
















Commercial/Residential Bronze & Brass Ball Valves (THD/SWT)

	Valve Series (THD/SWT)	Body Material	Body Type	SS Trim Option	Gas Certified (THD only)	Size Range	Origin	Adder Options	Milwaukee Equal	Nibco Equal
	70-100 THD 70-200 SWT	Bronze	2-Piece Std Port	Yes	No	1/4" - 4"	USA	Many	BA100 BA150	580-70
	70LF-100 THD 70LF-200 SWT	Lead-free Bronze	2-Piece Std Port	Yes	No	1/4" - 4"	USA	Many	UPBA100 UPBA150	580-80-LF
	70-100-HC THD 70-200-HC SWT 70LF-100-HC THD 70LF-200-HC SWT	Bronze & LF Bronze	2-Piece Std Port Hose Cap	Yes	No	1/2" - 1"	USA	Limited	BA100H UPBA100H	585-70-HC
	77C-100-A THD 77C-200-A SWT	Bronze	2-Piece Full Port	Yes	No	1/4" - 2 1/2"	USA	Limited	BA400 BA450	585-70
	77CLF-100-A THD 77CLF-200-A SWT	Lead-free Bronze	2-Piece Full Port	Yes	No	1/4" - 2 1/2"	USA	Limited	UPBA400 UPBA450	585-80-LF
	82-100 THD 82-200 SWT	Bronze	3-Piece Full Port	Yes	No	1/4" - 4"	USA	Many	BA300 BA350	595-Y
	82LF-100 THD 82LF-200 SWT	Lead-free Bronze	3-Piece Full Port	Yes	No	1/4" - 2 1/2"	USA	Limited	UPBA300 UPBA350	595-Y-LF
	82-100 Med Gas (multiple options)	Bronze	3-Piece Full Port	Yes	Oxygen Service	1/2" - 4"	USA	Many	MG series	CS-595-YX
	77F-100 THD 77F-200 SWT	Brass	2-Piece Full Port	Yes	Yes	1/4" - 4"	USA	Limited	BA475B BA485B	N/A
	77FLF-100 THD 77FLF-200 SWT	Lead-free Brass	2-Piece Full Port	Yes	Yes	1/4" - 4"	USA	Limited	UPBA475B UPBA485B	N/A
	94A-100 THD 94A-200 SWT	Brass	2-Piece Full Port	No	Yes	1/4" - 4"	China	Few	BA200 BA250	FP600A

	Valve Series (THD/SWT)	Body Material	Body Type	SS Trim Option	Gas Certified (THD only)	Size Range	Origin	Adder Options	Milwaukee Equal	Nibco Equal
	94ALF-100-A THD 94ALF-200-A SWT	Lead-free Brass	2-Piece Full Port	No	Yes	1/4" - 4"	China	Few	UPBA200 UPBA250	FP600A-LF
	95ALF-100-A THD 95ALF-200-A SWT	Lead-free Brass	2-Piece Full Port Stop & Waste	No	No	1/2" - 1"	China	None	N/A	FP600-AD-LF

APOLLO® NUMBERING SYSTEM

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MATERIAL OR STYLE

2-PIECE & UNIBODY VALVES	
70	Bronze
71	Bronze with Pads
72-A	Carbon Steel
73	Carbon
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 Economy
78	Special Valves and Kits
79	Refrigerant Valves
7A	Chlorine Carbon Steel
7K	Bronze Full Port Drain
80	Bronze, UL Listed
81	Bronze, UL Listed Plain Ball
82	Bronze 3-Piece Full Port
89	Cast Carbon Steel w/Pads
9A	Bronze, Heavy Patt., Unibody
90	Bronze, Unibody UL listed
91	Bronze, Unibody
92	Cast Carbon Steel Unibody
93	Carbon Steel Unibody
95	Bronze & Stop Drain
96	CF8M Stainless Steel Unibody
399	Alloy-20 NPT

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
7	Full Port Refrigeration Valves
8	Male x Female NPT
9	3-Way Solder / O-Ring Boss (70-9) SAE Straight Threads (72, 77)

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

SIZE

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"

OPTIONS

-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 Fastner
-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 Chrom 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	Assembly 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 and Graphite Packing (-24 & -56)
-66	FNPT x Butt Weld
-67	Cleaned for Industrial Gas (CS Valves) (17361 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	ECG 2236 Packing, Graphite Spiral Wound Gasket
-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-00 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	Made in USA
-ZG	Cup & Cone Style Packing, Graphite
-ZP	Cup & Cone Style Packing, PTFE

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 option.
- If multiple options are desired, replace the "01" suffix with the desired suffixes in the order shown below.

EXAMPLE:87A-10A-1424MG



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