

Apollo Bronze 2 Piece Ball Valve with Standard Configuration 1/2" (Union FNPT x FNPT)



group: 7030X01 **article:** 7030301 **category:** valves

The Apollo® 70-300 Series is a standard port ball valve that combines pipe union with ball valve shut-off.

- Adjustable Packing Gland
- Blowout-Proof Stem Design
- RPTFE Seats & Stuffing Box Ring
- Chromium Plated Ball

this article is part of a product group (7030X01) that contains a total of 8 items

[view all 8 items](#) 

applications

heating, cooling, steam, vacuum

segments

utility

approvals

Build America Buy America (BABA) Act , Buy American Act (BAA) , CRN , Made in USA

specifications - characteristics

color	bronze
materials	bronze (ASTM B584-C84400)
finishing	none
shape	straight
connection type	FPT - female thread conical (NPT)
Bore (Full bore)	12.7 mm (No)

specifications - general

product group	valves (ball valves)
ETIM class	EC011343 Ball valve
country of origin	United States
brand	Apollo
series	70 Series Ball Valves
product type	7030X01
unsps	40141607

specifications - product Info

article	Apollo Bronze 2 Piece Ball Valve with Standard Configuration 1/2" (Union FNPT x FNPT)
article number with gtin	7030301 (00670750669385)
product number with gtin	7030301 (00670750669385)
manufacturer	Aalberts integrated piping systems Americas, Inc. (Apollo)
item group	7030X01 - Apollo Bronze 2 Piece Ball Valve with Standard Configuration (Union FNPT x FNPT)
size	1/2"
weight	0.96 lb

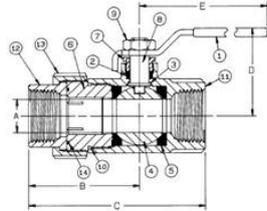
specifications - technical

max operating pressure liquid	600 psi
min. medium temperature	-20 °F
max medium temperature	500 °F

d1	DN1	l1	z1	d2	DN2	l2	z2	M1	M2	E	V
D1											
1.99	1/2"	1.46	0.55	1.09	1/2"	0.56	3.85	0.68	1.06	0.75	0.65
0.84											

FEATURES

- Reinforced seats
- Fluorocarbon O-Ring sealed single union requires only light torque to seal
- Blowout-proof stem design
- Adjustable packing gland



STANDARD MATERIAL LIST

PART	MATERIAL
1 Lever and grip	Steel, zinc plated w/nickel
2 Stem packing	MSPTFE
3 Stem bearing	RPTFE
4 Ball	316, chrome plated
5 Seal (2)	RPTFE
6 Retainer	316 (1/4" to 1 1/2") 316L-CB4400 (2")
7 Glandnut	316
8 Stem	316
9 Lever nut	Steel, zinc plated
10 Body seal (1/2" to 2")	PTFE
11 Body	316L-CB4400
12 Tabrace	316 or 316L-CB4400
13 Union nut	316 or 316L-CB4400
14 Union seal	Fluorocarbon

DIMENSIONS

PRODUCT NO.	SIZE	A	B	C	D	E	WT.
70-301-01	1/4"	0.37	1.90	2.91	1.75	1.87	0.86
70-302-01	3/8"	0.57	1.90	2.95	1.75	1.87	0.84
70-303-01	1/2"	0.50	2.00	3.09	1.75	1.87	0.89
70-304-01	3/4"	0.68	2.46	3.96	2.10	4.81	1.91
70-305-01	1"	0.87	2.78	4.46	2.25	4.87	2.42
70-306-01	1.25"	1.00	2.68	4.68	2.62	5.50	4.27
70-307-01	1.5"	1.25	2.87	5.06	3.05	6.00	5.82
70-308-01	2"	1.50	3.25	5.59	3.24	6.00	8.50

VARIATIONS AVAILABLE

- 70-340 Series (316 SS Ball & Stem)

OPTIONS AVAILABLE

(MORE INFORMATION IN SECTION J)

- Minimum quantities apply.
- To specify an option, replace the "01" standard suffix with the suffix of the option.
- To specify multiple options, replace the "01" suffix with the desired suffixes in the numerical order shown below. NOTE: Not all suffixes can be combined together.

(SUFFIX)	OPTION	SIZES
	Standard Configuration	all
-02-	Stem Grounded	1/4" to 2"
-04-	2.25" CS Stem Extension	1/4" to 2"
-05-	Plain Ball	1/4" to 2"
-07-	Steel Tee Handle	1/4" to 2"
-08-	30° Rounded Stem	1/4" to 2"
-10-	SS Lever & Nut	1/4" to 2"
-14-	Side Verted Ball (Lvs Directional)	1/4" to 2"
-15-	Wheel Handle: Steel	1/4" to 2"
-16-	Chain Lever - Vertical	1/4" to 2"
-17-	Rough Chrome Plated - Bronze Valves	1/4" to 2"
-18-	Plain Yellow Grip	1/4" to 2"
-20-	Skid Verted Ball (R-Directional) - Bronze Valves	1/4" to 2"
-21-	UNMWPV Seats (Non PTFE)	1/4" to 2"
-24-	Graphite Packing	1/4" to 2"
-27-	SS Latch Lock Lever & Nut	1/4" to 2"
-30-	Cam-Lock and Grounded	1/4" to 2"
-32-	SS Tee Handle & Nut	1/4" to 2"
-35-	PTFE Trim	1/4" to 2"
-45-	Lets Lever & Nut	1/4" to 2"
-46-	Latch Lock Lever - Lock in Closed Position Only	1/4" to 2"
-48-	SS Oval Handle (No Latch & Nut)	1/4" to 2"
-49-	Assembled Dry	1/4" to 2"
-50-	2.25" CS Locking Stem Extension	1/4" to 2"
-56-	MultiFit Seats & Packing	1/4" to 2"
-57-	Oxygen Cleaned	1/4" to 2"
-58-	Chain Lever - Horizontal	1/4" to 2"
-60-	Grounded Ball & Stem	1/4" to 2"
-61-	NPT x Solder/Socket Weld	1/8" to 2"
-92-	Balancing Stop	1/4" to 2"
-94-	2.25" CS Stem Extension and Balancing Stop	1/4" to 2"

Pressure/Temperature Ratings - Page M-10, Graph No. 4

downloads

[70-300 Image - png](#)

[70-300 Data Sheet - pdf](#)

[70-300 Diagram - png](#)

[70-300 Kit Listing - pdf](#)