.87	10
77C20501A	1"	151	\$79.44	5
77C20601A	1-1/4"	386	\$185.38	6
77C20701A	1-1/2"	590	\$245.92	6
77C20801A	2"	750	\$403.51	4
77C20901A	2-1/2"	1,450	\$1,191.51	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	\$107.11	1
77C14204A	3/8"	55	\$109.15	1
77C14304A	1/2"	64	\$107.11	1
77C14404A	3/4"	124	\$159.89	1
77C14504A	1"	218	\$184.07	1
77C14604A	1-1/4"	455	\$363.57	1
77C14704A	1-1/2"	503	\$430.32	1
77C14804A	2"	850	\$615.05	1
77C14904A	2-1/2"	1,703	\$1,668.10	1

SOLDER

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C24204A	3/8"	64	\$107.11	1
77C24304A	1/2"	64	\$107.11	1
77C24404A	3/4"	124	\$159.89	1
77C24504A	1"	218	\$184.07	1
77C24604A	1-1/4"	455	\$356.77	1
77C24704A	1-1/2"	503	\$422.34	1
77C24804A	2"	850	\$615.05	1
77C24904A	2-1/2"	1,703	\$1,668.10	1

SOLDER ENDS W/ (-04) STEM EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C20204A	3/8"	64	\$83.89	1
77C20304A	1/2"	64	\$83.89	1
77C20404A	3/4"	124	\$108.10	1
77C20504A	1"	218	\$124.71	1
77C20604A	1-1/4"	455	\$244.25	1
77C20704A	1-1/2"	503	\$304.76	1
77C20804A	2"	850	\$459.58	1
77C20904A	2-1/2"	1,703	\$1,259.24	1

THREADED ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C14101A	1/4"	60	\$60.97	10
77C14201A	3/8"	55	\$60.97	10
77C14301A	1/2"	64	\$60.97	10
77C14401A	3/4"	100	\$113.70	10
77C14501A	1"	183	\$137.96	5
77C14601A	1-1/4"	420	\$296.79	5
77C14701A	1-1/2"	460	\$362.29	2
77C14801A	2"	790	\$557.86	2
77C14901A	2-1/2"	1,643	\$1,574.39	1

SOLDER ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C24201A	3/8"	55	\$62.09	10
77C24301A	1/2"	55	\$60.97	10
77C24401A	3/4"	91	\$113.70	10
77C24501A	1"	151	\$137.96	5
77C24601A	1-1/4"	386	\$296.79	5
77C24701A	1-1/2"	590	\$362.29	2
77C24801A	2"	750	\$557.86	2
77C24901A	2-1/2"	1,450	\$1,574.39	1

THREADED ENDS W/ (-04) STEM EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C10104A	1/4"	60	\$85.49	1
77C10204A	3/8"	55	\$85.49	1
77C10304A	1/2"	64	\$83.89	1
77C10404A	3/4"	124	\$108.10	1
77C10504A	1"	218	\$124.71	1
77C10604A	1-1/4"	455	\$244.25	1
77C10704A	1-1/2"	503	\$304.76	1
77C10804A	2"	850	\$459.58	1
77C10904A	2-1/2"	1,703	\$1,259.24	1



ball valves price list

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	\$80.04	1
77C1021A	3/8"	55	\$80.04	1
77C1031A	1/2"	64	\$89.12	1
77C1041A	3/4"	100	\$113.40	1
77C1051A	1"	183	\$136.53	1
77C1061A	1-1/4"	420	\$265.78	1
77C1071A	1-1/2"	460	\$342.73	1
77C1081A	2"	790	\$506.66	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C2021A	3/8"	55	\$80.04	1
77C2031A	1/2"	55	\$89.12	1
77C2041A	3/4"	91	\$113.40	1
77C2051A	1"	151	\$136.53	1
77C2061A	1-1/4"	386	\$265.78	1
77C2071A	1-1/2"	590	\$342.73	1
77C2081A	2"	750	\$506.66	1

THREADED ENDS W/ (-27) LATCH LOCK HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C10127A	1/4"	60	\$53.23	10
77C10227A	3/8"	55	\$53.23	10
77C10327A	1/2"	64	\$53.23	10
77C10427A	3/4"	100	\$81.33	10
77C10527A	1"	183	\$98.01	5
77C10627A	1-1/4"	420	\$211.50	6
77C10727A	1-1/2"	460	\$268.00	6
77C10827A	2"	790	\$424.58	5
77C10927A	2-1/2"	1640	\$1,228.41	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C24227A	3/8"	55	\$77.27	8
77C24327A	1/2"	64	\$77.27	8
77C24427A	3/4"	124	\$135.07	10
77C24527A	1"	218	\$159.88	5
77C24627A	1-1/4"	455	\$325.49	6
77C24727A	1-1/2"	503	\$392.10	6
77C24827A	2"	850	\$590.39	4
77C24927A	2-1/2"	1703	\$1,597.98	1

SOLDER ENDS W/ (-27) LATCH LOCK HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C20227A	3/8"	55	\$54.26	10
77C20327A	1/2"	64	\$54.26	8
77C20427A	3/4"	124	\$81.33	10
77C20527A	1"	218	\$99.87	5
77C20627A	1-1/4"	455	\$211.50	6
77C20727A	1-1/2"	503	\$273.10	6
77C20827A	2"	850	\$432.68	4

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77C14127A	1/4"	60	\$75.81	10
77C14227A	3/8"	55	\$77.27	10
77C14327A	1/2"	64	\$75.81	10
77C14427A	3/4"	100	\$132.58	10
77C14527A	1"	183	\$156.87	5
77C14627A	1-1/4"	420	\$325.49	6
77C14727A	1-1/2"	460	\$392.10	6
77C14827A	2"	790	\$579.35	5
77C14927A	2-1/2"	1643	\$1,597.99	1



ball valves price list

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"	\$14.47
78233301	1/2" - 3/4"	\$17.47
7844301	1" - 1-1/4"	\$22.65
7846901	1-1/2" - 2-1/2"	\$27.68

-07 STEEL TEE HANDLE KIT

KIT PART NO.	SIZE (IN.)	PRICE EA.
78250801	1/4" - 3/8"	\$8.21
78250901	1/2" - 3/4"	\$8.61
78251001	1" - 1-1/4"	\$9.37
78251101	1-1/2" - 2"	\$11.10

-10 STAINLESS STEEL LEVER & NUT

KIT PART NO.	SIZE (IN.)	PRICE EA.
78263001	1/4" - 3/8"	\$29.13
78263101	1/2" - 3/4"	\$29.13
78263201	1" - 1-1/4"	\$23.71
78263301	1 - 1/2"	\$29.71
78263401	2" - 2-1/2"	\$28.84

-11

THERMA-SEAL™ INSULATING T-HANDLE KIT (77C-A, 77W-A)

KIT PART NO.	SIZE (IN.)	PRICE EA.	INSTALLED LIST ADDER
78233001	1/4" - 3/8"	\$28.87	\$39.09
78233101	1/2" - 3/4"	\$28.87	\$47.62
78219101	1" - 1-1/4"	\$28.87	\$75.76
78219201	1-1/2" - 2"	\$41.18	\$97.17

-11

THERMA-SEAL™ INSULATING T-HANDLE KIT 77CLF-A, 77WLF-A, 77WCLF

KIT PART NO.	SIZE (IN.)	PRICE EA.	INSTALLED LIST ADDER
78233001	1/4" - 3/8"	\$28.87	\$39.09
78233101	1/2" - 3/4"	\$28.87	\$47.62
78219101	1" - 1-1/4"	\$28.87	\$75.76
78219201	1-1/2" - 2"	\$41.18	\$97.17

-27 LATCH LOCK LEVER KIT

KIT PART NO.	SIZE (IN.)	PRICE EA.
78250001	1/4" - 3/8"	\$14.96
78250101	1/2" - 3/4"	\$18.39
78250201	1" - 1-1/4"	\$20.67
78250301	1-1/2"	\$21.82
78274901	2" - 2-1/2"	\$21.82

-50

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

KIT PART NO.	SIZE (IN.)	PRICE EA.
78259601	1/2" - 3/4"	\$64.39
7800201	1" - 1-1/4"	\$64.39
7800301	1-1/2"	\$96.58
7800401	2"	\$96.58

-92 MEMORY STOP

PART NO.	SIZE (IN.)	PRICE EA.
7829501	1/2" - 3/4"	\$6.18
7831801	1" - 1-1/4"	\$7.13
7831901	1-1/2" - 2"	\$7.54

-94

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

KIT PART NO.	SIZE (IN.)	PRICE EA.
78259701	1/4" - 3/8"	\$54.37
78259801	1/2" - 3/4"	\$54.37
7846701	1" - 1-1/4"	\$28.18
7858501	1-1/2" - 2"	\$33.36

-01 REPLACEMENT HANDLE (YELLOW GRIP)

PART NO.	SIZE (IN.)	PRICE EA.
78249001	1/4" - 3/8"	\$9.20
78249101	1/2" - 3/4"	\$9.96
78249201	1" - 1-1/4"	\$10.50
78249301	1-1/2"	\$12.27
78249401	2" - 2-1/2"	\$12.86

PACKING WRENCH

PART NO.	DESCRIPTION	PRICE EA.
H371400	Domestic Valves	\$19.65
H380700	Apollo International Valves	\$20.81

77C-A SEAL REPAIR KITS

KIT PART NO.	SIZE (IN.)	PRICE EA.
77C00201A	1/4 - 3/8	\$13.12
77C00301A	1/2"	\$13.12
77C00401A	3/4"	\$21.24
77C00501A	1	\$27.21
77C00601A	1-1/4"	\$62.58
77C00701A	1-1/2"	\$82.81
77C00801A	2"	\$141.29
77C00901A	2-1/2"	\$120.05



ball valves price list

77CLF-A SERIES

LEAD FREE BRONZE BALL VALVE

THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10101A	1/4"	60	\$52.49	10
77CLF10201A	3/8"	55	\$52.49	10
77CLF10301A	1/2"	64	\$52.49	10
77CLF10401A	3/4"	87	\$85.49	10
77CLF10501A	1"	183	\$108.08	5
77CLF10601A	1-1/4"	420	\$252.19	6
77CLF10701A	1-1/2"	650	\$334.66	6
77CLF10801A	2"	790	\$499.55	5
77CLF10901A	2-1/2"	1,712	\$1,447.62	1

SOLDER ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20201A	3/8"	49	\$53.51	10
77CLF20301A	1/2"	55	\$52.49	8
77CLF20401A	3/4"	91	\$85.49	10
77CLF20501A	1"	151	\$108.08	5
77CLF20601A	1-1/4"	386	\$252.19	6
77CLF20701A	1-1/2"	590	\$334.66	6
77CLF20801A	2"	1,081	\$499.55	4
77CLF20901A	2-1/2"	1,450	\$1,447.62	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	\$136.76	10
77CLF14204A	3/8"	55	\$132.95	10
77CLF14304A	1/2"	64	\$134.19	10
77CLF14404A	3/4"	87	\$208.87	10
77CLF14504A	1"	183	\$245.61	10
77CLF14604A	1-1/4"	420	\$482.54	6
77CLF14704A	1-1/2"	650	\$575.11	6
77CLF14804A	2"	790	\$780.89	5
77CLF14904A	2-1/2"	1,712	\$2,046.51	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF24204A	3/8"	55	\$134.19	10
77CLF24304A	1/2"	64	\$134.19	10
77CLF24404A	3/4"	87	\$208.87	10
77CLF24504A	1"	183	\$241.02	10
77CLF24604A	1-1/4"	420	\$482.54	6
77CLF24704A	1-1/2"	650	\$564.34	6
77CLF24804A	2"	790	\$766.32	4
77CLF24904A	2-1/2"	1,712	\$2,102.18	1

THREADED ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF14101A	1/4"	60	\$82.92	10
77CLF14201A	3/8"	55	\$82.92	10
77CLF14301A	1/2"	64	\$82.92	10
77CLF14401A	3/4"	87	\$154.73	10
77CLF14501A	1"	183	\$193.41	5
77CLF14601A	1-1/4"	420	\$412.24	6
77CLF14701A	1-1/2"	650	\$503.09	6
77CLF14801A	2"	790	\$705.09	5
77CLF14901A	2-1/2"	1,712	\$1,949.24	1

SOLDER ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF24201A	3/8"	55	\$84.47	10
77CLF24301A	1/2"	55	\$82.92	8
77CLF24401A	3/4"	91	\$154.73	10
77CLF24501A	1"	151	\$193.41	5
77CLF24601A	1-1/4"	386	\$412.24	6
77CLF24701A	1-1/2"	590	\$503.09	6
77CLF24801A	2"	1,081	\$705.09	4
77CLF24901A	2-1/2"	1,450	\$1,949.24	1

THREADED ENDS W/ (-04) STEM EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10104A	1/4"	60	\$99.61	10
77CLF10204A	3/8"	55	\$101.96	10
77CLF10304A	1/2"	64	\$99.61	10
77CLF10404A	3/4"	87	\$133.30	10
77CLF10504A	1"	183	\$156.30	10
77CLF10604A	1-1/4"	420	\$317.03	6
77CLF10704A	1-1/2"	650	\$401.04	6
77CLF10804A	2"	790	\$569.10	5
77CLF10904A	2-1/2"	1,712	\$1,547.31	1

SOLDER ENDS W/ (-04) STEM EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20204A	3/8"	55	\$97.77	10
77CLF20304A	1/2"	64	\$97.77	10
77CLF20404A	3/4"	87	\$130.79	10
77CLF20504A	1"	183	\$153.40	10
77CLF20604A	1-1/4"	420	\$311.11	6
77CLF20704A	1-1/2"	650	\$393.56	6
77CLF20804A	2"	790	\$558.47	4
77CLF20904A	2-1/2"	1,712	\$1,558.98	1



ball valves price list

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	\$68.30	10
77CLF10207A	3/8"	55	\$68.30	10
77CLF10307A	1/2"	64	\$68.30	10
77CLF10407A	3/4"	87	\$102.45	10
77CLF10507A	1"	183	\$125.42	5
77CLF10607A	1-1/4"	420	\$290.83	6
77CLF10707A	1-1/2"	650	\$374.90	6
77CLF10807A	2"	790	\$542.92	5

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10110A	1/4"	60	\$84.33	10
77CLF10210A	3/8"	55	\$84.33	10
77CLF10310A	1/2"	64	\$84.33	10
77CLF10410A	3/4"	87	\$118.03	10
77CLF10510A	1"	183	\$140.99	10
77CLF10610A	1-1/4"	420	\$294.51	10
77CLF10710A	1-1/2"	650	\$378.48	10
77CLF10810A	2"	790	\$546.60	10
77CLF10910A	2-1/2"	1712	\$1,512.73	10

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10111A	1/4"	60	\$93.97	10
77CLF10211A	3/8"	55	\$93.97	10
77CLF10311A	1/2"	64	\$103.05	10
77CLF10411A	3/4"	87	\$136.04	10
77CLF10511A	1"	183	\$165.75	10
77CLF10611A	1-1/4"	420	\$332.64	6
77CLF10711A	1-1/2"	650	\$433.14	6
77CLF10811A	2"	790	\$602.71	1

SOLDER THERMA-SEAL™

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20211A	3/8"	55	\$95.00	10
77CLF20311A	1/2"	64	\$103.05	10
77CLF20411A	3/4"	87	\$136.04	10
77CLF20511A	1"	183	\$165.75	10
77CLF20611A	1-1/4"	420	\$332.64	6
77CLF20711A	1-1/2"	650	\$433.14	6
77CLF20811A	2"	790	\$602.71	1

SOLDER ENDS W/ (-11) THERMA-SEAL™ HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10127A	1/4"	60	\$68.30	10
77CLF10227A	3/8"	55	\$68.30	10
77CLF10327A	1/2"	64	\$67.03	1
77CLF10427A	3/4"	87	\$104.06	1
77CLF10527A	1"	183	\$126.67	5
77CLF10627A	1-1/4"	420	\$279.51	6
77CLF10727A	1-1/2"	650	\$356.74	6
77CLF10827A	2"	790	\$521.62	5
77CLF10927A	2-1/2"	1,712	\$1,470.76	1

THREADED ENDS W/ (-27) LATCH LOCK HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF10127A	1/4"	60	\$68.30	10
77CLF10227A	3/8"	55	\$68.30	10
77CLF10327A	1/2"	64	\$67.03	1
77CLF10427A	3/4"	87	\$104.06	1
77CLF10527A	1"	183	\$126.67	5
77CLF10627A	1-1/4"	420	\$279.51	6
77CLF10727A	1-1/2"	650	\$356.74	6
77CLF10827A	2"	790	\$521.62	5
77CLF10927A	2-1/2"	1,712	\$1,470.76	1

SOLDER ENDS W/ (-27) LATCH LOCK HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
77CLF20227A	3/8"	60	\$68.30	8
77CLF20327A	1/2"	55	\$68.30	8
77CLF20427A	3/4"	91	\$104.06	10
77CLF20527A	1"	151	\$129.05	5
77CLF20627A	1-1/4"	386	\$279.51	6
77CLF20727A	1-1/2"	590	\$363.50	6
77CLF20827A	2"	1,081	\$531.55	4
77CLF20927A	2-1/2"	1,450	\$1,470.76	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	\$99.58	10
77CLF14227A	3/8"	55	\$99.58	10
77CLF14327A	1/2"	64	\$103.59	1
77CLF14427A	3/4"	87	\$184.02	1
77CLF14527A	1"	183	\$216.96	5
77CLF14627A	1-1/4"	420	\$443.47	6
77CLF14727A	1-1/2"	650	\$536.10	6
77CLF14827A	2"	790	\$741.93	5
77CLF14927A	2-1/2"	1,712	\$1,972.35	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	\$100.90	10
77CLF24327A	1/2"	55	\$103.59	8
77CLF24427A	3/4"	91	\$184.02	10
77CLF24527A	1"	151	\$216.96	5
77CLF24627A	1-1/4"	386	\$443.47	6
77CLF24727A	1-1/2"	590	\$536.10	6
77CLF24827A	2"	1,081	\$741.93	4
77CLF24927A	2-1/2"	1,450	\$1,972.35	1

THREADED ENDS - SINGLE UNION

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
70LF30301	1/2"	96	\$82.21	10
77CLF30401A	3/4"	134	\$161.47	10
77CLF30501A	1"	236	\$219.49	10
77CLF30601A	1-1/4"	507	\$455.57	5
77CLF30701A	1-1/2"	496	\$538.48	5
77CLF30801A	2"	1006	\$843.30	2

