

data sheet

70-200 series

solder bronze ball valve



features

- premium materials and heavy duty construction
- two-piece body design
- adjustable stem packing gland
- blowout-proof stem design
- RPTFE seats and MPTFE stem packing rings
- 100% factory tested
- wide range of options
- manufactured in the USA – BABA and BAA compliant

description

The “Apollo”® 70 series is the most widely used general purpose bronze ball valve on the market today. The 70-200 model is a 2-piece standard port ball valve designed to be soft soldered into lines without disassembly. Cast and machined in our South Carolina manufacturing plants, these valves provide trusted performance and a wide range of options.

size range

- $\frac{3}{8}$ " - 4"

connections

- solder

configurations

- 70-200 series – standard
- 70-200-HC series – solder x hose cap
- 70LF-200 series – lead-free option
- 70-240 series - 316 ss ball & stem

approvals

- MSS SP-110
- CSA B51 CRN: OC10908.5C
- Buy American Act (BAA)
- Build America Buy America (BABA) Act



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Aalberts integrated piping systems

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component	material
body	bronze B584-C84400
retainer	brass B16 or B283, C37700 ($\frac{3}{8}$ " to 1") bronze B584-C84400 (1 $\frac{1}{4}$ " to 3")
ball	brass ASTM B16, C36000 chrome plated brass B283, C37700 chrome plated, or stainless steel, A276-316
seat (2)	RPTFE
stem	brass B16
gland nut	brass B16
stem packing	MPTFE
lever and grip	steel, zinc plated w/ vinyl
lever nut	steel, zinc plated
stem bearing	RPTFE
body seal (1 $\frac{1}{4}$ " to 3")	PTFE

performance rating

CWP	temperature	vacuum service
600 psig (maximum pressure)	350°F (maximum temperature)	29 in. Hg

**70-2xxHC intended for soft solder installation using solders with melting temperature of < 500°F.

job name

job location

engineer

contractor

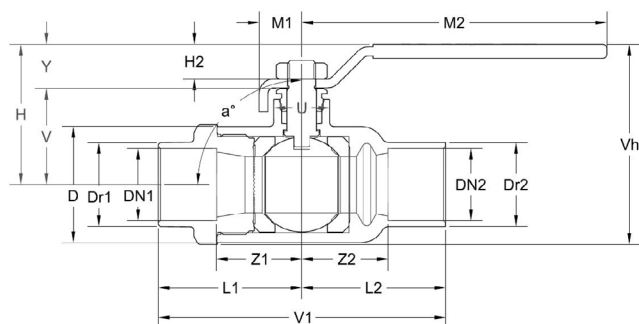
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dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	E	V	U	Y	weight
70-202-01*	3/8"	0.37"	0.50"	0.50"	1.26"	1.28"	0.90"	0.91"	0.55"	3.85"	0.68"	1.03"	0.75"	0.65"	0.63 lbs
70-203-01*	1/2"	0.50"	0.63"	0.63"	1.41"	1.42"	0.91"	0.92"	0.55"	3.85"	0.68"	1.06"	0.75"	0.65"	0.71 lbs
70-204-01	3/4"	0.68"	0.88"	0.88"	1.92"	1.93"	1.17"	1.18"	0.67"	4.76"	0.83"	1.39"	0.87"	0.68"	1.44 lbs
70-205-01	1"	0.87"	1.13"	1.13"	2.24"	2.24"	1.33"	1.34"	0.67"	4.76"	0.83"	1.51"	0.87"	0.68"	1.91 lbs
70-206-01	1 1/4"	1.00"	1.38"	1.38"	2.26"	2.30"	1.30"	1.34"	0.98"	5.40"	1.06"	1.99"	1.31"	0.70"	2.95 lbs
70-207-01	1 1/2"	1.25"	1.63"	1.63"	2.58"	2.61"	1.49"	1.52"	1.00"	7.75"	1.12"	2.18"	1.31"	0.90"	3.99 lbs
70-208-01	2"	1.50"	2.13"	2.13"	3.20"	3.13"	1.84"	1.79"	1.00"	7.75"	1.12"	2.37"	1.31"	0.90"	5.71 lbs
70-209-01A	2 1/2"	2.00"	2.63"	2.63"	3.72"	3.78"	2.24"	2.30"	1.00"	7.75"	1.12"	2.80"	1.38"	0.90"	15.53 lbs
70-200-01	3"	2.50"	3.13"	3.13"	4.12"	4.12"	2.45"	2.45"	1.00"	7.75"	1.12"	3.09"	1.37"	0.90"	16.74 lbs
70-20A-01	4"	3.12"	4.13"	4.13"	5.66"	4.61"	3.50"	2.45"	1.35"	9.91"	1.56"	3.94"	1.77"	1.25"	27.93 lbs

*sizes 3/8" and 1/2" are full port designs

options

option	component	size
(-02)	stem grounded	1/4" - 4"
(-04)	2 1/4" cs stem extension	1/4" - 3"
(-07)	steel tee handle	1/4" - 2"
(-08)	90° reversed stem	1/4" - 3"
(-10)	ss lever & nut	1/4" - 3"
(-11)	Therma-Seal™ insulating tee handle	1/4" - 2"
(-14)	side vented ball (uni-directional)	1/4" - 4"
(-15)	wheel handle, steel	1/4" - 2"
(-16)	chain lever-vertical	3/4" - 2"
(-24)	graphite packing	1/4" - 3"
(-27)	ss latch-lock lever & nut	1/4" - 3"
(-32)	ss tee handle & nut	1/4" - 2"
(-35)	PTFE trim	1/4" - 3"
(-36)	ss hi-rise round handle, ss nut	1/4" - 2"

option	component	size
(-39)	ss hi-rise locking wheel handle & nut	1/4" - 2"
(-45)	less lever & nut	1/4" - 3"
(-46)	latch lock lever-lock closed position only	1/4" - 3"
(-47)	ss oval latch-lock handle & nut	1/4" - 1"
(-48)	ss oval handle (no latch) & nut	1/4" - 2"
(-49)	assembled dry	1/4" - 4"
(-50)	2 1/4" cs locking stem extension	1/4" - 3"
(-56)	MPTFE seats and packing	1/4" - 3"
(-57)	oxygen cleaned	1/4" - 4"
(-58)	chain lever-horizontal	3/4" - 2"
(-60)	static grounded ball & stem	1/4" - 3"
(-63)	FNPT body x solder retainer	3/8" - 4"
(-92)	balancing stop	1/4" - 3"
(-94)	2 1/4" stem extension & balancing stop	3/8" - 3"
(-HC)	hose thread w/ cap & chain	1/2" - 1"