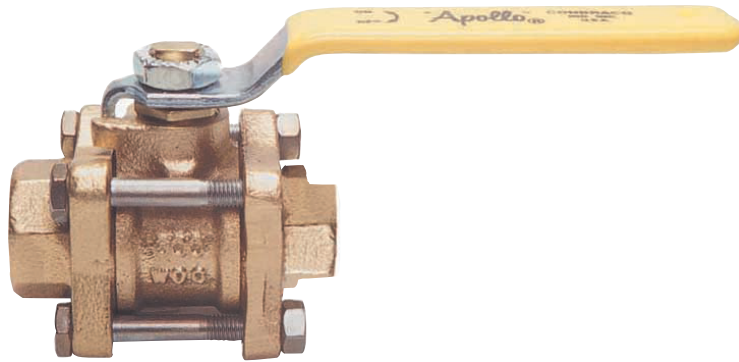


data sheet

82-100 series

3-piece full port threaded bronze ball valve 1/4" - 2 1/2"



description

The "Apollo"® 82-100 series is designed as an in-line serviceable full port bronze ball valve. SAE grade body bolts and RPTFE seals are standard. Proudly manufactured in our South Carolina facilities.

size range

- 1/4" - 2 1/2"

connections

- threaded

configurations

- 82-100 series - NPT connection
- 82-100-PR series - press connection
- 82-140 series - 316 ss vented ball & stem
- 82LF series - lead-free
- 82-200 series - solder connections

approvals/compliance

- 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

10715 Sikes Place / suite 200 / Charlotte / NC / 28277

aalberts-ips.us

features

- adjustable packing gland
- blowout proof stem design
- premium RPTFE seats and seals
- full port ball configuration in all sizes
- 100% factory tested
- manufactured in the USA - BAA and BABA compliant

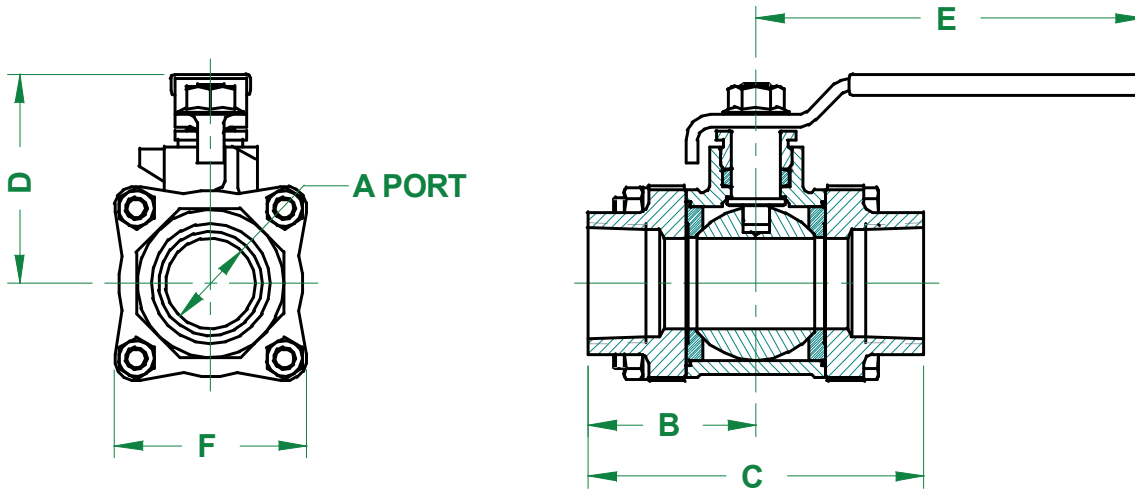
component	material
body	bronze, ASTM B584-C84400
ball	stainless steel, ASTM A276-316
seat (2)	RPTFE
stem	brass ASTM B16, C36000 (1/4" to 2 1/2")
gland nut	brass ASTM B16, C36000
stem packing	MPTFE
stem bearing	RPTFE
handle	steel, zinc plated with vinyl
end cap (2)	brass ASTM B16, C36000 (1/4" to 3/8") bronze, ASTM B584-C84400 (1/2" to 2 1/2")
lever nut	steel, zinc plated
body bolt	steel, zinc plated
hex nut	steel, zinc plated

performance rating

CWP	SWP	temperature	vacuum service
600 psig (maximum)	150 psig (maximum)	400°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	weight	Cv
82-101-01	¼"	0.50"	1.28"	2.56"	1.81"	3.87"	1.60"	1.02 lbs	8.1
82-102-01	⅜"	0.75"	1.28"	2.56"	1.81"	3.87"	1.60"	1.04 lbs	14
82-103-01	½"	0.50"	1.40"	2.81"	1.93"	4.87"	1.78"	1.55 lbs	26
82-104-01	¾"	0.75"	1.71"	3.43"	2.18"	4.87"	1.98"	2.27 lbs	51
82-105-01	1"	1.00"	1.93"	3.87"	2.62"	5.50"	2.22"	3.28 lbs	68
82-106-01	1 ¼"	1.25"	2.37"	4.75"	2.87"	5.50"	2.70"	5.62 lbs	120
82-107-01	1 ½"	1.50"	2.62"	5.25"	3.37"	8.00"	3.03"	8.07 lbs	170
82-108-01	2"	2.00"	3.01"	6.03"	3.68"	8.00"	3.87"	14.42 lbs	376
82-109-01	2 ½"	2.50"	3.62"	7.25"	5.14"	9.75"	5.05"	26.61 lbs	510

options

option	component	size
(-P-01)	BSPP (parallel) thread connection	all
(-T-01)	BSPT (tapered) thread connection	all
(-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"
(-20)	slot vented ball	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	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"
(-40)	cyl-loc and grounded	¼" to ½"
(-45)	less lever & nut	all
(-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"
(-49)	no lubrication. assembled dry.	all
(-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 2 ½"
(-60)	static grounded ball & stem	all
(-62)	body center section only	all
(-63)	NPT x solder	⅜" to 2 ½"
(-92)	balancing stop	¼" to 2"
(-94)	(-04) option & balancing stop	¼" to 2"