

data sheet

77VLF-100 series

large diameter

press end forged ball valve 2 1/2" - 4" | lead-free



description

The "Apollo"® 77VLF-100 series lead-free* 2-piece press ball valve 2 1/2" to 4" is ideal for installation in most plumbing and heating systems, including potable water. now with Leak Before Press® technology 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 |
| • 2 1/2" - 4" | • press | • 77V series - standard |
| approvals | | • 77VLF-140 series - 316 ss ball & stem vented |
| • MSS SP-110/MSS SP-145 | | |
| • NSF/ANSI 61 water quality | | |
| • NSF/ANSI 372 lead-free | | |
| • directive 2011/65/CE (RoHS) | | |
| • IAPMO/ANSI Z1157 ball valves (2 1/2" to 4") | | |
| • IAPMO/ANSI/CAN Z1117 | | |
| • EU directive 2015/863 (RoHS 3) compliant | | |
| • EU regulation (EC) 1907/2006 (REACH) compliant | | |

approved applications

- water - chilled, hot and potable: 0°F - 250°F
- hydronic heating (50% glycol max)
- low pressure steam, 15 psig max
- not suitable for flammable gas service
- designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition.

"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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features

- lead-free* materials and approvals - ANSI 3rd party certified and listed
- full port flow
- superior RPTFE seats and packing
- adjustable stem packing
- 316 SS vented ball + stem is standard
- Ridgid® XLC Press tool compatible (2 1/2" - 4")
- Leak Before Press® technology
- blowout-proof stem
- corrosion resistant materials
- silicone free assembly
- 100% factory tested
- manufactured in the USA - BAA and BABA

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

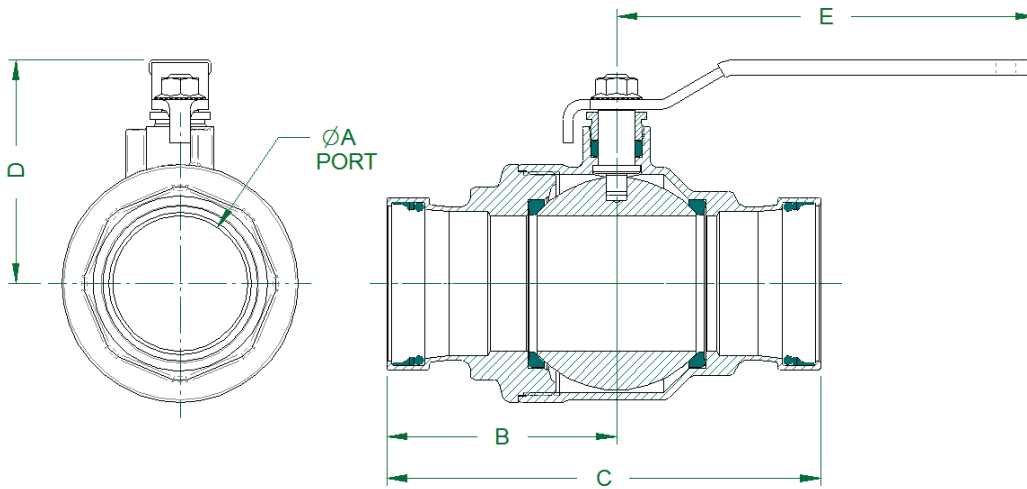
performance rating

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 1/4" CTS. Not suitable for steam or flammable gas service.

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

data sheet



dimensions

part number	size	a	b	c	d	e	weight
77VLF-149-01	2 ½"	2.50"	4.26"	8.04"	4.13"	7.77"	12.00 lbs
77VLF-140-01	3"	3.00"	5.10"	9.45"	5.03"	9.92"	19.50 lbs
77VLF-14A-01	4"	4.00"	5.20"	10.35"	5.70"	14.78"	26.00 lbs

options

option	component	size
(-01)	standard lever	all
(-04)	2 ¼" stem extension (carbon steel, zinc plated)	2 ½"
(-27)	ss latch-lock lever & nut	2 ½" - 3"
(-92)	memory stop	2 ½"
(-94)	2 ¼" extension with memory stop	2 ½"