

## data sheet

## 77VLF-100 series

## small diameter

press end forged ball valve ½" - 2" | lead-free



## description

The "Apollo"® 77VLF-100 series lead-free\* 2-piece press ball valve ½" to 2" is ideal for installation in most plumbing and heating systems, including potable water. now with Leak Before Press® feature and 300 psig maximum working pressure. Proudly manufactured in our South Carolina facilities.

\*lead-free: the wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

## size range

- ½" - 2"

## connections

- press

## configurations

- 77V series - standard
- 77VLF series - lead-free
- 77VLF-140 series - 316 ss ball & stem vented

## approvals

- MSS SP-110/MSS SP-145
- IAPMO/ANSI Z1157 ball valves
- IAPMO/ANSI/CAN Z1117
- Buy American Act (BAA)
- Build America Buy America (BABA) Act
- NSF/ANSI/CAN 61 water quality
- NSF/ANSI/CAN 372 lead-free
- EU directive 2015/863 (RoHS 3) compliant
- EU regulation (EC) 1907/2006 (REACH) compliant

"Apollo" Press



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

job name

job location

engineer

contractor

tag

PO#

rep

wholesaler dist

## features

- lead-free\* materials and approvals - ANSI 3rd party certified and listed
- full port flow
- superior RPTFE seats and packing
- adjustable stem packing
- Leak Before Press® technology
- blowout-proof stem
- corrosion resistant materials
- silicone free assembly
- 100% factory tested
- manufactured in the USA - BAA and BABA compliant

component	material
body	lead-free brass, ASTM C27451
retainer	lead-free brass, ASTM C27451
ball	brass, ASTM B16 or stainless steel, A276-316
seat (2)	RPTFE
stem	lead-free DZR brass, ASTM B927, C27451 (2 ½" - 3")
gland nut	brass ASTM B16, C36000
stem packing	RPTFE
handle	plated steel/insulated polyvinyl
stem nut	corrosion resistant plated steel
sealing element	EPDM

## performance rating

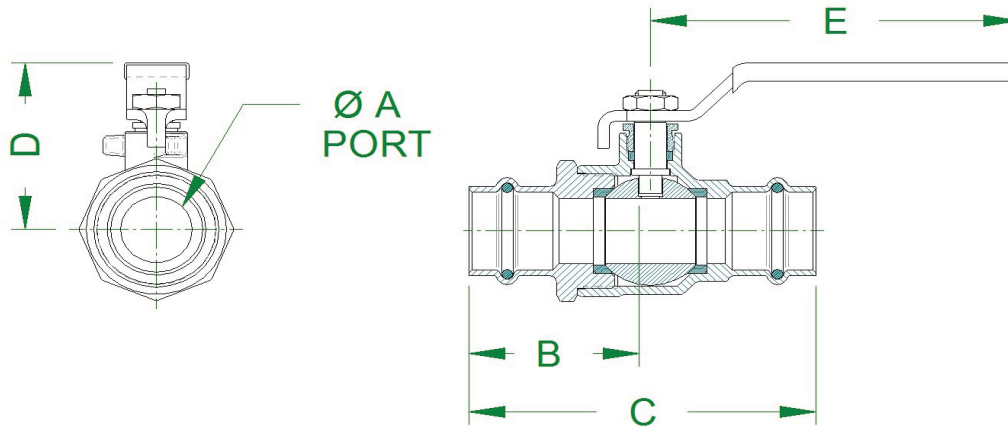
CWP	temperature
300 psig (maximum)	0°F - 250°F (maximum temperature)

\*\* "Apollo" Press® connectors are designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition, and soft copper tube up to 1 ¼" CTS. Not suitable for steam or flammable gas service.

## approved applications

- water including potable water
- hydronic heating (90% glycol max)
- low pressure steam, 15 psig max
- not suitable for flammable gas service

## data sheet



### dimensions

part number	size	a	b	c	d	e	weight
77VLF-103-01	½"	0.50"	1.57"	2.89"	1.66"	2.85"	0.40 lbs
77VLF-104-01	¾"	0.75"	1.90"	3.63"	1.91"	3.86"	0.90 lbs
77VLF-105-01	1"	1.00"	2.20"	3.88"	2.11"	3.86"	1.20 lbs
77VLF-106-01	1 ¼"	1.25"	2.23"	4.22"	2.44"	4.75"	2.30 lbs
77VLF-107-01	1 ½"	1.50"	2.84"	5.45"	2.91"	5.42"	3.40 lbs
77VLF-108-01	2"	2.00"	3.40"	6.57"	3.69"	7.77"	6.00 lbs

### options

option	component	size
(-01)	standard lever	all
(-04)	2 ¼" stem extension (carbon steel, zinc plated)	all
(-07)	steel tee handle	all
(-10)	stainless steel lever & nut	all
(-11)	Therma-Seal™ insulating tee handle	all
(-27)	ss latch-lock lever & nut	all