

data sheet

70-300 series

single union end bronze ball valve



features

- premium materials and heavy duty construction
- adjustable packing gland
- blowout-proof stem design
- RPTFE seats and stem packing rings
- chromium plated ball
- manufactured in the USA – BABA and BAA compliant

description

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

size range

- 1/4" - 2"

connections

- threaded

configurations

- 70-300 series – standard
- 70LF-300 series – lead-free

approvals

- MSS SP-110
- federal specifications
 - WW-V-35C
- CSA B51 CRN:0C10908.5C
- Buy American Act (BAA)
- Build America Buy America (BABA) Act

component	material
body	bronze, ASTM B584, C84400
retainer	brass, ASTM B16 (1/4" to 1 1/2") bronze, ASTM B584, C84400 (2")
ball	brass ASTM B16, C36000 chrome plated brass B283, C37700 chrome plated, or stainless steel, A276-316
seat (2)	RPTFE
stem	brass, ASTM B16, C36000
gland nut	brass, ASTM B16, C36000
stem packing	MPTFE
lever and grip	steel, zinc plated w/ vinyl
lever nut	steel, zinc plated
tailpiece & nut	B16 or B584-C84400
union seal	fluorocarbon
body seal (1 1/4" - 2")	PTFE

performance rating			
CWP	SWP	temperature	vacuum service
600 psig (maximum pressure)	150 psig	500°F (maximum temperature)	29 in. Hg



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Aalberts integrated piping systems

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job name

job location

engineer

contractor

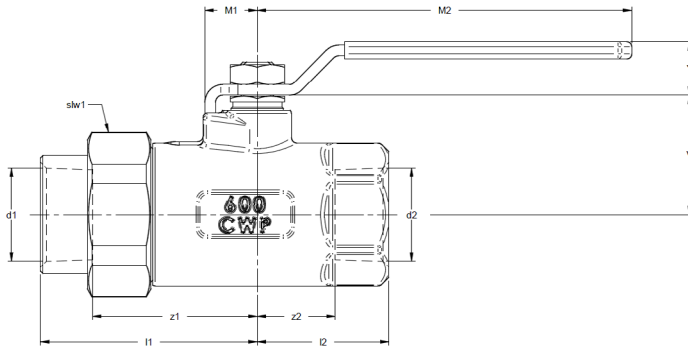
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dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
70-301-01*	¼"	0.37"	0.54"	0.54"	1.89"	1.01"	1.49"	0.61"	0.55"	3.85"	1.03"	0.65"	0.86 lbs
70-302-01*	⅜"	0.37"	0.68"	0.68"	1.01"	1.01"	1.48"	0.61"	0.55"	3.85"	1.03"	0.65"	0.84 lbs
70-303-01*	½"	0.50"	0.84"	0.84"	1.08"	1.09"	1.46"	0.56"	0.55"	3.85"	1.06"	0.65"	0.99 lbs
70-304-01	¾"	0.68"	1.05"	1.05"	1.47"	1.49"	1.88"	0.94"	0.67"	4.76"	1.40"	0.68"	1.91 lbs
70-305-01	1"	0.87"	1.31"	1.31"	1.67"	1.67"	2.10"	0.99"	0.67"	4.76"	1.51"	0.68"	2.42 lbs
70-306-01	1 ¼"	1.00"	1.66"	1.66"	1.98"	1.99"	2.02"	1.40"	0.98"	5.40"	1.99"	0.70"	4.27 lbs
70-307-01	1 ½"	1.25"	1.90"	1.90"	2.14"	2.17"	2.17"	1.49"	1.00"	7.75"	2.18"	0.90"	5.82 lbs
70-308-01	2"	1.50"	2.38"	2.38"	2.35"	2.32"	2.24"	1.73"	1.00"	7.75"	2.37"	0.90"	8.55 lbs

*sizes ¼", ⅜" and ½" are full port designs

options

option	component	size
(-02)	stem grounded	¼" - 2"
(-04)	2 ¼" cs stem extension	¼" - 2"
(-07)	steel tee handle	¼" - 2"
(-10)	ss lever & nut	¼" - 2"
(-14)	side vented ball (uni-directional)	¼" - 2"
(-15)	wheel handle, steel	¼" - 2"
(-17)	rough chrome plated	¼" - 2"
(-20)	slote vented ball	¼" - 2"
(-21)	UHMWPE trim (non-PTFE)	¼" - 2"
(-27)	ss latch-lock lever & nut	¾" - 2"

option	component	size
(-32)	ss tee handle & nut	¾" - 2"
(-35)	VTFE trim	¾" - 2"
(-45)	less lever & nut	¾" - 2"
(-48)	ss oval handle (no latch) & nut	¾" - 2"
(-50)	2 ¼" cs locking stem extension	¾" - 2"
(-56)	MPTFE seats and packing	¾" - 2"
(-57)	oxygen cleaned	¾" - 2"
(-63)	NPT x solder	⅝" - 2"
(-92)	balancing stop	¼" - 2"