

data sheet

77WLF-A series

press end bronze ball valve | lead-free



features

- lead-free* brass & bronze materials
- full-port flow
- adjustable stem packing
- fast, reliable, economical press installation
- Leak Before Press® technology
- corrosion resistant materials
- 100% factory tested
- manufactured in the USA - BABA and BAA compliant

description

The lead free* 77WLF-A ball valves incorporates "Apollo" Press® technology. The 77WLF-A is ideal for installation in most plumbing and heating systems including potable water. Now with Leak Before Press® technology and 300 psig maximum working pressure.

*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

- ½" - 2"
- press

configurations

- 77WLF-A series - lead-free option
- 77WLF-140-A series - ss vented ball and stem

approvals

- MSS SP-110/MSS SP-145 ball valves
- IAPMO/ANSI Z1157 ball valves
- IAPMO/ANSI/CAN Z1117
- 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
- Buy American Act (BAA)
- Build America Buy America (BABA) Act

component	material
body	lead-free bronze, ASTM B584, C89836
retainer	lead-free DZR brass, ASTM B927, C27451
ball	lead-free DZR brass, ASTM B927, C27451 or stainless steel, A276-316
seat	RPTFE
stem	lead-free DZR brass, ASTM B927, C27451
gland nut	brass, ASTM B16, C36000
stem packing	RPTFE
handle	plated steel/insulated poly vinyl
stem nut	zinc plated steel
sealing element	EPDM

performance rating**

CWP	temperature
300 psi	0°F - 250°F (range)

** "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. Press connectors are not suitable for flammable gas service.



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.

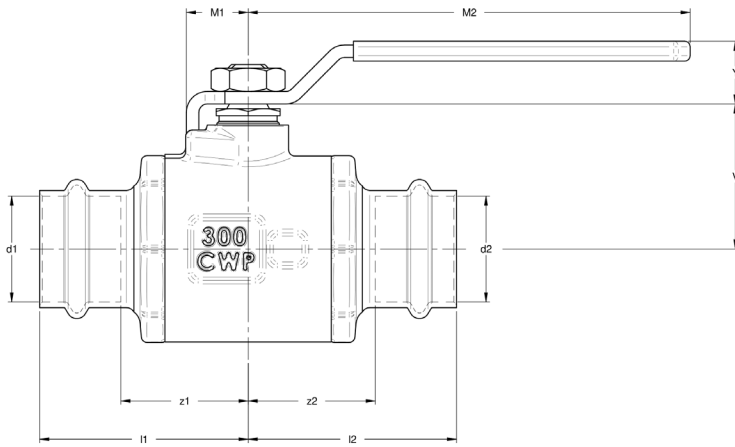
Aalberts integrated piping systems

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

data sheet



dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
77WLF-103-01A	½"	0.37"	0.63"	0.63"	1.58"	1.58"	0.82"	0.82"	0.55"	3.75"	1.05"	0.66"	0.52 lbs
77WLF-104-01A	¾"	0.37"	0.88"	0.88"	1.90"	1.90"	1.03"	1.03"	0.55"	3.75"	1.25"	0.66"	1.20 lbs
77WLF-105-01A	1"	0.50"	1.13"	1.13"	2.25"	2.25"	1.37"	1.37"	0.67"	4.63"	1.56"	0.68"	2.04 lbs
77WLF-106-01A	1 ¼"	0.68"	1.38"	1.38"	2.53"	2.53"	1.53"	1.53"	0.67"	4.63"	1.78"	0.68"	2.83 lbs
77WLF-107-01A	1 ½"	0.87"	1.63"	1.63"	2.86"	2.86"	1.42"	1.42"	0.98"	5.41"	2.19"	0.71"	4.54 lbs
77WLF-108-01A	2"	1.00"	2.13"	2.13"	3.40"	3.40"	1.84"	1.84"	1.00"	7.76"	2.77"	0.91"	7.54 lbs

options

option	component	size
(-04)	2 ¼" cs stem extension	½" - 2"
(-07)	steel tee handle	½" - 2"
(-10)	SS lever & nut	½" - 2"
(-11)	Therma-Seal™ insulating tee handle	½" - 2"
(-27)	locking handle	½" - 2"
(-50)	2 ¼" locking stem extension	½" - 2"
(-92)	balancing stop	½" - 2"
(-94)	2 ¼" stem extension & balancing stop	½" - 2"
(-HC)	press x ¾" hose with cap and chain	½" - ¾"
(77WLF-14x-A series)	ss vented ball & stem	½" - 2"