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



ball valves price list

77CLF-A SERIES

KITS & ADDERS

-01 REPLACEMENT HANDLE (WHITE GRIP)

PART NO.	SIZE (IN.)	PRICE EA.
78249501	1/4" - 3/8"	\$9.37
78249601	1/2"-3/4"	\$9.96
78249701	1" - 1-1/4"	\$10.50
78249801	1-1/2"	\$12.27
78249901	2" - 2-1/2"	\$12.86

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

KIT PART NO.	SIZE (IN.)	PRICE EA.
78233201	1/4" - 3/8"	\$14.47
78233301	1/2" - 3/4"	\$17.47
7844301	1" - 1-1/4"	\$22.65
7846901	1-1/2" - 2-1/2"	\$27.68

-07 STEEL TEE HANDLE KIT

KIT PART NO.	SIZE (IN.)	PRICE EA.
78250801	1/4" - 3/8"	\$8.21
78250901	1/2" - 3/4"	\$8.61
78251001	1" - 1-1/4"	\$9.37
78251101	1-1/2" - 2"	\$11.10

-10 STAINLESS STEEL LEVER & NUT

KIT PART NO.	SIZE (IN.)	PRICE EA.
78263501	1/4" - 3/8"	\$29.13
78263601	1/2" - 3/4"	\$29.13
78263701	1" - 1-1/4"	\$29.13
78263801	1-1/2"	\$35.41
78263901	2" - 2-1/2"	\$35.41

-11 THERMA-SEAL™ INSULATING T-HANDLE KIT

KIT PART NO.	SIZE (IN.)	PRICE EA.	INSTALLED LIST ADDER
78233001	1/4" - 3/8"	\$28.87	\$39.09
78233101	1/2" - 3/4"	\$28.87	\$47.62
78219101	1" - 1-1/4"	\$28.87	\$75.76
78219201	1-1/2" - 2"	\$41.18	\$97.17

-27 LATCH LOCK LEVER KIT

KIT PART NO.	SIZE (IN.)	PRICE EA.
78260201	1/4" - 3/8"	\$15.20
78260301	1/2"-3/4"	\$18.39
78260401	1" - 1-1/4"	\$21.08
78260501	1-1/2"	\$21.82
78275001	2" - 2-1/2"	-

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

KIT PART NO.	SIZE (IN.)	PRICE EA.
78259601	1-2" - 3/4"	\$64.39
7800201	1" - 1-1/4"	\$64.39
7800301	1-1/2"	\$96.58
7800401	2"	\$96.58

-92 MEMORY STOP

PART NO.	SIZE (IN.)	PRICE EA.
7829501	1/2" - 3/4"	\$6.18
7831801	1" - 1-1/4"	\$7.13
7831901	1-1/2" - 2"	\$7.54

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

KIT PART NO.	SIZE (IN.)	PRICE EA.
78259701	1/4" - 3/8"	\$54.37
78259801	1/2"-3/4"	\$54.37
7846701	1" - 1-1/4"	\$28.18
7858501	1-1/2" - 2"	\$33.36

PACKING WRENCH

PART NO.	DESCRIPTION	PRICE EA.
H371400	Domestic Valves	\$19.65
H380700	Apollo International Valves	\$20.81

77CLF-A SEAL REPAIR KITS

KIT PART NO.	SIZE (IN.)	PRICE EA.
77C00201A	1/4 - 3/8	\$13.12
77C00301A	1/2"	\$13.12
77C00401A	3/4"	\$21.24
77C00501A	1	\$27.21
77C00601A	1-1/4"	\$62.58
77C00701A	1-1/2"	\$82.81
77C00801A	2"	\$141.29
77C00901A	2-1/2"	\$120.05



ball valves price list

77W & 77WLF SERIES

PRESS BRONZE BALL VALVE
SEE PRESS VALVE APRV 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	\$700.71	10
7814601	1"	320	\$788.16	5

78 SERIES

BRONZE BALL VALVE
W/ MOUNTING EARS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7824801	1/4"	68	\$68.26	10
7825001	3/8"	68	\$69.58	10
7825601	1/2"	65	\$69.58	10
7843801	3/4"	140	\$93.36	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	\$33.49	10
7826105	1/4"	19	\$32.89	10
7826205	1/8"	20	\$33.49	10
7826305	1/4"	19	\$33.49	10

THREADED END - MALE x FEMALE (APOLLO INTERNATIONAL™)

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7826005	1/8"	20	\$33.49	10
7826105	1/4"	19	\$32.89	10
7826205	1/8"	20	\$33.49	10
7826305	1/4"	19	\$33.49	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	\$136.64	10
7862201	1"	192	\$180.94	10
7862301	1-1/4"	357	\$255.58	5
7862401	1-1/2"	468	\$291.04	5
7862501	2"	611	\$402.65	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	\$93.70	10
7866501	1"	186	\$117.74	10
7866701	1-1/2"	468	\$222.48	5
7896201	2"	572	\$284.19	2



ball valves price list

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	\$48.17	10
8010201	3/8"	56	\$48.17	10
8010301	1/2"	63	\$48.17	10
8010401	3/4"	139	\$73.41	10
8010501	1"	172	\$101.68	10
8010601	1-1/4"	326	\$166.57	5
8010701	1-1/2"	457	\$202.87	5
8010801	2"	556	\$246.06	2
8010901	2-1/2"	1725	\$1,137.85	1
8010001	3"	1860	\$1,363.18	1

80 SERIES

THREADED ENDS W/ (-27) LATCH LOCK HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8010127	1/4"	60	\$54.97	10
8010227	3/8"	56	\$56.01	10
8010327	1/2"	63	\$54.97	10
8010427	3/4"	139	\$78.46	10
8010527	1"	172	\$104.89	10
8010627	1-1/4"	326	\$165.57	5
8010727	1-1/2"	457	\$199.46	5
8010827	2"	556	\$239.82	2
8010927	2-1/2"	1725	\$1,092.45	1
8010027	3"	1860	\$1,302.81	1

80 SERIES

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8014127	1/4"	60	\$61.05	10
8014227	3/8"	56	\$64.33	10
8014327	1/2"	63	\$54.97	10
8014427	3/4"	139	\$78.46	10
8014527	1"	172	\$104.89	10
8014627	1-1/4"	326	\$165.57	5
8014727	1-1/2"	457	\$199.46	5
8014827	2"	556	\$239.82	2
8014927	2-1/2"	1725	\$1,092.45	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"	126	\$58.67	10
7K10201	3/8"	125	\$58.67	10
7K10301	1/2"	131	\$58.67	10
7K10401	3/4"	198	\$118.68	5
7K10501	1"	235	\$166.11	5
7K10601	1-1/4"	396	\$234.47	4
7K10701	1-1/2"	478	\$295.88	2
7K10801	2"	666	\$581.28	2

1/4" NPT TAPPED VENT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7K103SV	1/2"	131	\$158.66	10
7K104SV	3/4"	198	\$218.56	5
7K105SV	1"	235	\$266.07	5
7K106SV	1-1/4"	396	\$354.33	4
7K107SV	1-1/2"	478	\$415.85	2
7K108SV	2"	666	\$741.07	2



ball valves price list

82 SERIES

BRONZE 3-PIECE VALVE THREADED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8210101	1/4"	102	\$103.52	8
8210201	3/8"	104	\$103.52	8
8210301	1/2"	155	\$117.72	8
8210401	3/4"	227	\$144.43	8
8210501	1"	328	\$189.56	6
8210601	1-1/4"	562	\$272.47	2
8210701	1-1/2"	807	\$352.75	2
8210801	2"	1442	\$646.35	1
8210901	2-1/2"	2661	\$1,572.24	1
82A14001	3"	4300	\$2,878.37	1
82A14A01	4"	10600	\$5,422.46	1

SOLDER ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8220201	3/8"	99	\$103.52	8
8220301	1/2"	146	\$117.72	8
8220401	3/4"	207	\$144.43	8
8220501	1"	303	\$189.56	6
8220601	1-1/4"	502	\$279.06	2
8220701	1-1/2"	791	\$352.75	2
8220801	2"	1350	\$646.35	1
8220901	2-1/2"	2661	\$1,429.23	1
82A24001	3"	4300	\$2,878.37	1
82A24A01	4"	10600	\$5,422.46	1

FULL PORT W/ MALE BRAZED EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203B8	1/2"	166	\$210.73	30
82204A8	3/4"	237	\$230.87	24
82205B7	1"	343	\$297.76	12
82206B7	1-1/4"	552	\$424.14	9
82207B2	1-1/2"	851	\$515.61	6
82208B7	2"	1420	\$740.16	4
82209A2	2-1/2"	2681	OMIT	1

FULL PORT - OXYGEN CLEANED W/ MALE BRAZED EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203K1	1/2"	166	\$233.22	30
82204K1	3/4"	237	\$253.12	24
82205K1	1"	343	\$318.63	16
82206K1	1-1/4"	552	\$451.12	9
82207K1	1-1/2"	851	\$542.62	6
82208K1	2"	1420	\$767.14	2
82209K1	2-1/2"	2681	\$2,787.27	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8214101	1/4"	102	\$136.03	8
8214201	3/8"	104	\$136.03	8
8214301	1/2"	153	\$166.27	8
8214401	3/4"	224	\$198.66	8
8214501	1"	323	\$289.18	6
8214601	1-1/4"	568	\$398.73	2
8214701	1-1/2"	804	\$498.64	2
8214801	2"	1437	\$814.34	1
8214901	2-1/2"	2661	\$1,696.06	1
82A14001	3"	4300	\$2,878.37	1
82A14A01	4"	10600	\$5,422.46	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8224201	3/8"	99	\$136.03	8
8224301	1/2"	144	\$166.27	8
8224401	3/4"	204	\$198.66	8
8224501	1"	298	\$289.18	6
8224601	1-1/4"	496	\$398.96	2
8224701	1-1/2"	787	\$498.64	2
8224801	2"	1346	\$814.00	1
8224901	2-1/2"	2661	\$1,553.00	1
82A24001	3"	4300	\$2,878.37	1
82A24A01	4"	10600	\$5,422.46	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	\$233.36	30
82244B3	3/4"	237	\$286.32	24
82245B1	1"	343	\$399.26	12
82247B2	1-1/2"	851	\$664.31	6
82248B2	2"	1420	\$910.95	4
82249A2	2-1/2"	2681	\$2,830.65	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	\$255.45	30
82244K1	3/4"	237	\$307.38	24
82245K1	1"	343	\$426.18	16
82246K1	1-1/4"	552	\$570.69	9
82247K1	1-1/2"	851	\$691.28	6
82248K1	2"	1420	\$937.99	4
82249K1	2-1/2"	2681	\$2,911.14	1
82A240K1	3"	4244	\$4,307.14	1
82A24AK1	4"	10650	\$6,231.62	1



ball valves price list

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	\$202.66	30
82204C3	3/4"	240	\$178.82	12
82205C2	1"	350	\$318.72	12
82206C1	1-1/4"	560	\$432.25	9
82207B8	1-1/2"	860	\$535.89	6
82208C1	2"	1430	\$810.64	4

FULL PORT - OXYGEN CLEANED W/ FEMALE BRAZED EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203K2	1/2"	170	\$225.29	30
82204K2	3/4"	240	\$271.35	12
82205K2	1"	350	\$339.18	12
82206K2	1-1/4"	560	\$459.08	9
82207K2	1-1/2"	860	\$562.95	6
82208K2	2"	1430	\$837.49	4
82209K2	2-1/2"	2681	\$2,787.26	1
82A240K2	3"	4244	\$4,514.48	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	\$337.52	16
82204F1	3/4"	1	289	\$419.61	12
82205F1	1"	1	419	\$483.71	12
82206F1	1-1/4"	1	714	\$666.17	9
82207F1	1-1/2"	1	1018	\$779.14	6
82208F1	2"	1	1678	\$1,025.51	4

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	\$326.67	16
82204F2	3/4"	1	289	\$408.77	12
82205F2	1"	1	419	\$472.90	12
82206F2	1-1/4"	1	714	\$655.27	9
82207F2	1-1/2"	1	1018	\$746.87	6
82208F2	2"	1	1678	\$993.16	4

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	\$426.89	16
82204F3	3/4"	2	338	\$550.43	12
82205F3	1"	2	403	\$634.97	12
82206F3	1-1/4"	2	502	\$898.36	9
82207F3	1-1/2"	2	791	\$1,056.90	6
82208F3	2"	2	1350	\$1,369.88	4
82209F3	2-1/2"	2	2681	\$2,407.82	1
82A240F3	3"	2	4224	\$6,537.45	1
82A24AF3	4"	2	10060	\$7,400.36	1



ball valves price list

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	\$255.45	30
82244K1	3/4	237	\$307.38	24
82245K1	1	343	\$426.18	16
82246K1	1-1/4	552	\$570.69	9
82247K1	1-1/2	851	\$691.28	6
82248K1	2	1420	\$937.99	4
82249K1	2-1/2	2681	\$2,911.14	1
82A240K1	3	4244	\$4,307.14	1
82A24AK1	4	10650	\$6,231.62	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	\$141.11	8
82LF10201	3/8"	102	\$141.11	8
82LF10301	1/2"	155	\$158.63	8
82LF10401	3/4"	227	\$193.85	8
82LF10501	1"	328	\$251.74	6
82LF10601	1-1/4"	562	\$359.12	2
82LF10701	1-1/2"	807	\$440.51	2
82LF10801	2"	1442	\$830.64	1
82LF10901	2-1/2"	2661	\$1,693.03	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF14101	1/4"	104	\$189.84	8
82LF14201	3/8"	102	\$168.95	8
82LF14301	1/2"	155	\$210.34	8
82LF14401	3/4"	227	\$251.74	8
82LF14501	1"	328	\$327.24	6
82LF14601	1-1/4"	562	\$458.17	2
82LF14701	1-1/2"	807	\$584.90	2
82LF14801	2"	1442	\$1,082.40	1
82LF14901	2-1/2"	2661	\$2,116.30	1

90 SERIES

BRONZE VALVE - UL LISTED
THREADED ENDS - UNIBODY

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9010301A	1/2"	53	\$39.35	10
9010401A	3/4"	82	\$48.63	10
9010501A	1"	125	\$72.77	10
9010601A	1-1/4"	198	\$123.85	5
9010701A	1-1/2"	299	\$160.40	5
9010801A	2"	464	\$228.42	2

OXYGEN CLEANED FEMALE BRAZED EXT.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82203K2	1/2	170	\$225.29	30
82204K2	3/4	240	\$271.35	12
82205K2	1	350	\$339.18	12
82206K2	1-1/4	560	\$459.08	9
82207K2	1-1/2	860	\$562.95	6
82208K2	2	1430	\$837.49	4
82209K2	2-1/2	2681	\$2,787.26	1
82A240K2	3	4244	\$4,514.48	1

SOLDER ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF20301	1/2"	155	\$158.63	8
82LF20401	3/4"	227	\$193.85	8
82LF20501	1"	328	\$251.74	6
82LF20601	1-1/4"	562	\$359.12	2
82LF20701	1-1/2"	807	\$448.92	2
82LF20801	2"	1442	\$846.51	1
82LF20901	2-1/2"	2661	\$1,693.03	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
82LF24301	1/2"	155	\$206.41	8
82LF24401	3/4"	227	\$251.74	8
82LF24501	1"	328	\$333.46	6
82LF24601	1-1/4"	562	\$466.87	2
82LF24701	1-1/2"	807	\$584.90	2
82LF24801	2"	1442	\$1,103.02	1
82LF24901	2-1/2"	2661	\$2,116.30	1

9A SERIES

BRONZE VALVE - UL LISTED
THREADED ENDS - HEAVY PATTERN

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9A10101	1/4"	73	\$41.74	10
9A10201	3/8"	73	\$41.74	10
9A10301	1/2"	73	\$41.74	10
9A10401	3/4"	110	\$55.19	10
9A10501	1"	173	\$76.61	10
9A10601	1-1/4"	292	\$133.68	5
9A10701	1-1/2"	396	\$173.31	5
9A10801	2"	597	\$246.32	2



ball valves

bronze option adders

APOLLO PACKING WRENCH

PART NO.		PRICE
H371400	Domestic Valves	\$19.65
H380700	Apollo International™ Valves	\$20.81

ADJUSTABLE STOP LEVER

70 SERIES	82 SERIES	KIT NUMBER	ADDER
1/4" - 1/2"	1/4" - 3/8"	7856501	\$9.22
3/4" - 1"	1/2" - 3/4"	7856601	-
1-1/4" - 2"	1" - 2"	7856701	\$23.74

-02 GROUNDED STEM

	LIST PRICE
Stem Grounded Only	\$1.69

-04 2-1/4" CS EXTENDED STEM

70 SERIES	77 SERIES	82 SERIES	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$18.95
3/4" - 1"	3/4"	1/2" - 3/4"	\$20.69
1-1/4" - 2"	1" - 1-1/4"	1" - 1-1/4"	\$25.29
2-1/2" - 3"	1-1/2" - 2-1/2"	1-1/2" - 2"	\$33.29

-05 PLAIN BALL - UNPLATED

NO ADDITIONAL CHARGE

-07 STEEL TEE HANDLE

NO ADDITIONAL CHARGE (See -32 for SS)

-08 90° REVERSED STEM

ADD \$4.39 TO LIST

-10 STAINLESS STEEL LEVER & NUT

70	82 SERIES	75 SERIES	ADDER
1/4" - 1/2"	1/4" - 3/8"	—	\$4.88
3/4" - 1"	1/2" - 3/4"	—	\$8.04
1-1/4" - 2"	1" - 1-1/4"	—	\$10.24
2-1/2" - 3"	1-1/2" - 2"	1/2" - 1"	\$14.44
4"	—	1-1/4" - 2"	\$22.91

-11 THERMA-SEAL™ INSULATING TEE HANDLE

70 & 71 SERIES	77 & 82 SERIES	ADDER
1/4" - 1/2"	1/4" - 1/2"	\$41.69
3/4" - 1"	3/4"	\$47.06
1-1/4" - 1-1/2"	1" - 1-1/2"	\$77.96
2"	2"	\$101.91

-11 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	\$28.87
3/4" - 1"	3/4"	1/2" - 3/4"	78219101	\$28.87
1-1/4" - 2"	1" - 2"	1" - 2"	78219201	\$41.18

-11 THERMA-SEAL™ INSULATING TEE HANDLE KIT

70LF SERIES	82LF SERIES	KIT NUMBER	PRICE EA.
1/4" - 1/2"	1/4" - 3/8"	78276801	\$28.87
3/4" - 1"	1/2" - 3/4"	78276901	\$28.87
1-1/4" - 2"	1" - 2"	78277401	\$41.18

