

## 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  $\frac{1}{2}$ " 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    connections    configurations

- ½" - 2"
  - press
  - 77V series - standard
  - 77VLF series - lead-free
  - 77VLF-140 series - 316 ss ball &

## approvals

- MSS SP-110/MSS SP-145 stem vented
  - 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

## 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 1/2" - 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
700 m/s (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 $\frac{1}{4}$  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

# "Apollo" Press



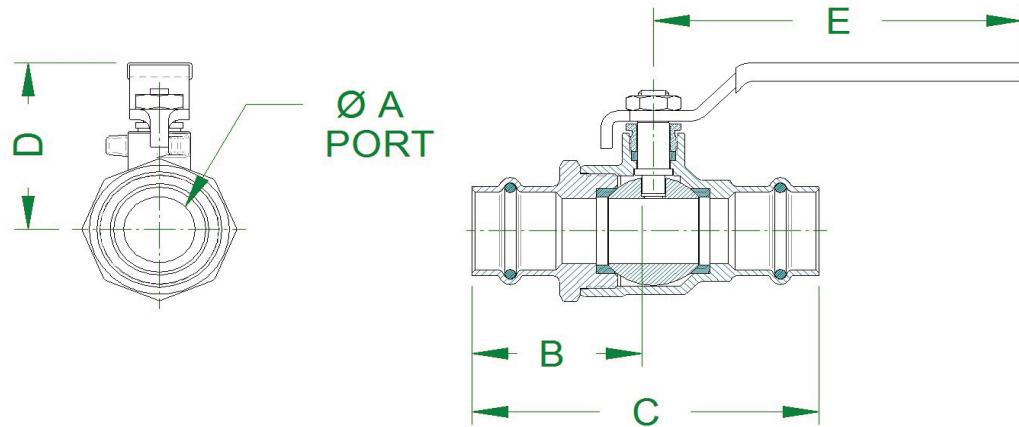
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Aalberts integrated piping systems

10715 Sikes Place / suite 200 / Charlotte / NC / 28277  
[aalberts-ips.us](mailto:aalberts-ips.us)

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

## 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