

data sheet

70-800 series

male x female NPT bronze ball valve



features

- adjustable packing gland
- blowout-proof stem design
- RPTFE seats and stuffing box ring
- 100% factory tested
- manufactured in the USA – BABA and BAA compliant

description

The “Apollo”® 70-800 series is a standard port two-piece ball valve that eliminates the need for an extra nipple when connecting to female connections.

size range

- ¼” - 1 ½”

connections

- threaded

configurations

- 70-800 series – standard
- 70LF-800 series - lead-free (½ - 1 ¼)

approvals

- MSS SP-110
- federal specifications
 - WW-V-35C
 - type: II
- CSA B51 CRN:OC10908.5C
- Buy American Act (BAA)
- Build America Buy America (BABA) Act



this specification is provided for reference only. we reserve the right to change any portion of this specification without notice and without incurring obligation to make such changes to Aalberts integrated piping systems products previously or subsequently sold.

Aalberts integrated piping systems

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component	material
body	bronze, ASTM B584-C84400
retainer	brass, ASTM B16, C36000
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	zinc plated w/ vinyl
lever nut	steel, zinc plated
stem bearing	RPTFE
body seal (1 ¼”- 1 ½”)	PTFE

performance rating			
CWP	SWP	temperature	vacuum service
600 psig (maximum pressure)	150 psig	425°F at 100 psig (maximum temperature)	29 in. Hg

job name

job location

engineer

contractor

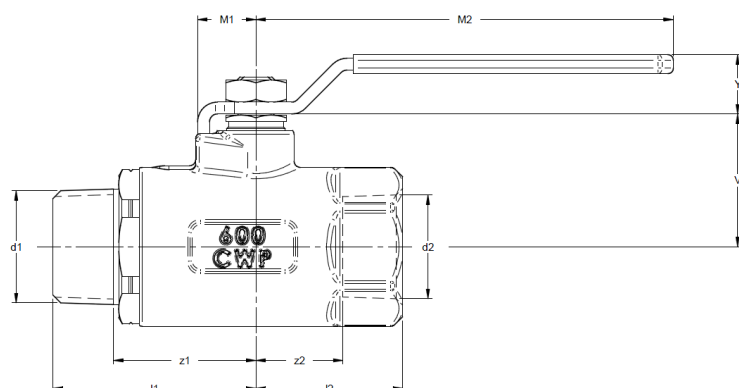
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dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
70-801-01*	¼"	0.37"	0.54"	0.54"	1.43"	1.01"	1.03"	0.61"	0.55"	3.85"	1.03"	0.65"	0.63 lbs
70-802-01*	⅜"	0.37"	0.68"	0.68"	1.51"	1.01"	1.01"	0.61"	0.55"	3.85"	1.03"	0.65"	0.60 lbs
70-803-01*	½"	0.50"	0.84"	0.84"	1.68"	1.09"	1.06"	0.56"	0.55"	3.85"	1.06"	0.65"	0.72 lbs
70-804-01	¾"	0.68"	1.05"	1.05"	2.00"	1.49"	1.38"	0.94"	0.67"	4.76"	1.40"	0.68"	1.42 lbs
70-805-01	1"	0.87"	1.32"	1.32"	2.32"	1.67"	1.63"	0.99"	0.67"	4.76"	1.51"	0.68"	1.93 lbs
70-806-01	1 ¼"	1.00"	1.66"	1.66"	2.16"	1.99"	1.45"	1.40"	0.98"	5.40"	1.99"	0.70"	3.19 lbs
70-807-01	1 ½"	1.25"	1.90"	1.90"	2.16"	2.17"	1.43"	1.49"	1.00"	7.75"	2.18"	0.90"	4.60 lbs

*sizes ¼" - ½" are full port designs

options

option	component	size
(-02)	stem grounded	¼" - 1 ½"
(-04)	2 ¼" cs stem extension	¼" - 1 ½"
(-07)	steel tee handle	¼" - 1 ½"
(-08)	90° reversed stem	¼" - 1 ½"
(-10)	ss lever & nut	¼" - 1 ½"
(-14)	side vented ball (uni-directional)	¼" - 1 ½"
(-15)	wheel handle, steel	¼" - 1 ½"
(-16)	chain lever-vertical	¾" - 1 ½"
(-21)	UHMWPE seats (non-PTFE)	¼" - 1 ½"
(-24)	graphite packing	¼" - 1 ½"
(-27)	ss latch-lock lever & nut	¼" - 1 ½"
(-30)	came-lock & grounded	¼" - 1 ½"
(-32)	ss tee handle & nut	¼" - 1 ½"
(-35)	VTPE trim	¼" - 1 ½"

option	component	size
(-41)	automatic drain (uni-directional)	¼" - 1 ½"
(-43)	cyl-loc and grounded	¼" - 1 ½"
(-45)	less lever & nut	¼" - 1 ½"
(-46)	latch lock lever-lock closed position only	¼" - 1 ½"
(-47)	ss oval latch-lock handle & nut	¼" - 1 ½"
(-48)	ss oval handle (no latch) & nut	¼" - 1 ½"
(-50)	2 ¼" cs locking stem extension	¼" - 1 ½"
(-56)	MPTFE seats and packing	¼" - 1 ½"
(-57)	oxygen cleaned	¼" - 1 ½"
(-58)	chain lever-horizontal	¾" - 1 ½"
(-60)	static grounded ball & stem	¼" - 1 ½"
(-64)	250# steam trim (MPTFE seats/packing)	¼" - 1 ½"