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

SIZE (IN.)	ADDER
1-1/2" and smaller	\$3.14
2"	\$15.39
2-1/2"	\$90.03
3" - 4"	\$127.37

-15 STEEL ROUND HANDLE

70	82	KIT NUMBER	ADDER
1/4" - 1/2"	1/4" - 3/8"	H254800	\$16.30
3/4" - 1"	1/2" - 3/4"	H254900	\$17.72
1-1/4" - 2"	1" - 2"	H260500	\$32.67

-16 VERTICAL CHAIN LEVER

CHAIN NOT INCLUDED

SIZE	KIT NUMBER	ADDER
3/4" - 1"	7840701	\$19.22
1 1/4" - 2"	7840801	\$27.34

-17 ROUGH CHROME PLATED EXTERIOR

BRONZE VALVES ONLY

SIZE	ADDER
1/4" - 1"	\$12.85
1 1/4" - 2"	\$25.29
2 1/2" - 3"	\$49.80

-18 PLAIN GRIP

NO ADDITIONAL CHARGE

-21

70	82	ADDER
1/4" - 1"	1/4" - 1"	\$43.95
1-1/4" - 3"	1-1/4" - 2"	\$74.75

-24 GRAPHITE STEM PACKING (STANDARD APOLLO)

THREAD/SWEAT

SIZE (IN.)	ADDER
1/4" - 1"	\$5.13
1-1/4" - 3"	\$10.39

-27 STAINLESS STEEL LATCH LOCK LEVER

70	77	82	KIT NUMBER	ADDER
1/4" - 1/2"	1/4" - 1/2"	—	W648200	\$11.96
3/4" - 1"	3/4"	1/2", 3/4"	W648300	\$11.96
1-1/4" - 2"	1" - 1-1/4"	1", 1-1/4"	W648400	\$11.96
2-1/2" - 3"	1-1/2" - 2-1/2"	1-1/2" - 2"	W683600	\$29.79
4"	—	2-1/2"	W807500	\$148.62

-30 CAM LOCK HANDLE & GROUND STEM

70, 71	77	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$57.20
3/4" - 1"	3/4"	1/2"	\$68.14
1-1/4" - 2"	1" - 2"	—	\$79.11



ball valves

bronze option adders

-32 STAINLESS STEEL HI-RISE TEE HANDLE

SIZE	ADDER
1/4" - 1/2"	\$9.79
3/4" - 1"	\$10.84
1 1/4" - 2"	\$19.09

W/ SS NUT

-35 VIRGIN TFE (PTFE) TRIM

70, 82-100	ADDER
1/4" - 1"	\$1.84
1 1/4" - 2"	\$3.52
2 1/2" - 4"	\$5.56

-39 SS HI-RISE, LOCKING ROUND HANDLE

70, 71	77	82	ADDER
1/4" - 1/2"		1/4" - 3/8"	\$39.66
3/4" - 1"	3/4"	1/2" - 3/4"	\$39.66
1 1/4" - 2"	1"	1"	\$61.66

-40 CYL-LOCK HANDLE & GROUND STEM

70, 71	77	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$147.05
3/4" - 1"	3/4"	1/2"	\$164.36
1-1/4" - 2"	1" - 1-1/4"	—	\$194.58

-45 LESS LEVER & NUT

NO ADDITIONAL CHARGE

-46 SS LATCH LOCK LEVER - LOCK IN CLOSED POSITION

70	77	82	Kit Number	Adder
1/4" - 1/2"	1/4" - 1/2"	—	W836800	\$61.04
3/4" - 1"	3/4"	1/2", 3/4"	W837000	\$61.04
1-1/4" - 2"	1" - 1-1/4"	1", 1-1/4"	W837200	\$62.21

-47 LATCH LOCK OVAL HANDLE - SS NUT

SEE BELOW

-48 SS OVAL HANDLE - NO LATCH - SS NUT

70, 71	77	82	HANDLE	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4", 3/8"	H303100	\$54.47
3/4", 1"	3/4"	1/2", 3/4"	H303200	\$54.47
1-1/4" - 2"	1" - 2"	1" - 2"	H303300	\$81.62

-49 ASSEMBLED DRY

THREAD/SWEAT - NO ADDITIONAL CHARGE

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

70	82	KIT NUMBER	ADDER
1/4" - 1/2"	1/4", 3/8"	7800101	\$64.39
3/4", 1"	1/2", 3/4"	7800201	\$64.39
1-1/4"	1" - 1-1/4"	7800301	\$96.58
1-1/2", 2"	—	7800401	\$96.58
2-1/2", 3"	1-1/2", 2"	7800501	\$96.58

-56 MULTIFILL (MTFE) SEATS

SIZE (IN.)	ADDER
1/4" - 1" Valves	\$4.86
1-1/4" - 2" Valves	\$7.93
2-1/2" - 3" Valves	\$40.36

-57 OXYGEN CLEANED & BAGGED

BRONZE & BRASS VALVES

SIZE (IN.)	ADDER
1/4" - 2"	\$25.21
2-1/2" - 4"	\$75.21

-58 HORIZONTAL CHAIN LEVER

CHAIN NOT INCLUDED

SIZE (IN.)	KIT NUMBER	ADDER
3/4" - 1"	7840701	\$19.22
1-1/4" - 2"	7840801	\$27.34

-59 STAINLESS STEEL EXTERNAL TRIM

82 SERIES FOR LEVERS, TIE BOLTS & NUTS

SIZE (IN.)	ADDER
1/4" - 3/8"	\$14.48
1/2" - 3/4"	\$18.25
1" - 1-1/4"	\$38.25
1-1/2" - 2"	\$49.87

-60 GROUNDED BALL & STEM

THREAD/SWEAT - CARBON MUST HAVE SS BALL/STEM

SIZE (IN.)	ADDER
1/4" - 3"	\$14.66

-62 CENTER SECTION FOR 3 PIECE & DOUBLE UNION

CONTACT CUSTOMER SERVICE

-63 NPT X SOLDER

CONTACT CUSTOMER SERVICE - NO ADDITIONAL CHARGE

-64 250 LB. STEAM TRIM

MUST HAVE STAINLESS STEEL BALL/STEM

70	77	ADDER
1/4" - 3/8"	1/4"	\$21.55
1/2"	3/8"	\$21.63
3/4"	1/2"	\$21.63
1"	3/4"	\$21.63
1-1/4"	1"	\$37.73
1-1/2"	1-1/4"	\$37.73
2"	1-1/2"	\$37.73
2-1/2"	2"	\$43.07
3"	2-1/2"	\$43.07

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

-67 CLEANED & BAGGED FOR INDUSTRIAL GASES

SIZE (IN.)	ADDER
1/4" - 2"	\$23.75
2-1/2" - 3"	\$70.95

-92 BALANCING (MEMORY STOP)

BRONZE ONLY

70	77	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$7.89
3/4" - 1"	3/4"	1/2" - 3/4"	\$10.35
1-1/4" - 3"	1" - 2-1/2"	1" - 2"	\$12.26

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

BRONZE ONLY

70	77	82	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/8"	\$27.44
3/4" - 1"	3/4"	1/2" - 3/4"	\$31.66
1-1/4" - 2"	1" - 1-1/4"	1" - 1-1/4"	\$38.31
2-1/2" - 3"	1-1/2" - 2-1/2"	1-1/2" - 2"	\$46.55



ball valves

bronze option adders

70, 71,SERIES (EXCEPT 3-WAY)

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	7000201	\$11.15
1/2"	7000301	\$11.15
3/4"	7000401	\$19.25
1"	7000501	\$27.75
1-1/4"	7000601	\$44.11
1-1/2"	7000701	\$56.00
2"	7000801	\$79.79
2-1/2", 3"	7000901	\$116.55
2-1/2" (70 Series Only)	7802001	\$87.11
4"	7000A01	\$178.24

70-600

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/2"	7000301	\$11.15
3/4"	7000401	\$19.25
1"	9000601	\$40.41
1-1/4"	7000601	\$44.11
1-1/2"	7000701	\$56.00
2"	7000801	\$79.79

77-100 & 77-200

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	7000301	\$11.15
1/2"	7000301	\$11.15
3/4"	9000601	\$40.41
1"	9000701	\$52.27
1-1/4"	7000701	\$56.00
1-1/2"	7000801	\$79.79
2"	7802001	\$87.11
2-1/2"	7000901	\$116.55

75-100

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7000301	\$11.15
3/4" - 1"	7000501	\$27.75
1-1/4"	7000601	\$44.11
1-1/2"	7000701	\$56.00
2"	7000801	\$79.79

82-100/200

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	8200201	\$12.49
1/2"	8200301	\$18.81
3/4"	8200401	\$26.71
1"	8200501	\$42.41
1-1/4"	8200601	\$54.89
1-1/2"	8200701	\$76.65
2"	8200801	\$99.85
2-1/2"	8200901	\$103.40
3"	82A00001	\$110.81
	8600001	\$84.47
4"	82A00A01	\$222.58

90

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	9000301	\$11.41
3/4"	9000401	\$17.21
1"	9000501	\$24.44
1-1/4"	9000601	\$38.86
1-1/2"	9000701	\$50.26
2"	9000801	\$70.23

BALL VALVE OPTIONS - ADDITIONAL SERVICES

Tagging	Adder	
Paper Tags	\$2.40	NET each
Soft Aluminum Tags	\$4.80	NET each
Stainless Steel Tags	\$7.12	NET each
Customer Supplied Tags	\$2.40	NET each

DOCUMENTATION

Certification of Compliance on Apollo Form:
NO ADDITIONAL CHARGE if requested at time of order

BRITISH STANDARD PIPE THREAD OPTION

Specify Required Thread Form	Two-Piece Ball Valves	Three-Piece and Top Entry Ball Valves
	-P01 suffix = BSPP Parallel Thread -T01 suffix = BSPT Taper Thread	\$40.82

- ORDERS LIMITED TO AVAILABLE STOCK ON HAND, OR 50 PIECE MINIMUM PER LINE ITEM FOR NEW PRODUCTION
- EXCEPTION TO THE 50 PIECE MINIMUM ORDER QUANTITY WOULD BE IF THE TOTAL ORDER IS \$50,000 NET OR GREATER, REGARDLESS OF PRODUCT MIX.
- BSP OPTION ORDERS ARE CONSIDERED SPECIAL ORDER: NON-CANCELLABLE & NON-RE-TURNABLE



ball valves price list

60 SERIES

BRASS BAR STOCK NEEDLE VALVE BRASS NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
6090101	1/4"		\$156.37	Grafoil
6090105			\$0.00	PTFE
6090201	3/8"		\$156.37	Grafoil
6090205			\$0.00	PTFE
6090301	1/2"		\$167.68	Grafoil
6090305			\$0.00	PTFE

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"	\$51.12
1/4"	\$52.72
3/8"	\$52.72
1/2"	\$61.51

-88 PANEL MOUNT

SIZE	ADDER
1/8"	\$48.40
1/4"	\$48.40
3/8"	\$48.40
1/2"	\$54.97
3/4"	\$61.51
1"	\$63.64

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 CPPL

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 CPPL

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 CPPL

Not all options listed are available without a minimum order requirement or special processing set up considerations. Please contact the factory for additional information



ball valves price list

60A SERIES BAR STOCK NEEDLE VALVE CARBON STEEL NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
60A10101	1/4"	123	\$156.02	PTFE
60A10124			\$144.12	Grafoil
60A10201	3/8"	119	\$167.93	PTFE
60A10224			\$148.58	Grafoil
60A10301	1/2"	164	\$195.06	PTFE
60A10324			\$170.33	Grafoil
60A10401	3/4"	334	\$317.84	PTFE
60A10424			\$283.90	Grafoil
60A10501	1"	465	\$388.24	PTFE
60A10524			\$326.15	Grafoil
60A12101	1/4"	123	\$156.02	PTFE
60A12124			\$144.12	Grafoil
60A12201	3/8"	119	\$148.58	PTFE
60A12224			\$111.83	Grafoil
60A12301	1/2"	164	\$195.06	PTFE
60A12324			\$170.33	Grafoil
60A12401	3/4"	334	\$317.84	PTFE
60A12424			\$283.90	Grafoil
60A12501	1"	465	\$388.24	PTFE
60A12524			\$326.15	Grafoil

316SS NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
60A70101	1/4"	123	\$260.87	PTFE
60A70124			\$268.64	Grafoil
60A70201	3/8"	119	\$272.50	PTFE
60A70224			\$275.55	Grafoil
60A70301	1/2"	164	\$335.00	PTFE
60A70324			\$338.04	Grafoil
60A70401	3/4"	334	\$574.70	PTFE
60A70424			\$582.14	Grafoil
60A70501	1"	465	\$733.09	PTFE
60A70524			\$745.14	Grafoil
60A72101	1/4"	123	\$265.80	PTFE
60A72124			\$268.64	Grafoil
60A72201	3/8"	119	\$272.50	PTFE
60A72224			\$275.55	Grafoil
60A72301	1/2"	164	\$335.00	PTFE
60A72324			\$338.04	Grafoil
60A72401	3/4"	334	\$574.70	PTFE
60A72424			\$582.14	Grafoil
60A72501	1"	465	\$733.09	PTFE
60A72524			\$745.14	Grafoil

-07 TEE HANDLE

SIZE		ADDER
1/4	Cross Handle replaced by Tee Handle	\$9.41
3/8	Cross Handle replaced by Tee Handle	\$9.41
1/2	Cross Handle replaced by Tee Handle	\$9.41

-09 LOCK BONNET

SIZE	ADDER
1/4	\$43.91
3/8	\$43.91
1/2	\$49.86
3/4	\$55.78
1	\$57.72

-88 PANEL MOUNT

SIZE	ADDER
1/4	\$47.81
3/8	\$47.81
1/2	\$55.78
3/4	\$59.35
1	\$64.99

-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:

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

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	\$513.52	10
7A13226	3/8"	121	\$513.52	10
7A13326	1/2"	114	\$513.52	10
7A13426	3/4"	211	\$763.95	10
7A13526	1"	294	\$1,008.98	10
7A13626	1-1/4"	440	\$1,160.83	5
7A13726	1-1/2"	704	\$1,165.07	5
7A13826	2"	1086	\$1,584.09	2



ball valves price list

60B SERIES

BAR STOCK NEEDLE VALVE CARBON STEEL NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
60B10101	1/4	123	\$156.02	PTFE
60B10124			\$141.46	Grafoil
60B10201	3/8	119	\$167.93	PTFE
60B10224			\$145.83	Grafoil
60B10301	1/2	164	\$191.40	PTFE
60B10324			\$167.14	Grafoil
60B10401	3/4	334	\$317.84	PTFE
60B10424			\$278.60	Grafoil
60B10501	1	465	\$388.24	PTFE
60B10524			\$326.15	Grafoil
60B12101	1/4	123	\$156.02	PTFE
60B12124			\$144.12	Grafoil
60B12301	1/2	164	\$195.06	PTFE
60B12324			\$170.33	Grafoil
60B12401	3/4	334	\$317.84	PTFE
60B12424			\$283.90	Grafoil
60B12501	1	465	\$388.24	PTFE
60B12524			\$255.26	Grafoil

316SS NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
60B70101	1/4"	123	\$265.80	PTFE
60B70124			\$268.64	Grafoil
60B70201	3/8"	119	\$272.50	PTFE
60B70224			\$275.55	Grafoil
60B70301	1/2"	164	\$328.75	PTFE
60B70324			\$331.71	Grafoil
60B70401	3/4"	334	\$574.70	PTFE
60B70424			\$582.14	Grafoil
60B70501	1"	465	\$733.09	PTFE
60B70524			\$745.14	Grafoil
60B72101	1/4"	123	\$265.80	PTFE
60B72124			\$268.64	Grafoil
60B72201	3/8"	119	POA	PTFE
60B72224			\$275.55	Grafoil
60B72301	1/2"	164	\$335.00	PTFE
60B72324			\$321.94	Grafoil
60B72401	3/4"	334	\$574.70	PTFE
60B72424			\$434.63	Grafoil
60B72501	1"	465	\$733.09	PTFE
60B72524			\$745.15	Grafoil

CARBON STEEL ANGLE NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
60B20101	1/4"	80	\$150.70	PTFE
60B20124			\$138.74	Grafoil
60B20201	3/8"	90	\$169.06	PTFE
60B20224			\$148.58	Grafoil
60B20301	1/2"	120	\$197.82	PTFE
60B20324			\$173.04	Grafoil
60B20401	3/4"	320	\$369.96	PTFE
60B20424			\$457.49	Grafoil
60B20501	1"	500	\$317.19	PTFE
60B20524			\$442.56	Grafoil

316SS ANGLE NEEDLE

PRODUCT	SIZE (IN.)	WT./100	PRICE EA.	PACKING
60B80101	1/4"	80	\$245.90	PTFE
60B80124			\$301.34	Grafoil
60B80201	3/8"	90	\$382.09	PTFE
60B80224			\$454.59	Grafoil
60B80301	1/2"	120	\$464.82	PTFE
60B80324			\$553.02	Grafoil
60B80401	3/4"	320	\$1,090.36	PTFE
60B80424			\$1,297.26	Grafoil
60B80501	1"	500	\$1,655.69	PTFE
60B80524			\$1,969.88	Grafoil

-07 TEE HANDLE

SIZE		ADDER
1/4	Cross Handle replaced by Tee Handle	\$9.41
3/8	Cross Handle replaced by Tee Handle	\$9.41
1/2	Cross Handle replaced by Tee Handle	\$9.41

-09 LOCK BONNET

SIZE	ADDER
1/4	\$43.91
3/8	\$43.91
1/2	\$49.86
3/4	\$55.78
1	\$57.72

-88 PANEL MOUNT

SIZE	ADDER
1/4	\$47.81
3/8	\$47.81
1/2	\$55.78
3/4	\$59.35
1	\$64.99

-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



ball valves price list

399 SERIES

THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
39910101A	1/4"	58	\$638.67	10
39910201A	3/8"	54	\$638.67	10
39910301A	1/2"	63	\$723.18	10
39910401A	3/4"	127	\$807.71	10
39910501A	1"	163	\$1,104.31	10
39910601	1-1/4"	306	\$1,426.18	5
39910701	1-1/2"	404	\$2,209.39	5
39910801	2"	605	\$2,633.06	2

72 & 72-A SERIES

CARBON STEEL BALL VALVE

HIGH PRESSURE - FULL PORT

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7210327A	1/2"	236	\$123.40	6
7210427A	3/4"	307	\$153.28	4
7210527A	1"	491	\$231.13	4
7210627A	1-1/4"	773	\$353.33	2
7210727A	1-1/2"	1021	\$445.64	2
7210827A	2"	1488	\$548.81	1

