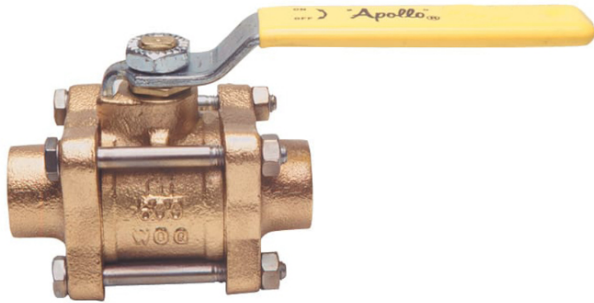


data sheet

82-200 series

3-piece full port solder end bronze ball valve $\frac{3}{8}$ " - 2 $\frac{1}{2}$ "



description

The "Apollo"® 82-200/240 series is an in-line serviceable valve designed for soft soldering or brazed installations. SAE grade body bolts and RPTFE seats are standard. Proudly manufactured in our South Carolina facilities.

size range

- $\frac{3}{8}$ " - 2 $\frac{1}{2}$ "

connections

- soldered

configurations

- 82-200 series - solder connection
- 82LF series - lead-free

approvals

- MSS SP-110
- CSA B51 CRN: 0C10908.5C
- 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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aalberts-ips.us

features

- cast bronze valve body & valve end caps
- RPTFE seats and stuffing box ring
- MSS SP-110 - "ball valves threaded, socket welding, solder joint, grooved & flared ends"
- vacuum service to 29" Hg
- full port in all sizes
- blowout-proof stem design
- manufactured in the USA - BAA and BABA compliant

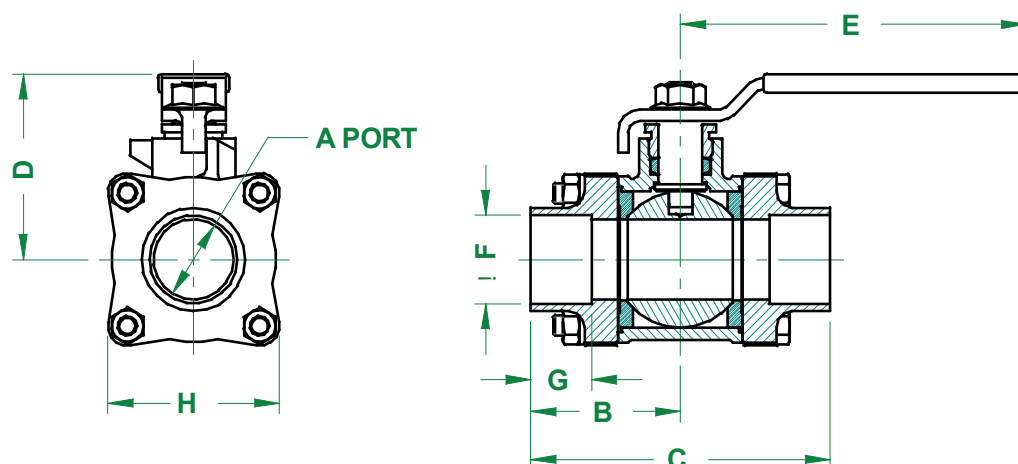
component	material
body	bronze, ASTM B584-C84400
ball	stainless steel, ASTM A276-316
seat (2)	RPTFE
stem	brass ASTM B16, C36000 or stainless steel, ASTM A276-316
gland	brass ASTM B16, C36000
stem packing	RPTFE
stem bearing	RPTFE
handle	steel, zinc plated with vinyl or stainless steel, zinc plated with vinyl
end cap (2)	bronze, ASTM B584-C84400
lever nut	steel, zinc plated or stainless steel
body bolt	steel, zinc plated or stainless steel
hex nut	steel, zinc plated or stainless steel
extension	type K copper tubing
brazing alloy	copper phos paste
cap plugs	(not shown)

performance rating

CWP	SWP	temperature	vacuum service
600 psig (maximum)	150 psig	350°F (maximum)	29 in. Hg

job name	
job location	
engineer	
contractor	
tag	
PO#	
rep	
wholesaler dist	

data sheet



dimensions

part number	size	a	b	c	d	e	f	g	h
82-202-01	¾"	0.44"	1.28"	2.56"	1.81"	3.87"	0.50"	0.38"	1.60"
82-203-01	½"	0.56"	1.40"	2.81"	1.93"	4.87"	0.63"	0.50"	1.78"
82-204-01	¾"	0.83"	1.71"	3.43"	2.18"	4.87"	0.88"	0.75"	1.98"
82-205-01	1"	1.00"	1.93"	3.87"	2.62"	5.50"	1.13"	0.90"	2.22"
82-206-01	1 ¼"	1.25"	2.37"	4.75"	2.87"	5.50"	1.38"	0.97"	2.70"
82-207-01	1 ½"	1.50"	2.62"	5.25"	3.37"	8.00"	1.63"	1.09"	3.03"
82-208-01	2"	2.00"	3.01"	6.03"	3.68"	8.00"	2.13"	1.34"	3.87"
82-209-01	2 ½"	2.50"	3.62"	7.25"	5.14"	9.75"	2.63"	1.47"	5.05"

*3" & 4" valves come standard with SS ball and stem (not optional) and adjustable length locking handles.

options

option	component	size
(-01)	standard	all
(-02)	stem grounded	all
(-04)	2 ¼" stem extension (carbon steel, zinc plated)	¼" to 2"
(-07)	steel tee handle	¼" to 2"
(-08)	90° reversed stem	all
(-10)	stainless steel lever & nut	all
(-11)	Therma-Seal™ insulating tee handle	¼" to 2"
(-14)	side vented ball (uni-directional)	all
(-15)	wheel handle, steel	¼" to 2"
(-16)	chain lever - vertical	½" to 2"
(-18)	plain yellow grip	¼" to 2"
(-19)	lock plate	¼" to 2"
(-21)	UHMWPE trim (non-PTFE)	all
(-24)	graphite packing, PTFE body seal, RPTFE bearing (API 607, 6th edition, ISO 10497:2010)	all
(-27)	ss latch-lock lever & nut (standard configuration)	½" to 2"
(-30)	cam-lock and grounded	¼" to 1 ¼"

option	component	size
(-32)	SS tee handle & nut	¼" to 2"
(-35)	PTFE trim	all
(-39)	SS hi-rise locking wheel handle, SS nut	½" to 1 ¼"
(-46)	latch lock lever - lock in closed position only	½" to 2"
(-47)	SS latch lock oval handle	½" to ¾"
(-48)	SS oval handle (no latch) & nut	¼" to 2"
(-50)	2 ¼" CS locking stem extension	¼" to 2"
(-56)	MPTFE seats and packing	all
(-57)	oxygen cleaned	all
(-58)	chain lever - horizontal	¾" to 2"
(-59)	SS external trim	¾" to 4"
(-60)	static grounded ball & stem	all
(-62)	body center section only	all
(-63)	NPT x solder	¾" to 4"
(-92)	balancing stop	¼" to 2"
(-94)	(-04) option & balancing stop	¼" to 2"