HIGH PRESSURE - FULL PORT W/ 316 BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7214327A	1/2"	256	\$152.22	6
7214427A	3/4"	307	\$194.53	4
7214527A	1"	491	\$275.77	4
7214627A	1-1/4"	773	\$406.40	2
7214727A	1-1/2"	1021	\$514.42	2
7214827A	2"	1488	\$645.06	1

SAE STRAIGHT THREAD

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7290127A	1/4"	209	\$134.78	6
7290227A	3/8"	206	\$134.78	6
7290327A	1/2"	256	\$132.28	6
7290427A	3/4"	307	\$170.48	4
7290527A	1"	491	\$245.59	4
7290627A	1-1/4"	773	\$384.35	2
7290727A	1-1/2"	1021	\$499.29	2
7290827A	2"	1488	\$610.58	1



ball valves price list

73 SERIES

CARBON STEEL BALL VALVE - DOUBLE UNION THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7330101	1/4"	351	\$235.86	6
7330201	3/8"	345	\$235.86	6
7330301	1/2"	335	\$235.86	6
7330401	3/4"	448	\$315.40	4
7330501	1"	704	\$399.50	4
7330601	1-1/4"	996	\$580.25	2
7330701	1-1/2"	1483	\$765.33	2
7330801	2"	2050	\$861.97	1

THREADED ENDS W/ 316 SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7334101	1/4"	351	\$252.66	6
7334201	3/8"	345	POA	6
7334301	1/2"	335	\$252.66	6
7334401	3/4"	448	\$357.39	4
7334501	1"	704	\$445.67	4
7334601	1-1/4"	996	\$626.57	2
7334701	1-1/2"	1483	\$824.16	2
7334801	2"	2050	\$946.16	1

SOCKET WELD ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7340301	1/2"	335	\$235.86	6
7340401	3/4"	448	\$315.40	4
7340501	1"	704	\$399.50	4
7340601	1-1/4"	996	\$580.25	2
7340701	1-1/2"	1483	\$765.33	2
7340801	2"	2050	\$861.97	1

74 SERIES

THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
74-103-01A	1/2"	58	POA	10
74-104-01A	3/4"	118	POA	10
74-105-01A	1"	157	POA	10
74-107-01	1-1/2"	411	POA	5
74-108-01	2"	602	POA	2

73A SERIES

A105 CARBON STEEL BALL VALVE THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
73A10127A	1/4"	61	\$51.46	10
73A10227A	3/8"	63	\$51.46	10
73A10327A	1/2"	75	\$55.92	10
73A10427A	3/4"	158	\$80.71	10
73A10527A	1"	209	\$108.63	10
73A10627	1-1/4"	374	\$185.64	5
73A10727	1-1/2"	530	\$235.19	5
73A10827	2"	803	\$323.85	2

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
73A14127A	1/4"	61	\$76.24	10
73A14227A	3/8"	63	\$76.24	10
73A14327A	1/2"	75	\$80.65	10
73A14427A	3/4"	158	\$126.26	10
73A14527A	1"	209	\$154.03	10
73A14627	1-1/4"	374	\$243.97	5
73A14727	1-1/2"	530	\$311.21	5
73A14827	2"	803	\$400.19	2



ball valves price list

76 SERIES

CF8M STAINLESS STEEL BALL VALVE THREADED LATCH LOCK

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7610127A	1/4"	58	\$116.79	10
7610227A	3/8"	54	\$116.79	10
7610327A	1/2"	63	\$116.79	10
7610427A	3/4"	127	\$193.51	10
7610527A	1"	163	\$235.75	10
7610627	1-1/4"	307	\$448.96	5
7610727	1-1/2"	399	\$469.13	5
7610827	2"	599	\$609.02	2
7610927	2-1/2"	1557	\$2,113.06	1
7610027	3"	1679	\$2,297.35	1

76F SERIES

THREADED LATCH LOCK

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
76F10127	1/4"	47	\$65.58	10
76F10227	3/8"	43.5	\$65.58	10
76F10327A	1/2"	55	\$69.04	10
76F10427A	3/4"	153.5	\$93.19	10
76F10527A	1"	280.5	\$134.64	5
76F10627A	1-1/4"	412	\$172.56	5
76F10727A	1-1/2"	573.5	\$258.82	2
76F10827A	2"	973	\$327.87	2
76F10027A	3"	2274	\$1,162.63	1

THREADED DOUBLE UNION

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7630301	1/2"	288	\$631.65	6
7630401	3/4"	381	\$704.40	4
7630501	1"	598	\$1,085.27	4
7630601	1-1/4"	847	\$1,411.93	2
7630701	1-1/2"	1261	\$1,898.69	2
7630801	2"	1688	\$2,340.10	1

THREADED ENDS W/ SPRING RETURN HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7650101A	1/4"	126	\$248.31	10
7650201A	3/8"	125	\$248.31	10
7650301A	1/2"	131	\$248.31	10
7650401A	3/4"	198	\$321.44	5
7650501A	1"	235	\$361.30	5
7650601	1-1/4"	396	\$599.49	4
7650701	1-1/2"	478	\$634.91	2
7650801	2"	666	\$787.64	2

3 WAY THREADED

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
7660127A	1/4"	70	\$245.50	6
7660227A	3/8"	66	\$250.19	6
7660327A	1/2"	75	\$245.50	6
7660427A	3/4"	145	\$328.87	6
7660527A	1"	186	\$413.37	6
7660727A	1-1/2"	467	\$854.41	5
7660827A	2"	702	\$1,095.16	2



ball valves price list

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	\$171.44	8
83A14201	3/8"	230	\$171.44	8
83A14301	1/2"	230	\$208.49	8
83A14401	3/4"	360	\$276.78	6
83A14501	1"	570	\$345.05	4
83A14601	1-1/4"	1430	\$468.87	2
83A14701	1-1/2"	1430	\$611.72	2
83A14801	2"	2760	\$794.44	1
83R14001*	3"	4115	\$3,288.43	1

SOCKET WELD END - FULL PORT - 1500 LB.

Part No.	Size (in.)	Wt./100	Price Ea.	Pieces/Box
83A24101	1/4"	230	\$171.44	8
83A24201	3/8"	230	\$171.44	8
83A24301	1/2"	230	\$208.49	8
83A24401	3/4"	400	\$276.78	6
83A24501	1"	570	\$345.05	4
83A24601	1-1/4"	1420	\$468.87	2
83A24701	1-1/2"	1438	\$600.26	2
83A24801	2"	2760	\$794.44	1
83R24001*	3"	4036	\$3,288.43	1

BUTTWELD END - FULL PORT - CLASS 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83A54301	1/2"	230	\$222.57	8
83A54401	3/4"	360	\$295.89	6
83A54501	1"	570	\$369.86	4
83A54701	1-1/2"	1438	\$644.13	2
83A54801	2"	2760	\$867.50	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	\$237.72	8
83B14201	3/8"	230	\$237.72	8
83B14301	1/2"	230	\$246.60	8
83B14401	3/4"	360	\$340.03	6
83B14501	1"	570	\$446.96	4
83B14601	1-1/4"	1438	\$566.06	2
83B14701	1-1/2"	1438	\$776.50	2
83B14801	2"	2760	\$1,416.85	1

SOCKET WELD END - FULL PORT - CLASS 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83B24101	1/4"	230	\$237.72	8
83B24201	3/8"	230	\$237.72	8
83B24301	1/2"	230	\$246.60	8
83B24401	3/4"	360	\$340.03	6
83B24501	1"	570	\$446.96	4
83B24601	1-1/4"	1438	\$566.06	2
83B24701	1-1/2"	1438	\$776.50	2
83B24801	2"	2760	\$1,416.85	1

BUTTWELD END - FULL PORT - CLASS 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
83B54301	1/2"	230	\$261.39	8
83B54401	3/4"	360	\$360.36	6
83B54501	1"	570	\$473.65	4
83B54701	1-1/2"	1438	\$808.93	2
83B54801	2"	2760	\$1,474.82	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	\$556.11	2
83R14801	2"	1302	\$735.99	1
83R14001	3"	4115	\$3,288.43	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	\$556.11	2
83R24801	2"	1251	\$735.99	1
83R24001	3"	4036	\$3,288.43	1



ball valves price list

84A SERIES

CARBON STEEL 3-PIECE VALVE THREADED END - STANDARD PORT - 1500 CWP

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
84A14401	3/4"	360	\$260.69	6
84A14501	1"	570	\$310.58	4
84A14701	1-1/2"	1430	\$611.72	2
84A14801	2"	2760	\$714.97	1
84A14901	2-1/2"	3400	\$1,177.44	1

SOCKET WELD END - STANDARD PORT - 1500 CWP

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
84A24401	3/4"	400	\$260.69	6
84A24501	1"	570	\$310.58	4
84A24701	1-1/2"	1438	\$611.72	2
84A24801	2"	2760	\$714.97	1
84A24901	2-1/2"	3400	\$1,177.44	1

BUTT WELD END - STANDARD PORT - 1500 CWP

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
84A54401	3/4"	360	\$271.14	6
84A54501	1"	570	\$322.99	4
84A54701	1-1/2"	1438	\$636.19	2
84A54801	2"	2760	\$743.59	1
84A54901	2-1/2"	3400	\$1,224.54	1

84B SERIES

CARBON STEEL 3-PIECE VALVE THREADED END - STANDARD PORT - ASME 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
84B14401	3/4"	360	\$306.03	6
84B14501	1"	570	\$402.26	4
84B14701	1-1/2"	1430	\$729.97	2
84B14801	2"	2760	\$1,192.26	1
84B14901	2-1/2"	3400	\$1,410.45	1

SOCKET WELD END - STANDARD PORT - ASME 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
84B24401	3/4"	400	\$306.03	6
84B24501	1"	570	\$402.26	4
84B24701	1-1/2"	1438	\$729.97	2
84B24801	2"	2760	\$1,192.26	1
84B24901	2-1/2"	3400	\$1,410.45	1

BUTT WELD END - STANDARD PORT - ASME 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
84B54401	3/4"	360	\$318.25	6
84B54501	1"	570	\$418.33	4
84B54701	1-1/2"	1438	\$759.18	2
84B54801	2"	2760	\$1,239.92	1
84B54901	2-1/2"	3400	\$1,466.86	1

85A SERIES

STAINLESS STEEL 3-PIECE VALVE THREADED END - STANDARD PORT - 1500 CWP

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
85A10401	3/4"	360	\$462.44	6
85A10501	1"	570	\$475.65	4
85A10701	1-1/2"	1430	\$804.28	2
85A10801	2"	2760	\$1,108.24	1
85A10901	2-1/2"	3400	\$1,769.57	1

SOCKET WELD END - STANDARD PORT - 1500 CWP

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
85A20401	3/4"	400	\$462.44	6
85A20501	1"	570	\$475.65	4
85A20701	1-1/2"	1438	\$804.28	2
85A20801	2"	2760	\$1,108.24	1
85A20901	2-1/2"	3400	\$1,769.57	1

BUTTWELD END - STANDARD PORT - 1500 CWP

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
85A50401	3/4"	360	\$480.96	6
85A50501	1"	570	\$494.67	4
85A50701	1-1/2"	1438	\$836.43	2
85A50801	2"	2760	\$1,152.56	1
85A50901	2-1/2"	3400	\$1,840.35	1



ball valves price list

85B SERIES

STAINLESS STEEL 3-PIECE VALVE
THREADED END - STANDARD PORT - ASME 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
85B10401	3/4"	360	\$519.75	6
85B10501	1"	570	\$614.93	4
85B10701	1-1/2"	1430	\$1,040.34	2
85B10801	2"	2760	\$1,507.93	1
85B10901	2-1/2"	3400	\$2,089.67	1

SOCKET WELD END - STANDARD PORT - ASME 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
85B20401	3/4"	400	\$519.75	6
85B20501	1"	570	\$614.93	4
85B20701	1-1/2"	1438	\$1,040.34	2
85B20801	2"	2760	\$1,507.93	1
85B20901	2-1/2"	3400	\$2,089.67	1

BUTT WELD END - STANDARD PORT - ASME 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
85B50401	3/4"	360	\$540.56	6
85B50501	1"	570	\$639.53	4
85B50701	1-1/2"	1438	\$1,081.97	2
85B50801	2"	2760	\$1,568.26	1
85B50901	2-1/2"	3400	\$2,173.26	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	\$315.00	8
86A10201	3/8"	230	\$315.00	8
86A10301	1/2"	230	\$349.29	8
86A10401	3/4"	360	\$503.76	6
86A10501	1"	570	\$604.54	4
86A10601	1-1/4"	1438	\$718.71	2
86A10701	1-1/2"	1438	\$940.39	2
86A10801	2"	2760	\$1,242.68	1
86R10001*	3"	4115	\$4,223.12	1

SOCKET WELD END - FULL PORT - 1500 LB.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86A20101	1/4"	230	\$315.00	8
86A20201	3/8"	230	\$315.00	8
86A20301	1/2"	230	\$349.29	8
86A20401	3/4"	398	\$503.76	6
86A20501	1"	570	\$604.54	4
86A20601	1-1/4"	1452	\$718.71	2
86A20701	1-1/2"	1438	\$940.39	2
86A20801	2"	2760	\$1,242.68	1
86R20001*	3"	4036	\$4,223.12	1

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86A50301	1/2"	230	\$368.95	8
86A50401	3/4"	360	\$532.84	6
86A50501	1"	570	\$641.96	4
86A50701	1-1/2"	1438	\$997.14	2
86A50801	2"	2760	\$1,344.10	1

86B SERIES

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

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86B10101	1/4"	230	\$353.53	8
86B10201	3/8"	230	\$353.53	8
86B10301	1/2"	230	\$402.04	8
86B10401	3/4"	360	\$577.53	6
86B10501	1"	570	\$683.24	4
86B10601	1-1/4"	1438	\$864.05	2
86B10701	1-1/2"	1438	\$1,155.93	2
86B10801	2"	2760	\$2,020.30	1

SOCKET WELD END - FULL PORT - CLASS 600

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86B20101	1/4"	230	\$353.53	8
86B20201	3/8"	230	\$353.53	8
86B20301	1/2"	230	\$402.06	8
86B20401	3/4"	360	\$566.75	6
86B20501	1"	570	\$670.50	4
86B20601	1-1/4"	1438	\$864.07	2
86B20701	1-1/2"	1438	\$1,134.35	2
86B20801	2"	2760	\$1,982.53	1

BUTT WELD END - FULL PORT - CLASS 600 (SCH40)

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86B50301	1/2"	230	\$422.62	8
86B50401	3/4"	360	\$596.95	6
86B50501	1"	570	\$709.17	4
86B50701	1-1/2"	1438	\$1,194.84	2
86B50801	2"	2760	\$2,098.02	1



ball valves price list

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	\$1,206.06	1
86R10001	3"	4115	\$4,223.12	1

SOCKET WELD END - FULL PORT - 800 LB.

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
86R20801	2"	1242	\$1,206.06	1
86R20001	3"	4036	\$4,223.12	1

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	\$1,495.31	1
87A10801	2"	18	\$1,826.37	1
87A10901	2-1/2"	27	\$2,377.57	1
87A10001	3"	34.3	\$2,914.28	1
87A10A01	4"	73	\$4,137.78	1
87A10C01	6"	117	\$8,642.77	1
87A10E01	8"	310.3	\$15,367.34	1
87A10G01	10"	525.8	\$26,352.85	1

87A-7: 300 FLANGED ENDS - STANDARD PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A70701A	1-1/2"	15.7	\$1,724.30	1
87A70801	2"	24.4	\$1,883.42	1
87A70901	2-1/2"	26	\$3,746.24	1
87A70001	3"	54.5	\$4,343.49	1
87A70A01	4"	95	\$6,288.45	1
87A70C01	6"	187	\$12,046.38	1
87A70E01	8"	399.2	\$22,993.46	1
87A70G01	10"	704	\$46,075.26	1

87A-2: 150 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A20301A	1/2"	3.35	\$513.15	1
87A20401A	3/4"	4.6	\$650.04	1
87A20501	1"	7	\$780.80	1
87A20701	1-1/2"	14.3	\$1,969.90	1
87A20801	2"	25	\$2,471.30	1
87A20901	2-1/2"	30	\$3,211.60	1
87A20001	3"	60	\$3,538.72	1
87A20A01	4"	91	\$5,308.28	1
87A20C01	6"	247.5	\$13,153.33	1
87A20E01	8"	467	\$19,791.88	1
87A20G01	10"	790	\$36,604.81	1
87A20H01	12"	1300	\$63,489.24	1

87A-9: 300 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A90301A	1/2"	6	\$945.40	1
87A90401A	3/4"	9	\$1,077.75	1
87A90501	1"	10.5	\$1,365.08	1
87A90701	1-1/2"	21	\$2,748.10	1
87A90801	2"	37	\$3,161.30	1
87A90901	2-1/2"	50	\$5,046.34	1
87A90001	3"	78	\$5,352.60	1
87A90A01	4"	133	\$7,310.32	1
87A90C01	6"	329.2	\$19,191.54	1
87A90E01	8"	600	\$25,033.46	1
87A90G01	10"	944	\$56,467.09	1
87A90H01	12"	1542	\$66,617.19	1

87A SERIES

ALLOY 20 - ASME CLASS

87A-5: 150 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87A50301A	1/2"	3.2	POA	1
87A50401A	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



ball valves price list

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	\$2,969.83	1
87B10A01	4"	72	\$4,216.62	1
87B10C01	6"	110	\$8,642.77	1
87B10E01	8"	210	\$15,367.34	1
87B10G01	10"	350	\$26,352.85	1

87A-F SERIES

STAINLESS STEEL VALVE - ASME CLASS
600 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
87AF0580	1"	13	\$1,830.61	1
87AF0780	1.5"	32	\$3,203.51	1
87AF0880	2"	53	\$4,049.17	1
87AF0980	2.5"	65	\$5,879.74	1
87AF0080	3"	101	\$6,232.95	1
87AFOA80	4"	194	\$8,516.24	1
87AF0C80	6"	500	\$22,350.08	1
87AFOE80	8"	920	\$29,150.08	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	\$960.14	1
88A10801	2"	18	\$1,074.02	1
88A10901	2-1/2"	27	\$1,504.05	1
88A10001	3"	44	\$1,639.52	1
88A10A01	4"	73	\$2,866.71	1
88A10C01	6"	117	\$5,081.49	1
88A10E01	8"	310.3	\$10,924.81	1
88A10G01	10"	525.8	\$19,497.32	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	\$1,028.86	1
88A14801	2"	18	\$1,142.55	1
88A14901	2-1/2"	27	\$1,555.10	1
88A14001	3"	44	\$1,872.82	1
88A14A01	4"	73	\$3,082.77	1
88A14C01	6"	117	\$6,726.92	1
88A14E01	8"	310.3	\$14,305.88	1
88A14G01	10"	525.8	\$24,680.90	1

88A-2: 150 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A20301A	1/2"	3.35	\$419.41	1
88A20401A	3/4"	4.6	\$524.29	1
88A20501	1"	7	\$601.16	1
88A20701	1-1/2"	14.3	\$1,170.23	1
88A20801	2"	25	\$1,217.77	1
88A20901	2-1/2"	30	\$1,814.28	1
88A20001	3"	60	\$2,140.18	1
88A20A01	4"	91	\$3,389.03	1
88A20C01	6"	247.5	\$6,601.18	1
88A20E01	8"	467	\$12,188.06	1
88A20G01	10"	790	\$27,210.83	1
88A20H01	12"	1300	\$38,500.59	1

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

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A24301A	1/2"	3.35	\$471.82	1
88A24401A	3/4"	4.6	\$559.23	1
88A24501	1"	7	\$640.09	1
88A24701	1-1/2"	14.3	\$1,185.99	1
88A24801	2"	25	\$1,252.39	1
88A24901	2-1/2"	30	\$2,167.69	1
88A24001	3"	60	\$2,196.51	1
88A24A01	4"	91	\$3,440.08	1
88A24C01	6"	247.5	\$7,810.70	1
88A24E01	8"	467	\$15,938.49	1
88A24G01	10"	790	\$28,794.13	1
88A24H01	12"	1300	\$46,875.23	1

88A-7: 300 FLANGED ENDS - STANDARD PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A70701A	1-1/2"	15.7	\$1,310.76	1
88A70801	2"	24.4	\$1,414.49	1
88A70901	2-1/2"	26	\$2,446.69	1
88A70001	3"	54.5	\$2,819.52	1
88A70A01	4"	95	\$4,247.04	1
88A70C01	6"	187	\$7,516.24	1
88A70E01	8"	399.2	\$13,057.16	1
88A70G01	10"	704	\$23,396.70	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	\$1,450.51	1
88A74801	2"	24.4	\$1,566.84	1
88A74901	2-1/2"	26	\$2,621.43	1
88A74001	3"	54.5	\$3,181.88	1
88A74A01	4"	95	\$4,715.31	1
88A74C01	6"	187	\$8,548.99	1
88A74E01	8"	265	\$14,627.92	1
88A74G01	10"	401	\$27,323.69	1



ball valves price list

88A SERIES

CARBON STEEL VALVE - ASME CLASS

88A-9: 300 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A90301A	1/2"	6	\$532.24	1
88A90401A	3/4"	9	\$587.20	1
88A90501	1"	10.5	\$807.42	1
88A90701	1-1/2"	21	\$1,743.25	1
88A90801	2"	37	\$2,018.55	1
88A90901	2-1/2"	50	\$2,646.89	1
88A90001	3"	78	\$3,119.57	1
88A90A01	4"	133	\$4,404.06	1
88A90C01	6"	329.2	\$12,111.18	1
88A90E01	8"	600	\$17,287.67	1
88A90G01	10"	944	\$35,224.29	1
88A90H01	12"	1542	\$42,248.78	1

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

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88A94301A	1/2"	6	\$568.87	1
88A94401A	3/4"	9	\$642.28	1
88A94501	1"	10.5	\$899.13	1
88A94701	1-1/2"	21	\$1,926.79	1
88A94801	2"	37	\$2,293.83	1
88A94901	2-1/2"	50	\$3,088.08	1
88A94001	3"	78	\$3,486.61	1
88A94A01	4"	133	\$5,138.16	1
88A94C01	6"	329.2	\$13,579.22	1
88A94E01	8"	600	\$18,710.31	1
88A94G01	10"	944	\$38,624.58	1
88A94H01	12"	1542	\$50,464.45	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	\$1,639.52	1
88B10A01	4"	72	\$2,866.71	1
88B10C01	6"	110	\$5,081.49	1
88B10E01	8"	210	\$10,924.81	1
88B10G01	10"	350	\$19,497.32	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	\$1,908.46	1
88B14A01	4"	72	\$3,082.77	1
88B14C01	6"	110	\$6,726.92	1
88B14E01	8"	210	\$14,305.88	1
88B14G01	10"	350	\$24,680.90	1

88A-F SERIES

CARBON STEEL VALVE - ASME CLASS

600 FLANGED ENDS - FULL PORT

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88AF0580	1"	13	\$1,370.53	1
88AF0780	1.5"	32	\$1,935.57	1
88AF0880	2"	53	\$2,150.68	1
88AF0980	2.5"	65	\$2,537.83	1
88AF0080	3"	101	\$2,731.34	1
88AFOA80	4"	194	\$6,265.35	1
88AF0C80	6"	500	\$12,964.83	1
88AFOE80	8"	920	\$24,501.18	1

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

PART NO.	SIZE (IN.)	WT./EA.	PRICE EA.	PIECES/BOX
88AF4580	1"	13	\$1,411.66	1
88AF4780	1.5"	32	\$2,115.02	1
88AF4880	2"	53	\$2,349.98	1
88AF4980	2.5"	65	\$2,935.54	1
88AF4080	3"	101	\$3,228.30	1
88AF4A80	4"	194	\$6,454.23	1
88AF4C80	6"	500	\$13,353.77	1
88AF4E80	8"	920	\$26,600.31	1



ball valves price list

89 SERIES

CAST CARBON STEEL VALVE THREADED ENDS - MOUNTING PADS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8910127A	1/4"	58	\$67.29	10
8910227A	3/8"	54	\$68.58	10
8910327A	1/2"	63	\$67.29	10
8910427A	3/4"	127	\$87.34	10
8910527A	1"	163	\$121.82	10
8910627	1-1/4"	306	\$279.53	5
8910727	1-1/2"	398	\$399.15	5
8910827	2"	599	\$473.53	2

SPRING RETURN HANDLE

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8950101A	1/4"	126	\$208.28	10
8950201A	3/8"	125	\$212.26	10
8950301A	1/2"	131	\$208.28	10
8950401A	3/4"	198	\$231.62	5
8950501A	1"	235	\$248.24	5
8950601	1-1/4"	396	\$451.95	4
8950701	1-1/2"	478	\$555.25	2
8950801	2"	666	\$696.07	2

THREADED ENDS W/ 316SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
8914127A	1/4"	58	\$89.81	10
8914227A	3/8"	54	\$89.81	10
8914327A	1/2"	63	\$88.17	10
8914427A	3/4"	127	\$130.65	10
8914527A	1"	163	\$166.19	10
8914627	1-1/4"	306	\$330.02	5
8914727	1-1/2"	398	\$421.17	5
8914827	2"	599	\$549.42	2
8914927	2-1/2"	1557	\$1,233.71	1
8914027	3"	1679	\$1,322.71	1



ball valves price list

90 SERIES

BRONZE VALVE - UL LISTED
THREADED ENDS - UNIBODY

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9010301A	1/2"	53	\$32.04	10
9010401A	3/4"	82	\$39.59	10
9010501A	1"	125	\$59.25	10
9010601A	1-1/4"	198	\$100.85	5
9010701A	1-1/2"	299	\$130.61	5
9010801A	2"	464	\$185.99	2

92 SERIES

CAST CARBON STEEL VALVE - UNIBODY
THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9210101	1/4"	49	\$78.37	10
9210201	3/8"	49	\$78.37	10
9210301	1/2"	49	\$78.37	10
9210401	3/4"	76	\$94.33	10
9210501	1"	121	\$137.20	10
9210601	1-1/4"	195	\$197.67	5
9210701	1-1/2"	292	\$296.24	5
9210801	2"	473	\$378.89	2

93 SERIES

CARBON STEEL VALVE - UNIBODY
THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9310101	1/4"	56	\$57.95	10
9310201	3/8"	56	\$57.95	10
9310301	1/2"	56	\$57.95	10
9310401	3/4"	79	\$66.71	10
9310501	1"	127	\$89.30	10
9310601	1-1/4"	226	\$138.78	5
9310701	1-1/2"	357	\$192.10	5
9310801	2"	594	\$249.53	2

96 SERIES

CF8M STAINLESS STEEL VALVE - UNIBODY
THREADED ENDS

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9610101	1/4"	49	\$101.73	10
9610201	3/8"	49	\$103.68	10
9610301	1/2"	49	\$101.73	10
9610401	3/4"	76	\$141.01	10
9610501	1"	121	\$170.01	10
9610601	1-1/4"	195	\$257.63	5
9610701	1-1/2"	292	\$388.49	5
9610801	2"	473	\$461.37	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	\$33.98	10
9A10201	3/8"	73	\$33.98	10
9A10301	1/2"	73	\$33.98	10
9A10401	3/4"	110	\$44.94	10
9A10501	1"	173	\$62.38	10
9A10601	1-1/4"	292	\$108.86	5
9A10701	1-1/2"	396	\$141.12	5
9A10801	2"	597	\$200.57	2

THREADED ENDS W/ 316SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9214101	1/4"	49	\$96.15	10
9214201	3/8"	49	\$96.15	10
9214301	1/2"	49	\$96.15	10
9214401	3/4"	76	\$127.13	10
9214501	1"	121	\$168.39	10
9214601	1-1/4"	195	\$235.91	5
9214701	1-1/2"	292	\$347.33	5
9214801	2"	473	\$431.00	2

THREADED ENDS W/ 316SS BALL & STEM

PART NO.	SIZE (IN.)	WT./100	PRICE EA.	PIECES/BOX
9314101	1/4"	56	\$76.75	10
9314201	3/8"	56	\$76.75	10
9314301	1/2"	56	\$76.75	10
9314401	3/4"	79	\$99.08	10
9314501	1"	127	\$119.91	10
9314601	1-1/4"	226	\$176.95	5
9314701	1-1/2"	357	\$243.10	5
9314801	2"	594	\$301.53	2

BRITISH STANDARD PIPE THREAD OPTION

SPECIFY REQUIRED THREAD FORM	LIST ADDER	LIST ADDER
	Two-Piece Ball Valves	Three-Piece and Top Entry Ball Valves
-P01 suffix = BSPP Parallel Thread	\$40.82	\$75.55
-T01 suffix = BSPT Taper Thread		

- ORDERS LIMITED TO AVAILABLE STOCK ON HAND, OR 50 PIECE MINIMUM PER LINE ITEM FOR NEW PRODUCTION
- EXCEPTION TO THE 50 PIECE MINIMUM ORDER QUANTITY WOULD BE IF THE TOTAL ORDER IS \$50,000 NET OR GREATER, REGARDLESS OF PRODUCT MIX.
- BSP OPTION ORDERS ARE CONSIDERED SPECIAL ORDER: NON-CANCELLABLE & NON-RETURNABLE



ball valves price list

83, 84, 85, 86 SERIES

OPTION ADDERS

-4 2-1/4" STEM EXTENSION

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 3/4"	3/4"-1"	\$141.49
1" - 2"	1-1/2"-2-1/2"	\$201.74

-14 VENTED BALL (UNIDIRECTIONAL)

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1-1/2"	3/4"-2"	\$9.16
2"	2-1/2"	\$11.59

-15 ROUND HANDLE

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 3/4"	3/4"-1"	\$99.97
1" - 2"	1-1/2"-2-1/2"	\$143.22

-21 UHMWPE TRIM - B SERIES ONLY

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 3/4"	3/4"-1"	\$36.64
1" - 1-1/4"	1-1/2"	\$62.31
1-1/2" - 2"	2"-2-1/2"	\$63.28

-24 GRAPHITE STEM PACKING (B SERIES ONLY)

FULL PORT	STANDARD PORT	PRICE EA.
1/4"		\$10.73
3/8"		\$10.73
1/2"	3/4"	\$14.64
3/4"	1"	\$16.63
1"	1-1/2"	\$20.73
1-1/4"		\$22.82
1-1/2"	2"	\$24.84
2"	2-1/2"	\$37.18

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

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1/2"	3/4"	\$375.86
3/4"	1"	\$385.50
1"	1-1/2"	\$517.93
1-1/4" - 1-1/2"	2"	\$949.48
2"	2-1/2"	\$1,264.92

-49 ASSEMBLED DRY

SIZE (IN.)	Price Ea.
All Sizes	No Charge

-57 CLEANED FOR OXYGEN SERVICE (SS ONLY)

SIZE (IN.)	Price Ea.
1/4" - 1"	\$141.58
1-1/4" - 1-1/2"	\$179.24
2"	\$268.10
2 1/2" - 3"	\$367.51

-60 GROUNDED BALL/STEM - A SERIES (STANDARD ON 83B & 86B)

SIZE (IN.)	Price Ea.
All Sizes	\$12.13

-63 NPT x SW

SIZE (IN.)	Price Ea.
All Sizes	No Charge

-66 NPT X BUTTWELDED (83A/B)

FULL PORT	STANDARD PORT	PRICE EA.
1/4"		\$5.02
1/2"	3/4"	\$5.02
3/4"	1"	\$6.88
1"	1-1/2"	\$9.05
1-1/4"		\$-
1-1/2"	2"	\$16.07
2"	2-1/2"	\$28.76

-67 CLEANED FOR INDUSTRIAL GASES (CS ONLY)

SIZE (IN.)	Price Ea.
1/4" - 1"	\$141.58
1-1/4" - 1-1/2"	\$179.24
2"	\$268.10
2 1/2" - 3"	\$367.51

-69 DRILLED/TAPPED PURGE & DRAINS

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1"	3/4"-1-1/2"	\$254.17
1-1/2"	2"	\$290.52
2"	2-1/2"	\$308.61

-70 4" EXTENDED BONNET

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1"	3/4"-1-1/2"	\$653.59
1-1/4" - 1-1/2"	2"	\$798.84
2"	2-1/2"	\$853.28

-76 LIVE LOAD LEVER

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1"	3/4"-1-1/2"	\$128.40
1-1/4" - 1-1/2"	2"	\$234.17
2"	2-1/2"	\$257.38

-77 LIVE LOADED (GEAR/AUTOMATION)

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1"	3/4"-1-1/2"	\$17.56
1-1/4" - 1-1/2"	2"	\$30.57
2"	2-1/2"	\$33.61

-90 EXT. BONNET W/ DOUBLE PACKING

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1"	3/4"-1-1/2"	\$1,291.79
1-1/4" - 1-1/2"	2"	\$1,658.38
2"	2-1/2"	\$1,832.99

9P EXT. BONNET W/ DOUBLE PACKING & PORT

FULL PORT	STANDARD PORT	PRICE EA.
1/4" - 1"	3/4"-1-1/2"	\$1,420.53
1-1/4" - 1-1/2"	2"	\$1,787.14
2"	2-1/2"	\$1,961.73

-SR SPRING RETURN HANDLE

FULL PORT	STANDARD PORT	KIT NUMBER	PRICE EA.
1/4" - 1/2"	3/4"	78206100	\$223.50
3/4"	1"	78206200	\$228.58
1"	1-1/2"	78206300	\$327.88

-EF FUGITIVE EMISSIONS COMPLIANT GRAPHITE PACKING

FULL PORT	STANDARD PORT	PRICE EA.
1/2"-3/4"	3/4"-1"	\$68.34
1"-1-1/2"	1-1/2"-2"	\$122.02
2"	2-1/2"	\$169.29



ball valves price list

83A, 84A, 85A, 86A SERIES REPLACEMENT SEAL KITS

FULL PORT	STANDARD PORT	KIT NUMBER	PRICE EA.
1/4" - 1/2"	3/4"	83A00301	\$64.51
3/4"	1"	83A00401	\$71.94
1"	1-1/2"	83A00501	\$74.68
1-1/4"		83A00701	\$130.72
1-1/2"	2"	83A00701	\$130.72
2"	2-1/2"	83A00801	\$186.84

83B, 84B, 85B, 86B SERIES REPLACEMENT SEAL KITS

FULL PORT	STANDARD PORT	KIT NUMBER	PRICE EA.
1/4" - 1/2"	3/4"	83B00301	\$142.48
3/4"	1"	83B00401	\$149.62
1"	1-1/2"	83B00501	\$169.21
1-1/4"		83B00701	\$187.67
1-1/2"	2"	83B00701	\$187.67
2"	2-1/2"	83B00801	\$255.54



ball valves price list

FLANGED VALVE

ADDERS

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

STANDARD PORT	FULL PORT	ADDER
1-1/2" - 2"	-	\$76.80
	1/2" - 3/4"	\$122.23
1-1/2" - 3"	1" - 2-1/2"	\$174.59

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

SIZE (IN.)	ADDER
1/2" - 1"	\$10.91
1-1/2" - 2-1/2"	\$16.30

-14 VENTED BALL (UNIDIRECTIONAL)

SIZE (IN.)	ADDER
thru 1-1/2"	\$8.69
2"	\$11.62
3", 4", 6" Valves	\$96.28
8", 10", 12" Valves	\$154.00

-15 ROUND HANDLE FOR FLANGED VALVES

	SIZE (IN.)	ADDER
Standard Port	1-1/2"	\$118.41
	2" - 2-1/2"	\$193.90
Full Port	1/2" - 1"	\$124.04
	1-1/2" - 2-1/2"	\$193.90

-21 UHMWPE SEATS & GRAPHITE STEM PACKING

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

STANDARD	FULL PORT	ADDER
1/2" - 1"	-	\$34.88
1-1/2" - 2-1/2"	1"	\$59.33
3"	1-1/2" - 2-1/2"	\$60.25
4"	-	\$171.13
6"	-	\$240.93
-	3"	\$202.51
-	4"	\$321.24
8"	6"	\$645.96
10"	8"	\$1,606.16
-	10"	\$2,409.30
-	12"	\$3,736.15

-24 GRAPHITE STEM PACKING FLANGED

SIZE (IN.)	ADDER
1/2" - 1"	\$11.62
1-1/2" - 2-1/2"	\$23.17
3" - 4"	\$34.88
6" - 12"	\$69.84

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

SIZE (IN.)	ADDER
1/2" - 1"	\$1.43
1-1/2" - 2"	\$2.75
2-1/2" - 4"	\$4.28
6"	\$67.80
8" & up	\$169.50

-38 PEEK SEATS, GRAPHITE STEM PACKING & GASKETS

87A | 88A

STANDARD PORT	FULL PORT	LIST ADDER
--	1/2"	\$772.57
--	3/4"	\$808.45
1-1/2"	1"	\$876.84
2"	1-1/2"	\$1,545.06
2-1/2"	2"	\$1,623.34
3"	2-1/2"	\$2,402.37
4"	3"	\$3,148.84
6"	4"	\$4,837.28

-49 ASSEMBLED DRY

SIZE (IN.)	ADDER
1/2" - 2"	\$17.67
2-1/2" - 6"	\$52.86

-57 CLEANED FOR OXYGEN SERVICE STAINLESS STEEL ONLY

SIZE (IN.)	ADDER
1/4" - 1"	\$137.46
1-1/4" - 1-1/2"	\$174.02
2"	\$260.29
2 1/2" - 3"	\$356.81
4"	\$662.43
6"	\$868.62
8"	\$1,133.30
10"-12"	\$1,699.95

-59 STAINLESS STEEL BOLTING (88A)

SIZE (IN.)	STANDARD PORT	FULL PORT
1/2" - 2"	NA	\$50.34
2-1/2" - 3"	66.12	\$83.90
4"	66.12	\$117.51
6"	92.53	\$151.08
8"	118.98	\$503.61
10"	396.60	\$671.50
12"	NA	\$839.34

-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"	--	\$17.33
3/4"	--	\$17.33
1"	1-1/2"	\$28.09
1-1/2"	2"	\$28.09
2"	2-1/2"	\$32.70
2-1/2"	3"	\$32.70
3"	4"	\$54.10
4"	6"	\$82.14
6"	8"	\$287.56
8"	10"	\$1,170.28
10"	--	\$2,272.52
12"	--	\$2,507.21

-67 CLEANED FOR INDUSTRIAL GASES

SIZE (IN.)	ADDER
1/2" - 2"	\$19.53
2-1/2" - 6"	\$56.44
8", 10", 12"	\$178.85

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

SIZE (IN.)	ADDER
1/2" - 1"	\$235.00
1-1/2"	\$268.61
2"	\$285.33
2-1/2"	\$335.71
3"	\$352.50
4"	\$369.31
6"	\$503.62
8"	\$772.19
10"	\$1,477.22
12"	POA

Not all options listed are available without a minimum order requirement or special processing set up considerations. Please contact the factory for additional information



ball valves price list

FLANGED VALVE

ADDERS

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

	STANDARD PORT	ADDER
1-1/2"	78208701	\$843.51
2"	78208901	\$1,030.93
2-1/2" - 3"	78209101	\$1,101.22
4" - 6"	78195201	\$1,383.48
8" - 10"	78195401	\$3,003.97

87A/88A-200/900

	FULL PORT	ADDER
1/2"	78193801	\$803.34
3/4"	78194201	\$803.34
1"	78208701	\$843.51
1-1/2"	78208901	\$1,030.93
2" & 2-1/2"	78209101	\$1,101.22
3" & 4"	78195201	\$1,383.48
6" & 8"	78195401	\$3,003.97

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

	STANDARD PORT	ADDER
1-1/2" - 2"		\$218.25
2-1/2" - 3"		\$239.90
4" - 6"		\$367.62
8" - 10"		\$503.44
12"		NA

87A/88A-200/900

	FULL PORT	ADDER
1-1/2" - 1"		\$119.67
1-1/4" - 1-1/2"		\$218.25
2" - 2-1/2"		\$239.90
3" - 4"		\$367.62
6" - 8"		\$503.44
10" - 12"		\$645.47

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

	STANDARD PORT	ADDER
1-1/2" - 2"		\$29.68
2-1/2" - 3"		\$32.63
4" - 6"		\$49.96
8" - 10"		\$113.22
12"		NA

87A/88A-200/900

	FULL PORT	ADDER
1/2" - 1"		\$17.04
1-1/4" - 1-1/2"		\$29.68
2" - 2-1/2"		\$32.63
3" - 4"		\$49.96
6" - 8"		\$113.22
10" - 12"		\$154.04

-73 SPIRAL WOUND GASKETS 316SS W/ PTFE FILLER

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

STANDARD PORT	ADDER
1"	\$28.89
1-1/2"	\$28.89
2"	\$28.89
2-1/2"	\$28.89
3"	\$28.89
4"	\$43.25
6"	\$57.72
8"	\$101.08
10"	\$144.33

87A/88A-200/900

	ADDER
1"	\$33.55
1-1/2"	\$33.55
2"	\$33.55
2-1/2"	\$33.55
3"	\$50.35
4"	\$67.15
6"	\$117.51
8"	\$167.88
10"	\$302.18
12"	\$335.72

-80 MULTISEAL SEATS

87A/87B | 88A/88B

STANDARD PORT	FULL PORT	ADDER
1-1/2" - 2-1/2"	1/2" - 2"	\$16.80
3"	2-1/2"	\$33.55
4"	3"	\$33.55
6"	4"	\$33.55
8"	6"	\$520.41
10"	8"	\$671.52
	10"	\$915.30
	12"	\$1,082.59

-74

STANDARD PORT	ADDER
1"	\$30.62
1-1/2"	\$31.69
2"	\$31.69
2-1/2"	\$31.69
3"	\$31.69
4"	\$47.47
6"	\$63.34

FULL PORT	ADDER
1"	\$33.55
1-1/2"	\$33.55
2"	\$33.55
2-1/2"	\$33.55
3"	\$50.35
4"	\$67.15
6" - 12"	See -24

-76

STANDARD PORT	ADDER
1-1/2" - 2"	\$218.25
2-1/2" - 3"	\$239.90
4" - 6"	\$367.62
8" - 10"	\$503.44
12"	NA

FULL PORT	ADDER
1-1/2" - 1"	\$119.67
1-1/4" - 1-1/2"	\$218.25
2" - 2-1/2"	\$239.90
3" - 4"	\$367.62
6" - 8"	\$503.44
10" - 12"	\$645.47

Not all options listed are available without a minimum order requirement or special processing set up considerations. Please contact the factory for additional information



ball valves price list

FLANGED VALVE

ADDERS

-82 FLAT FACE FLANGES

87A | 88A

STANDARD PORT	ADDER	FULL PORT	ADDER
-	-	1/2"	\$123.37
-	-	3/4"	\$123.37
-	-	1"	\$164.49
1-1/2"	\$164.49	1-1/2"	\$164.49
2"	\$246.63	2"	\$246.63
2-1/2"	\$246.63	2-1/2"	\$246.63
3"	\$493.41	3"	\$493.41
4"	\$493.41	4"	\$493.41
6"	\$741.89	6"	\$980.33
8"	\$986.75	8"	\$1,315.63
10"	\$1,495.05	10"	\$1,644.56
-	-	12"	\$1,973.47

-90 EXTENDED BONNET W/ DOUBLE PACKING

87A/88A-100/700

	STANDARD PORT	ADDER
1-1/2"	78209401	\$1,750.58
2"	78209601	\$2,247.32
2-1/2" - 3"	78209801	\$2,242.35
4" - 6"	78196601	\$2,471.03
8" - 10"	78196801	\$5,322.22

87A/88A-200/900

	FULL PORT	ADDER
1/2"	78195601	\$1,406.56
3/4"	78195801	\$1,406.56
1"	78209401	\$1,750.58
1-1/2"	78209601	\$2,247.32
2" - 2-1/2"	78209801	\$2,242.35
3" - 4"	78196601	\$2,471.03
6" - 8"	78196801	\$5,322.22

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

87A/88A-100/700

	ADDER
1-1/2"	\$1,352.94
2"	\$1,701.40
2-1/2" & 3"	\$1,867.39
4" & 6"	\$2,282.24
8" & 10"	\$4,771.33

87A/88A-200/900

	ADDER
1/2"	\$1,352.94
3/4"	\$1,352.94
1"	\$1,352.94
1-1/2"	\$1,701.40
2" & 2-1/2"	\$1,867.39
3" & 4"	\$2,282.24
6" & 8"	\$4,771.33

-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"	\$66.34
2"	1-1/2"	\$118.46
2-1/2" - 3"	2" - 2-1/2"	\$164.37
4" - 6"	3" - 4"	\$306.54
8" - 10"	6" - 8"	\$612.92
-	10" - 12"	\$1,036.69

-MG W/ STANDARD HANDWHEEL

150/300 CLASS

SIZE (IN.)	STD PORT	FULL PORT
1.5, 2, 2.5	\$1,018.03	\$1,018.03
3	\$1,187.73	\$1,187.48
4	\$1,221.68	\$1,560.98
6	\$1,560.98	\$2,171.83
8	\$2,171.83	\$2,341.53
10	\$2,341.53	\$4,547.32
12		\$4,547.32

-MH W/ STANDARD HANDWHEEL & LOCKING DEVICE

150/300 CLASS

SIZE (IN.)	STD PORT	FULL PORT
1.5, 2, 2.5	\$1,245.96	\$1,572.57
3	\$1,459.18	\$1,841.68
4	\$1,493.11	\$2,312.87
6	\$1,832.50	\$3,126.62
8	\$2,476.50	\$3,490.73
10	\$2,629.92	\$6,103.33
12		\$6,103.33

-MJ W/ STANDARD HANDWHEEL

150/300 CLASS

	STD PORT	FULL PORT
1.5, 2, 2.5	\$988.37	\$988.37
3	\$1,152.90	\$1,152.90
4	\$1,186.09	\$1,515.52
6	\$1,515.52	\$2,108.57
8	\$2,108.57	\$2,273.33
10	\$2,273.33	\$4,414.88
12		\$4,414.88

-MK W/ STANDARD HANDWHEEL & LOCKING DEVICE

150/300 CLASS

	STD PORT	FULL PORT
1.5, 2, 2.5	\$1,209.67	\$1,209.67
3	\$1,416.67	\$1,416.67
4	\$1,449.61	\$1,779.14
6	\$1,779.14	\$2,404.38
8	\$2,404.38	\$2,553.33
10	\$2,553.33	\$4,694.14
12		\$4,694.87

Not all options listed are available without a minimum order requirement or special processing set up considerations. Please contact the factory for additional information



ball valves price list

FLANGED VALVE

SEAL KITS

-01 VALVES ONLY

87A/B | 88A/B

STANDARD PORT	FULL PORT	KIT NUMBER	LIST PRICE
-	1"	87A02501	\$62.98
1-1/2	-	87A01701	\$50.37
-	1-1/2"	87A02701	\$71.35
2	-	87A01801	\$75.48
2-1/2	2"	87A02801	\$127.70
3	2-1/2"	87A02901	\$159.46
4	3"	87A02001	\$251.75
6"	4"	87A02A01	\$335.74
8"	6"	87A02C01	\$755.37
10"	8"	87A02E01	\$1,278.46
-	10"	87A02G01	\$4,699.97
-	12"	87A02H01	\$4,951.75



ball valves price list

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"	\$8.69
1-1/2"	\$8.69
2"	\$11.62
2-1/2"	\$96.27
3"	\$96.27
4"	\$96.27
6"	\$96.27
8"	\$154.00

-21 UHMWPE SEATS

GRAPHITE PACKING, SPIRAL WOUND GRAPHITE BODY SEAL, PEEK BEARING

SIZE (IN.)	ADDER
1"	\$19.53
1-1/2"	\$29.31
2"	\$39.07
2-1/2"	\$48.84
3"	\$58.60
4"	\$78.13
6"	\$117.20
8"	\$156.26

-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"	\$11.62
1-1/2"	\$23.15
2"	\$23.15
2-1/2"	\$23.15
3"	\$34.88
4"	\$34.88
6"	\$69.85
8"	\$69.85

-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"	\$903.15
1-1/2"	\$1,591.41
2"	\$1,672.04
2-1/2"	\$2,474.42
3"	\$3,243.30
4"	\$4,982.38
6"	\$7,867.06
8"	\$11,412.49

-45 LESS LEVER & NUT

BARE STEM

SIZE (IN.)	ADDER
1"	POA
1-1/2"	POA
2"	POA
2.5"	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
1/4" - 1"	\$141.58
1-1/4" - 1-1/2"	\$179.24
2"	\$268.10
2 1/2" - 3"	\$367.51
4"	\$682.31
6"	\$894.68
8"	\$1,167.30
10"-12"	\$1,750.95

-67 CLEANED FOR INDUSTRIAL GAS

87A-F0x / 88A-F4x ONLY

SIZE (IN.)	ADDER
1"	\$153.14
1-1/2"	\$193.86
2"	\$289.98
2-1/2"	\$397.50
3"	\$737.98
4"	\$967.68
6"	\$1,262.55
8"	\$1,893.83

-69 DRILLED & TAPPED PURGE PORT W/ PLUGS

SIZE (IN.)	ADDER
1"	\$242.04
1-1/2"	\$276.66
2"	\$293.89
2-1/2"	\$345.79
3"	\$363.07
4"	\$380.40
6"	\$518.72
8"	\$795.36

-70 4" EXTENDED BONNET

SIZE (IN.)	ADDER
1"	\$684.70
1-1/2"	\$836.86
2"	\$893.91
2-1/2"	\$1,179.18
3"	\$2,560.32
4"	POA
6"	POA
8"	POA

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ball valves price list

CLASS 600 FLANGED VALVES

ADDERS

-76 LIVE LOADED (LEVER OPERATED)

SIZE (IN.)	ADDER
1"	\$123.26
1-1/2"	\$224.79
2"	\$247.10
2-1/2"	\$247.10
3"	\$378.66
4"	\$378.66
6"	\$518.55
8"	\$518.55

-77 LIVE LOADED (GEAR OPERATOR/ACTUATOR)

SIZE (IN.)	ADDER
1"	\$17.56
1-1/2"	\$30.57
2"	\$33.61
2-1/2"	\$33.61
3"	\$51.46
4"	\$51.46
6"	\$116.62
8"	\$111.06

-80 MULTISEAL SEATS

PTFE CHEVRON PACKING, SPIRAL WOUND PTFE BODY SEAL, PEEK BEARING

STANDARD PORT	FULL PORT	ADDER
1-1/2" - 2-1/2"	1/2" - 2"	\$16.80
3"	2-1/2"	\$33.55
4"	3"	\$33.55
6"	4"	\$33.55
8"	6"	\$520.41
10"	8"	\$671.52
	10"	\$915.30
	12"	\$1,082.59

-82 FLAT FACE FLANGES

SIZE (IN.)	ADDER
1"	\$164.49
1-1/2"	\$164.49
2"	\$246.63
2-1/2"	\$246.63
3"	\$493.41
4"	\$493.41
6"	\$980.33
8"	\$1,315.63

-90 DOUBLE PACKED 4" EXT. BONNET

SIZE (IN.)	ADDER
1"	\$1,227.93
1-1/2"	\$1,576.39
2"	\$1,742.39
2-1/2"	\$1,742.39
3"	\$2,157.23
4"	\$2,157.23
6"	\$4,646.32
8"	\$4,646.32

-95 DEVLON SEATS

GRAPHITE PACKING, SPIRAL WOUND GRAPHITE BODY SEAL, PEEK BEARING

SIZE (IN.)	ADDER
1"	\$40.60
1-1/2"	\$69.62
2"	\$110.31
2-1/2"	\$157.63
3"	\$211.03
4"	\$334.38
6"	\$639.72
8"	\$1,013.65

-EF GRAPHITE, LOW FUGITIVE EMISSIONS SYSTEM

87A-FXX | 88A-FXX

FULL PORT	ADDER
1"	\$86.07
1-1/2"	\$115.34
2"	\$222.44
2-1/2"	\$222.44
3"	\$251.55
4"	\$251.55
6"	\$502.96
8"	\$850.72

-MG GEAR OPERATOR

WITH STANDARD HANDWHEEL

SIZE (IN.)	ADDER
1"	\$779.99
1-1/2"	\$798.79
2"	\$1,080.71
2-1/2"	\$1,099.51
3"	\$1,118.30
4"	\$1,672.75
6"	\$1,691.55
8"	\$2,725.27

-MP POSITIVE MATERIAL I.D.

SIZE (IN.)	ADDER
1"	\$115.33
1-1/2"	\$115.33
2"	\$115.33
2-1/2"	\$115.33
3"	\$115.33
4"	\$115.33
6"	\$115.33
8"	\$115.33

-TC HYDROSTATIC TEST WITH CERTIFIED REPORT

SIZE (IN.)	ADDER
1"	\$62.02
1-1/2"	\$62.02
2"	\$62.02
2-1/2"	\$62.02
3"	\$62.02
4"	\$62.02
6"	\$62.02
8"	\$62.02

-TD API 6D TEST HYDROSTATIC TESTING

SIZE (IN.)	ADDER
1"	\$77.17
1-1/2"	\$77.17
2"	\$77.17
2-1/2"	\$77.17
3"	\$77.17
4"	\$77.17
6"	\$192.95
8"	\$192.95

-TR HYDROSTATIC TEST WITH CERTIFIED REPORT & MTR

SIZE (IN.)	ADDER
1"	\$77.06
1-1/2"	\$77.06
2"	\$77.06
2-1/2"	\$77.06
3"	\$77.06
4"	\$77.06
6"	\$77.06
8"	\$77.06

-TW HYDROSTATIC TEST WITH CERTIFIED REPORT & WITNESSED

SIZE (IN.)	ADDER
1"	\$103.37
1-1/2"	\$103.37
2"	\$103.37
2-1/2"	\$103.37
3"	\$103.37
4"	\$103.37
6"	\$103.37
8"	\$103.37

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ball valves price list

CLASS 600 FLANGED VALVES

SEAL KITS
87A-F | 88A-F

SIZE (IN.)	KIT NUMBER	
1"	87AOF580	\$79.00
1"	87AOF52480	\$79.00
1"	87AOF521	\$111.60
1"	87AOF595	\$409.71
1"	87AOF538	\$629.10
1-1/2"	87AOF780	\$118.82
1-1/2"	87AOF72480	\$118.82
1-1/2"	87AOF721	\$118.82
1-1/2"	87AOF795	\$485.53
1-1/2"	87AOF738	\$652.92
2"	87AOF880	\$191.64
2"	87AOF82480	\$191.64
2"	87AOF821	\$272.57
2"	87AOF895	\$485.53
2"	87AOF838	\$813.92
2-1/2"	87AOF980	\$204.43
2-1/2"	87AOF92480	\$204.43
2-1/2"	87AOF921	\$277.06
2-1/2"	87AOF995	\$655.02
2-1/2"	87AOF938	\$1,858.41
3"	87AOF080	\$217.21
3"	87AOF02480	\$217.21
3"	87AOF021	\$294.93
3"	87AOF095	\$655.02
3"	87AOF038	\$2,044.73
4"	87AOFA80	\$769.84
4"	87AOFA2480	\$769.84
4"	87AOFA21	\$822.63
4"	87AOFA95	\$1,266.01
4"	87AOFA38	\$2,920.84
6"	87AOF C80	\$2,358.84
6"	87AOF C2480	\$2,358.84
6"	87AOF C21	\$2,439.77
6"	87AOF C95	\$3,526.89
6"	87AOF C38	\$4,809.92
8"	87AOF E80	\$3,127.16
8"	87AOF E2480	\$3,127.16
8"	87AOF E21	\$3,127.16
8"	87AOF E95	\$4,208.32
8"	87AOF E38	\$12,369.20

- EF GRAPHITE, LOW FUGITIVE EMISSIONS SYSTEM

FULL PORT	ADDER
1"	\$108.03
1-1/2"	\$144.77
2"	\$279.20
2-1/2"	\$279.20
3"	\$315.74
4"	\$315.74
6"	\$631.30
8"	\$1,067.79



ball valves

steel option adders

APOLLO PACKING WRENCH

PART NO.	DESCRIPTION	PRICE
H371400	Domestic Valves	\$19.66
H380700	Apollo International™ Valves	\$33.66

-02 GROUNDED STEM

Stem Grounded Only	\$1.69
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-04 2-1/4" CS EXTENDED STEM

72-A, 73A, 76, 89, 92, 96	76F	ADDER	ADDER
1/4" - 1/2"	1/4" - 3/8"	\$17.01	\$17.01
3/4" - 1"	1/2"-3/4"	\$18.58	\$18.58
1-1/4" - 2"	1"-1-1/4"	\$22.70	\$22.70
2-1/2"-3"	1-1/2"-2"	\$29.88	\$29.88

-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 \$4.26 TO LIST

-10 STAINLESS STEEL LEVER & NUT

73A	72A	ADDER
1/4" - 1/2"	—	\$4.93
3/4" - 1"	1/4" - 3/4"	\$8.12
1-1/4" - 2"	1"-1-1/2"	\$10.33
2 1/2" - 3"	—	\$14.57
4"	2"	\$23.12

72 (BAR STOCK), 73-3, 73-4	93-100	ADDER
—	1/2" - 3/4"	\$5.80
1/2" - 3/4"	1" - 1-1/4"	\$6.92
1"	1 1/2"	\$11.36
1-1/4" - 1-1/2"	2"	\$17.05

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

SIZE (IN.)	ADDER
1-1/2" or smaller	\$3.14
2"	\$15.39
2-1/2"	\$90.03
3" - 4"	\$127.37

-15 STEEL ROUND HANDLE

73A, 76, 85, 89	91, 92, 96	KIT NUMBER	ADDER
1/4" - 1/2"	1/4" - 3/4"	H254800	\$16.30
3/4" - 1"	1" - 1-1/4"	H254900	\$17.72
1-1/4" - 2"	1-1/2" - 2"	H260500	\$32.67

73-300	93-100	KIT NUMBER	ADDER
—	1/2" - 3/4"	H256700	\$19.06
1/2" - 3/4"	1" - 1-1/4"	H256800	\$23.41
1"	1-1/2"	H260600	\$32.67

-16 VERTICAL CHAIN LEVER

CHAIN NOT INCLUDED

-18 PLAIN GRIP

NO ADDITIONAL CHARGE

-19 LOCK PLATE

72 (BAR STOCK)	CONVERSION KITS	ADDER
1/2" - 3/4"	7849901	\$53.14
1"	7850001	\$54.18
1-1/4" - 1-1/2"	7848001	\$53.40
2"	7850201	\$61.02
93-100 SERIES	CONVERSION KITS	ADDER
3/4"	7847701	\$44.82
1" - 1-1/4"	7847801	\$44.82
1" - 1/2"	7847901	\$44.82
2"	7848001	\$53.40
76-100 SERIES & 89-100 SERIES	CONVERSION KITS	ADDER
1/4" - 1/2"	7842601	\$48.98
3/4" - 1"	7842701	\$52.46
1-1/4" - 2"	7842801	\$66.17

STANDARD VALVES ADDERS

-21 UHMWPE SEATS / GRAPHITE STEM PACKING

72, 72-A, 73A, 76	ADDER
1/4" - 1"	\$44.42
1-1/4" - 3"	\$75.56

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

SIZE (IN.)	ADDER
1/4" - 1"	\$5.13
1-1/4" - 3"	\$10.39

-30 CAM LOCK HANDLE & GROUND STEM

73A, 76, 89	7K	9A, 91, 92, 96	ADDER
1/4" - 1/2"	1/4" - 1/2"	1/2" - 3/4"	\$57.30
3/4" - 1"	3/4"	1" - 1-1/4"	\$68.28
1-1/4" - 2"	1" - 2"	1-1/2" - 2"	\$79.25

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ball valves

steel option adders

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

SIZE	ADDER
1/4" - 1/2"	\$9.78
3/4" - 1"	\$10.84
1 1/4" - 2"	\$19.09

-35 VIRGIN TFE (PTFE) TRIM

SIZE	ADDER
1/4" - 1"	\$1.84
1 1/4" - 2"	\$3.52
2 1/2" - 4"	\$5.56

-39 SS HI-RISE, LOCKING ROUND HANDLE

73A, 74, 76, 89	76F	9A, 92, 96	ADDER
1/4" - 1/2"	1/2" - 3/4"	1/2" - 3/4"	\$37.41
3/4" - 1"	1"	1" - 1 1/4"	\$37.41
1 1/4" - 2"	1 1/4" - 2"	1 1/2"	\$58.18

-40 CYL-LOCK HANDLE & GROUND STEM

73A, 76, 89	7K	9A, 91, 92, 96	ADDER
1/4" - 1/2"	1/4" - 1/2"	3/4"	\$138.73
3/4" - 1"	3/4"	1" - 1 1/4"	\$155.05
1 1/4" - 2"	1" - 1 1/4"	1 1/2" - 2"	\$183.55

-42 UNVENTED BALL (CARBON, SS, ALLOY 20)

SIZE	ADDER
1/4" - 1"	\$26.73
1 1/2" - 2"	\$30.09
2 1/2" and larger	\$36.76

-44 SEAL WELDED

SERIES 76, 89, 72, 73A, 76F	PRICE EA.
1/4" to 1"	\$26.74
1 1/2" to 2"	\$30.08
2 1/2" and larger	\$36.77

-45 LESS LEVER & NUT

NO ADDITIONAL CHARGE

-46 SS LATCH LOCK LEVER - LOCK IN CLOSED POSITION

73A, 76, 89	7K	92-100, 96-100	KIT NUMBER
1/4" - 1/2"	1/4" - 1/2"	1/2" - 3/4"	W836800
3/4" - 1"	3/4"	1", 1 1/4"	W837000
1 1/4" - 2"	1" - 1 1/4"	1 1/2", 2"	W837200

-47 LATCH LOCK OVAL HANDLE - SS NUT

73A, 76, 89	7K	92-100, 96-100	KIT NUMBER
1/4" - 1/2"	1/4" - 1/2"	1/2" - 3/4"	W836800
3/4" - 1"	3/4"	1", 1 1/4"	W837000
1 1/4" - 2"	1" - 1 1/4"	1 1/2", 2"	W837200

-48 SS OVAL HANDLE - NO LATCH - SS NUT

73A, 76, 89	7K	9A, 92, 96	HANDLE
1/4" - 1/2"	1/4" - 1/2"	1/4" - 3/4"	H303100
3/4", 1"	3/4"	1", 1 1/4"	H303200
1 1/4" - 2"	1" - 2"	1 1/2", 2"	H303300

-49 ASSEMBLED DRY THREAD/SWEAT - NO ADDITIONAL CHARGE

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

73A, 76, 89	92, 96	KIT NUMBER	ADDER
1/4" - 1/2"	3/4"	7800101	\$64.39
3/4", 1"	1", 1 1/4"	7800201	\$64.39
1 1/4"	1 1/2", 2"	7800301	\$96.58
1 1/2", 2"	-	7800401	\$96.58
2 1/2", 3"	-	7800501	\$96.58

STANDARD VALVES

ADDERS ALLOY 20

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

SIZE (IN.)	ONE WELD (-51)	TWO WELDS (-52)	THREE WELDS (-53)
1/4" - 1 1/4"	\$8.27	\$15.64	\$19.53
1 1/2", 2"	\$8.27	\$19.53	\$21.36
2 1/2", 3"	\$8.27	\$23.42	\$25.38

-56 MULTIFILL (MTFE) SEATS

SIZE (IN.)	ADDER
1/4" - 1"	\$4.91
1 1/4" - 2"	\$8.00
2 1/2" - 3"	\$40.73

-57 OXYGEN CLEANED & BAGGED STAINLESS STEEL ONLY

SIZE (IN.)	ADDER
1/4" - 1"	\$141.58
1 1/4" - 1 1/2"	\$179.24
2"	\$268.10

-58 HORIZONTAL CHAIN LEVER CHAIN NOT INCLUDED

SIZE (IN.)	KIT NUMBER	ADDER
3/4" - 1"	7840701	\$19.22
1 1/4" - 2"	7840801	\$27.34

-60 GROUNDED BALL & STEM THREAD/SWEAT - CARBON MUST HAVE SS BALL/STEM

SIZE (IN.)	ADDER
1/4" - 3"	\$14.77

-62 CENTER SECTION FOR 3 PIECE & DOUBLE UNION

CONTACT CUSTOMER SERVICE

-63 NPT X SOLDER/SOCKET WELD

CONTACT CUSTOMER SERVICE - NO ADDITIONAL CHARGE

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ball valves steel option adders

-64 250 LB. STEAM TRIM MUST HAVE STAINLESS STEEL BALL/STEM

72-940°, 73A-140, 89-140, 76-100	ADDER
1/4" - 3/8"	\$21.76
1/2"	\$21.81
3/4"	\$21.81
1"	\$21.81
1-1/4"	\$38.09
1-1/2"	\$38.09
2"	\$38.09
2-1/2"	\$43.47
3"	\$43.47

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

-67 CLEANED & BAGGED FOR INDUSTRIAL GASES

SIZE (IN.)	ADDER
1/4" - 2"	\$23.98
2-1/2" - 3"	\$71.60

-78 DELRIN/ACETAL SEATS

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

SIZE (IN.)	ADDER
1/2" - 1"	\$250.88
1-1/4" - 2"	\$293.95

-79 NYLON/POLYAMIDE SEATS

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

SIZE (IN.)	ADDER
1/2" - 1"	\$250.88
1-1/4" - 2"	\$293.95

-GS CSA CGA 3.16

76, 76F, 89	ADDER
All Sizes	No Charge

73A, 74, 76, 89 & 399 SERIES (EXCEPT 3-WAY)

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 3/8"	7000201	\$10.84
1/2"	7000301	\$10.84
3/4"	7000401	\$18.70
1"	7000501	\$26.96
1-1/4"	7000601	\$42.86
1-1/2"	7000701	\$54.42
2"	7000801	\$77.53
2-1/2", 3"	7000901	\$113.25
4"	7000A01	\$173.19

76-600

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

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7303301	\$12.03
3/4"	7303401	\$17.17
1"	7303501	\$27.22
1-1/4"	7303601	\$35.25
1-1/2"	7303701	\$49.32

72 SERIES (BAR STOCK DESIGNS)

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7200301	\$12.03
3/4"	7200401	\$17.17
1"	7200501	\$27.22
1-1/4"	7200601	\$35.25
1-1/2"	7200701	\$49.32
2"	7200801	\$63.90

72-A SERIES (FORGED BODY DESIGNS)

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	7200301A	\$12.03
3/4"	7200401A	\$17.17
1"	7200501A	\$27.22
1-1/4"	7200601A	\$35.25
1-1/2"	7200701A	\$49.32
2"	7200801A	\$63.90

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	\$12.14
1/2"	8200301	\$18.28
3/4"	8200401	\$25.95
1"	8200501	\$41.21
1-1/4"	8200601	\$53.34
1-1/2"	8200701	\$74.49
2"	8200801	\$97.02
2-1/2"	8200901	\$100.48
3"	82A00001	\$107.67
	8600001	\$87.01
4"	82A00A01	\$216.28

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

SIZE (IN.)	KIT NUMBER	PRICE EA.
3"	83R00001	\$303.04

92, 93, 9A & 96 SERIES

SIZE (IN.)	KIT NUMBER	PRICE EA.
1/4" - 1/2"	9000301	\$11.53
3/4"	9000401	\$17.39
1"	9000501	\$24.70
1-1/4"	9000601	\$39.27
1-1/2"	9000701	\$50.79
2"	9000801	\$70.98

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

BRITISH STANDARD PIPE THREAD OPTION

SPECIFY REQUIRED THREAD FORM	LIST ADDER	LIST ADDER
	Two-Piece Ball Valves	Three-Piece and Top Entry Ball Valves
'-P01 suffix = BSPP Parallel Thread	\$40.82	\$75.55
'-T01 suffix = BSPT Taper Thread		

- ORDERS LIMITED TO AVAILABLE STOCK ON HAND, OR 50 PIECE MINIMUM PER LINE ITEM FOR NEW PRODUCTION
- EXCEPTION TO THE 50 PIECE MINIMUM ORDER QUANTITY WOULD BE IF THE TOTAL ORDER IS \$50,000 NET OR GREATER, REGARDLESS OF PRODUCT MIX.
- BSP OPTION ORDERS ARE CONSIDERED SPECIAL ORDER: NON-CANCEL-LABLE & NON-RETURNABLE

Not all options listed are available without a minimum order requirement or special processing set up considerations. Please contact the factory for additional information



ball valves price list

ADDITIONAL SERVICES

TAGGING	ADDER	
Paper Tags	\$2.47	NET each
Soft Aluminum Tags	\$4.95	NET each
Stainless Steel Tags	\$7.33	NET each
Customer Supplied Tags	\$2.47	NET each

DOCUMENTATION	
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) ¹	\$43.80	NET per line item
	Apollo 3-Piece Valves (cast body & cast end caps only) ¹	\$43.80	NET per line item

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

¹Contact 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) ²	\$104.49 LIST each

NOTE: Not available for Carbon Steels

² 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 *	\$30.90 LIST each*
TC Test - Hydrostatic w/Certified Report	\$63.74 LIST each
TR Test - Hydrostatic w/Certified Report and MTR	\$79.17 LIST each
TW Test - Hydrostatic w/Certified Report & Witnessed	\$106.21 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)	\$69.93 LIST each	6 minute test
6", 8", 10" (DN150 - DN250)	\$174.84 LIST each	15 minute test
12" (DN300)	\$291.40 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)	\$44.07 LIST each
	Marked UL compliant	83B & 86B Series (Handle with special graphics)	

Testing to ASTM 262 Standard A	POA
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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.



ball valves

terms & conditions

AIPSA's SALE OF GOODS AND/OR ACCEPTANCE OF BUYER'S PURCHASE ORDER IS EXPRESSLY CONDITIONED ON THE FOLLOWING:

SCOPE AND ENTIRE AGREEMENT: THESE TERMS AND CONDITIONS OF SALE ("TERMS AND CONDITIONS") APPLY TO THE PURCHASE OF GOODS BY BUYER (TOGETHER WITH ITS SUCCESSORS, HEIRS, AFFILIATES, subsidiaries, and permitted assigns collectively, "Buyer") from Aalberts integrated piping systems Americas, Inc. ("Seller" or "AIPSA"). In the event a written agreement for the supply of goods is executed by authorized representatives of both Buyer and Seller ("Supply Agreement"), such Supply Agreement shall supersede these Terms and Conditions to the extent of any conflict. Except as otherwise agreed to in a Supply Agreement, these Terms and Conditions, as well as the terms and conditions printed on the face of Seller's order acknowledgement and invoice, constitute the sole and entire agreement between Buyer and Seller with respect to the subject matter hereof ("Agreement") and supersede all prior oral and written agreements and understandings, whether express or implied, including those implied by law, through usage of trade, course of performance, or course of dealing. By placing an order or otherwise requesting purchase from Seller, Buyer shall be deemed to have agreed to these Terms and Conditions. Any term or condition included by Buyer which is inconsistent with, or in addition to, this Agreement is expressly rejected. Any attempted modification of this Agreement by Buyer, and any additional or different terms included in Buyer's purchase order, other document submitted by Buyer to Seller, or Buyer's internet site, shall be deemed a material alteration and not a rejection of these Terms and Conditions or Agreement and are hereby rejected by Seller, even if such purchase order or other document is accepted by Seller. This Agreement shall govern, control, and apply to all goods ordered by Buyer from Seller via purchase orders, delivery tickets, invoices or electronic commercial transactions between Buyer and Seller.

ORDER ACCEPTANCE: All orders for goods are subject to acceptance by Seller. Seller may withdraw goods from sale at any time without notice to Buyer. Orders that do not conform to Seller's then-current volume or pricing policies shall be considered rejected without further notice to Buyer required. In the event of shortage of the goods, Seller may allocate available goods among customers as and how Seller sees fit.

MINIMUM ORDER QUANTITY: Seller, at its sole election, may establish reasonable minimum order quantities for goods with non-standard requirements for production such as special materials, special machine set ups, etc. Buyer will be notified at the time of quotation or when a Buyer submits a purchase order if the goods are subject to a minimum order quantity. If a submitted purchase order does not meet any established minimum order quantity, Seller expressly rejects the purchase order.

PRICES AND PAYMENT TERMS:

Prices for the goods shall be the prices stated in Seller's price list in effect at the time of shipment, which prices may take into account increase in, inter alia, raw material costs that may occur during the between the acceptance of a Buyer's order and shipment, unless otherwise agreed to in writing by Seller (e.g., as in Seller's order acknowledgement). Certain cuts, modifications, sizing, specifications may be subject to upcharges, and list prices do not include related services (any tagging, testing, drawings, etc.) that may result in additional charges. Prices exclude all taxes, fees, and duties, including, without limitation, (a) all sales, use, franchise, license, excise, value-added, or other taxes; (b) export or import duties; and (c) inspection fees, all of which shall be paid by Buyer. All prices are subject to change by Seller at any time without notice. Price sheets are not offers to sell.

Time of payment is of the essence. Payment terms are net thirty days from date of invoice, unless otherwise agreed in writing by Seller. Buyer agrees to pay for all goods received by Buyer in full, without offset or deduction, at the prices, for the quantities, and per the payment terms specified on Seller's invoice, by check or wire transfer of immediately available funds in the currency specified on Seller's invoice and as reasonably directed by Seller. Buyer shall notify Seller of any dispute with respect to any invoice within ten (10) days of receipt of the disputed invoice or Buyer waives its right to dispute such invoice. Seller reserves the right to charge a late fee of one- and one-half percent (1½%) per month or the maximum percentage rate permitted by law, whichever is lower, on any amounts not paid in accordance with invoiced terms. Without limiting any other remedies under the law, Buyer shall reimburse Seller for all of Seller's costs and expenses, including reasonable attorneys' fees, incurred in connection with collecting payments due or otherwise enforcing this Agreement.

FREIGHT ALLOWANCE: FREIGHT ALLOWANCE: All combined material shipments are full freight allowed at \$6,000, excepting press products, including "Apollo" PowerPress, "Apollo" Press and "Apollo" SmartPress, which are full freight allowed at \$3,000. No freight will be allowed for Air Freight, Air Express, Parcel Post, U.P.S. shipments, other expedited shipping, or shipping in a manner that is not customary for Seller.

SHIPPING & DELIVERY; TRANSFER OF TITLE AND RISK OF LOSS:

Any orders that qualify for a freight allowance will be shipped F.O.B. Shipping Point, freight prepaid and allowed or as otherwise agreed to in writing by Seller. Any orders that do not qualify for a freight allowance will be shipped F.O.B. Shipping Point, freight prepaid and added to the invoice. For all orders, Seller reserves the right to select the carrier and method of shipment and to route shipments at Seller's discretion. If Buyer requests shipment in a manner other than as selected by Seller, Buyer shall reimburse Seller for extra freight charges, special packaging, and incidental costs incurred for goods shipped at Buyer's request by means other than Seller's customary shipping methods. If Buyer requests Seller to delay shipping all or any portion of an order beyond its scheduled shipment date, Seller may at its discretion agree to delay shipment and impose a service charge of \$150 per pallet per day.

Title and risk of loss passes to Buyer upon delivery of goods by Seller to the carrier at the point of origin. Claims for damages or shortages in transit are the responsibility of Buyer. All shipping dates are approximate and are dependent upon prompt receipt from Buyer of all information necessary for the proper execution of Buyer's purchase order and subject to Seller's acceptance and confirmation. For items requiring export licensing, shipping dates are subject to receipt from the Buyer of requisite items as well as processing time for submission and approval of license. Goods controlled by or subject to the U.S. Bureau of Industry and Security or similar governmental oversight are placed on hold until export documents are obtained. Subject to their availability and requisite licensing, Seller will use commercially reasonable efforts to deliver the goods timely, but in no event will Seller be liable for any costs, charges, expenses, or damages (including liquidated damages), or for any penalty for late or delayed delivery. The time of delivery is not of the essence. Seller may, in its sole discretion and without liability or penalty, make partial shipments of goods to Buyer and each such partial shipment shall constitute a separate sale.

TERMINATION OR SUSPENSION: This Agreement and all shipments of goods shall, at all times, be subject to the approval by Seller of Buyer's financial condition. Seller may extend credit to Buyer in Seller's sole discretion and may modify such credit terms at any time. If the financial condition of Buyer at any time becomes unsatisfactory to Seller, in Seller's sole discretion, or if Buyer fails to make payment when payment is due, fails to take delivery, or breaches this Agreement, in addition to any rights Seller may have, Seller may defer or decline to make any shipment(s), cancel a sale, or condition shipment(s) upon receipt of satisfactory security or cash in advance.

INSPECTION BY BUYER AND NONCONFORMING GOODS: All goods must be inspected by Buyer upon receipt. In the event the goods delivered do not conform to the product or quantity stated on a purchase order accepted by Seller pursuant to Seller's order acknowledgement ("Nonconforming Goods"), Buyer must notify Seller in writing within ten (10) days after Buyer's receipt of such Nonconforming Goods. A failure of Buyer to so notify Seller shall constitute a waiver of such a claim. Upon being notified by Buyer, Seller will be afforded a reasonable opportunity to investigate the claim and to correct the non-conformance by, in Seller's sole discretion, either (a) replacing such Nonconforming Goods; or (b) crediting or refunding the price for such Nonconforming Goods, together with shipping charges incurred by Buyer in connection therewith. In either case, Buyer shall ship the nonconforming goods back to Seller at Seller's reasonable direction and expense. The remedies set forth in this section are Buyer's exclusive remedies with respect to the delivery of Nonconforming Goods. Seller will not have responsibility for paying for any costs associated with the use or installation of Nonconforming Goods. Buyer shall defend, indemnify and hold Seller harmless from any claim, damage, liability or expense (including but not limited to reasonable attorneys' fees, costs of investigation, and costs of defense) arising out of or in connection with any violation of the preceding sentence. This section does not apply to nonconformities that are subject to an applicable End User or Reseller Limited Warranty, as defined below.

NON-RETURNABLE, NON-CANCELLABLE GOODS: The following goods are not returnable ("Non-Returnable Goods"): all non-stock, special, custom made, or modified items, including stock items that require special alloys or incorporation of special or non-standard materials, services, or requirements; items containing time-sensitive components that have reached the end of their warranty or shelf life; items that incorporate materials or components from a third party at request of Buyer; and clearance and limited-availability items. Orders (i) for Non-Returnable Goods or (ii) for any services already performed by Seller are non-cancellable and will be invoiced to Buyer for payment per these Terms and Conditions.

RETURNS OF STANDARD, STOCK ITEMS: Only standard, stock items that do not constitute Non-Returnable Goods ("Stock Items") are subject to requests for return. Seller will not accept returns of broken boxes or returns of Stock Items less than case quantity. No goods may be returned without prior written authorization from Seller. Requests to return Stock Items must be made in writing within ninety (90) days from date of shipment by Seller. If authorized by Seller in writing, returns must be shipped prepaid by Buyer to the location designated on the return authorization. Credit will be issued based on the original invoice price, or price in effect at time of return, whichever is lower, less a minimum restocking charge of 30%. All returned goods must be in salable condition in order to qualify for credit. Return authorization will not be granted when the value of all items to be returned is less than \$6,500.00. Orders for Stock Items may be cancelled by notice to the Seller prior to shipment, subject to Buyer's payment of a cancellation charge of 30% of the price in Seller's order confirmation. Cancellation of any order after shipment will be subject to the return provisions of these Terms and Conditions.



RESELLER LIMITED WARRANTY:

Seller extends to (i) certain purchasers (e.g., builder, installer, contractor, or other person) purchasing the goods for use or installation, rather than resale, and (ii) end users (e.g., property owners) of goods it manufactures (collectively, "End Users") written limited warranties found at <https://aalberts-ips.us/warranty-information/> ("End User Limited Warranty"). If Buyer is an End User of the goods, the terms of the applicable End User Limited Warranty shall govern and control, and the remedies set forth in the End User Limited Warranty shall be Buyer's sole and exclusive remedy, and Seller's entire liability for any breach of warranty or other claim is controlled by the End User Limited Warranty.

It is understood and agreed that Buyer is not an End User. Seller warrants to Buyer that as of the date of manufacture, such goods materially conform to Seller's published specifications in effect as of the date of manufacture and are free from defects in material and workmanship that cause the goods to be unable to perform their intended function ("Reseller Limited Warranty"). Should any goods sold to Buyer in its capacity as a reseller of the goods be found to not meet the foregoing warranty, Seller shall, in its sole discretion, either furnish a replacement or make a fair allowance therefor; provided, however, that Buyer must provide Seller with a written notice of any claim under such warranty within thirty (30) calendar days of Buyer's receipt of the goods and must refrain from resale of the goods. Buyer must afford Seller a reasonable opportunity to inspect the goods and evaluate the claim. AS A RESELLER OF THE GOODS, THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY WITH RESPECT TO GOODS PURCHASED FOR RESALE WHICH DO NOT CONFORM TO THE WARRANTY STATED ABOVE. EXCEPT FOR THE RESELLER LIMITED WARRANTY, SELLER MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS AND DISCLAIMS ALL OTHER WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE. Nothing in this Agreement or otherwise shall be construed so as to create or infer any other warranty on the goods.

BUYER'S COMPLIANCE, RESELLER OBLIGATIONS, AND EXPORT CONTROL:

Buyer shall comply with all applicable laws, rules, guidelines, regulations, and orders ("Laws") in any way relating to Buyer's purchase, ownership, transportation, receipt, handling, exportation, storage, processing, alteration, relabeling, refinishing, reconfiguring, rebranding, repackaging, disposal, redirection or resale of the goods once the goods have been received by Buyer, including all sanctions, anti-bribery, anti-money laundering and counter-terrorism financing laws applicable in its countries of establishment and/or operation.

In the event Buyer modifies, reconfigures, relabels, rebrands, or repackages the goods for resale (including further distribution), then (a) the goods shall be sold under Buyer's brand, (b) any warranty offer by Seller to Buyer shall be invalidated, and (c) Buyer shall be solely responsible for such modified, reconfigured, relabeled, rebranded, or repackaged goods and for ensuring such goods comply with all applicable Laws. Buyer acknowledges that the goods are subject to various federal, state, provincial, and local Laws and that the goods are labeled for end use within the jurisdiction in which the goods are delivered to Buyer.

Without limiting the foregoing, Buyer shall comply with, and at Seller's request shall demonstrate compliance with, all export laws, restrictions, and regulations of any U.S. agency or authority (including International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR)) or foreign agency or authority. Buyer shall not export, or re-export, or allow the export or re-export of goods sold under this Agreement in violation of any such laws, embargoes, restrictions or regulations. The above also applies to the extent Buyer otherwise makes available to a foreign person (within or outside of the U.S.) the technical data, technology or know-how comprising, or relating to, the goods. Buyer shall obtain and bear all expenses relating to any necessary licenses and/or exemptions with respect to the export or re-export from the United States to Buyer or customers of Buyer in compliance with all applicable laws and regulations prior to shipment thereof. Buyer shall defend, indemnify and hold Seller harmless from any claim, damage, liability or expense (including but not limited to reasonable attorneys' fees, costs of investigation, and costs of defense) arising out of or in connection with any violation of the preceding sentence.

Buyer expressly acknowledges and agrees not to export, re-export or provide goods to any person, entity, or destination prohibited under U.S. Law from receiving such goods pursuant to sanction or otherwise, without obtaining prior government authorization. All warranties otherwise applicable to the goods shall be null and void for goods exported outside the U.S. and Canada and goods sold outside the U.S. and Canada are "as is", with no express or implied warranties provided by Seller.

PRODUCT LITERATURE, SUITABILITY OF GOODS: Buyer further agrees that it has received and will comply with available product literature on Seller's website as of the time of shipment relating to the transport, storage, handling, and installation of goods from Seller. Seller is not responsible for verifying if its goods are suitable for intended service conditions and assumes no responsibility for same.

NO RECOVERY OF CONSEQUENTIAL OR SPECIAL DAMAGES: IN NO EVENT WILL SELLER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, MULTIPLE, PUNITIVE, INDIRECT, CONSEQUENTIAL, EXEMPLARY OR RESULTING DAMAGES, INCLUDING BUT NOT LIMITED TO, PROPERTY DAMAGE (INCLUDING WATER DAMAGE, MOLD, OR DAMAGE TO OTHER BUILDING COMPONENTS), LOST PROFITS OR REVENUES, OR LOSS OF USE WHETHER ARISING OUT OF BREACH OF CONTRACT, TORT, OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER EITHER SELLER OR BUYER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL

FORCE MAJEURE: Seller shall not be liable, nor deemed in breach hereunder, for any failure or delay in delivering the goods or in the performance of its other obligations to Buyer hereunder, caused by or arising out of circumstances or events beyond the parties' control and that they could not reasonably avoid or overcome ("Force Majeure Event"). Force Majeure Events include, but are not limited to, strikes involving all or part of the Seller's personnel or its customary carriers, fire, flood, war (declared or not), riot, insurrection, acts of terrorism, pandemic, epidemic, public health emergency, acts (including, without limitation, suspensions, closures, and delays) of any governmental authority, priorities granted at the request or for the benefit, directly or indirectly, of any government or agency thereof, shortage of raw material, act of God, weather, natural disasters, production stoppages due to unintended breakdowns, impossibility of receiving supplies or raw materials, weight limits during thaw conditions, road blocks, strikes or breakdowns in electricity or utility supplies, or supply breakdowns attributable to Seller's suppliers, rebellion, revolution, insurrection, military or usurped power, civil war and other hostilities, invasion, act of foreign enemies, mobilization, requisition or embargo, ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosives, or other hazardous properties of any explosive nuclear assembly or nuclear components thereof, and regardless of whether the cause or condition now exists or arises hereafter, and whether or not such condition is foreseeable. If Seller is rendered unable to carry out any or all of its obligations under this Agreement because of the happening of a Force Majeure Event, then Seller shall give notice to Buyer and, upon the giving of such notice, the obligations of Seller shall be suspended for as long as may be necessary under the circumstances. If the Force Majeure Event lasts longer than thirty (30) days from Seller's notice, Seller and Buyer both have the right to cancel each or all of Buyer's previously accepted and confirmed purchase orders by giving notice to the other within forty-five (45) days of the date of Seller's notice.

INTELLECTUAL PROPERTY: All intellectual property rights related to the goods are either the sole and exclusive property of Seller or Seller is an authorized licensee thereof. Buyer shall not receive any intellectual property ownership or licensing rights with respect to the intellectual property related to the goods. Buyer shall not analyze or otherwise examine, or allow to be analyzed or examined, any of Seller's goods for the purpose of reverse engineering the formulations for such goods. Buyer shall not modify, reconfigure, relabel, rebrand, or repackage the goods or remove any trademarks from or other markings on the goods without the express written consent of Seller.

CONFIDENTIALITY: Any nonpublic, confidential, or proprietary information disclosed by Seller to Buyer, regardless of whether or not such information is marked or identified as "confidential", including any special pricing, discounts, or rebates offered to Buyer, is confidential, solely for the use of performing this Agreement, and may not be disclosed by Buyer to any third party, except where required by law, unless authorized in advance by Seller in writing, where permitted by law. This section does not apply to information, other than personal information, that is in the public domain, known to Buyer at the time of disclosure, or rightfully obtained by Buyer on a non-confidential basis from a third party.

SECURITY PLEDGE: As collateral security for the payment of the purchase price of the goods, Buyer hereby grants to Seller a lien on and security interest in and to all of the right, title, and interest of Buyer in and to the goods until Buyer makes payment for the goods to Seller. The security interest granted under this provision constitutes a purchase-money security interest. Seller is expressly authorized, at its option, and as Buyer's attorney-in-fact, to file one or more financing statements or other notices under applicable law naming Buyer as debtor and Seller as secured party and indicating therein the goods and proceeds thereof as items of collateral. Without limiting the foregoing, Buyer further agrees to pledge each shipment of goods to Seller, and to execute such documents and to do such further acts as necessary to pledge such shipments to Seller.

INDEMNIFICATION: Buyer hereby indemnifies and agrees to defend and hold Seller harmless from any claims, damages, losses, costs and expenses including, without limitation, attorneys' fees and costs of investigation ("Loss") arising out of or related to (a) the negligent, reckless, or willful acts or omissions of Buyer (or its employees, contractors, or agents), (b) the breach by Buyer (or its employees, contractors, or agents) of its obligations, representations, or covenants hereunder, or (c) any failure by Buyer to comply with applicable Laws; provided, however, nothing contained herein obligates Buyer to indemnify and hold Seller harmless from Loss solely caused by (a) the negligent, reckless, or willful acts and omissions of Seller (or its employees, contractors, or agents), (b) the breach by Seller (or its employees, contractors, or agents) of its obligations, representations, or covenants hereunder, or (c) any failure by Seller to comply with applicable Laws.



GOVERNING LAW; CONSENT TO JURISDICTION: This Agreement and all matters arising out of or relating to this Agreement are governed and to be construed by the laws of the State of North Carolina, including specifically the provisions of the Uniform Commercial Code as then in effect in the State of North Carolina, without regard to any choice of law provisions that would obtain a different result. **THE PARTIES EXPRESSLY EXCLUDE THE APPLICABILITY OF THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS.** Any action or proceeding arising out of or related to this Agreement shall be brought only in a state court located in Mecklenburg County, North Carolina, or federal court for the Western District of North Carolina, and the parties hereby (i) consent to such exclusive venue and the exclusive jurisdiction of such courts over the subject matter of such proceeding and themselves and (ii) waive and agree not to assert defenses as to venue or personal jurisdiction in any action commenced in such courts pursuant to this Agreement.

ADDITIONAL TERMS:

This Agreement is for the sole benefit of Seller and Buyer, and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit, or remedy.

Buyer may not assign any rights nor delegate any obligations under this Agreement without Seller's prior written consent, and any attempt at assignment by Buyer is null and void.

Failure of Seller to enforce any provision of these Terms and Conditions will not be construed as a waiver of any provision hereof. Any waiver must be made in writing, with reference to these Terms and Conditions specifically, and signed by Seller.

If any portion of this Agreement is held invalid or unenforceable, such portion shall be severed from the remaining parts and such holding will not affect the validity or enforceability of any other provision.

If (i) any quotation or other document of Seller is deemed to constitute an offer to Buyer or (ii) any purchase order or other document of Buyer is deemed to constitute an acceptance, Buyer's acceptance of Seller's offer is governed by and subject to these Terms and Conditions.

This Agreement does not obligate Buyer to order goods from Seller, nor does it obligate Seller to accept orders from Buyer.

Seller may amend or change these Terms and Conditions at any time without notice by posting an updated version thereof on its website. The version of these Terms and Conditions in effect as of the date OF SELLER'S ORDER ACKNOWLEDGMENT APPLIES AND SUPERSEDES ALL PRIOR VERSIONS.



Since the inception in 1975, Aalberts is where technology matters and real progress can be made - humanly, financially and environmentally. At Aalberts, we create mission-critical products surrounding valve and connection technology supporting our brand, "Apollo".

The manufacturing of Consolidated Brass Company (later called Conbraco) began in 1928, in Detroit, Michigan with a focus on ball cocks, air cocks and similar products. In 1955, the manufacturing operation moved to the Carolinas spanning North and South Carolina with 3 facilities. In 2010, Aalberts, a global Dutch company, purchased Conbraco. Today the "Apollo" brand is manufactured under the company name, Aalberts integrated piping systems, in 3 locations throughout South Carolina. Over the last 90 years the product portfolio has continued to grow to encompass ball valves, butterfly valves, safety relief valves, control valves, mixing valves and backflow preventors.

These systems are applicable for key verticals such as residential, commercial, industrial, and utility. Our products are designed and developed by our team of innovators and engineers. Our design services team can assist in helping you determine the best techniques for your application with our products. We are the only company that truly offers customers a complete solution every time that is made and sourced from the same organization.

Don't just buy products, buy solutions.

