

data sheet

# 77WCLF series

copper press end bronze ball valve | lead free



### features

- lead-free\*/corrosion resistant materials
- easily identifiable blue lead free hang tag
- full-port flow
- adjustable stem packing
- fast, reliable, economical press installation
- Leak Before Press® technology
- 100% factory tested
- manufactured in the USA - BABA and BAA compliant

### description

The lead-free\* 77WCLF ball valve featuring "Apollo" Press® technology is ideal for installation in potable water systems requiring NSF 61 or lead-free\* approval. Includes Leak Before Press® technology and 300 psig maximum working pressure. The 77WCLF features copper retainers for maximum protection against corrosion and dezincification.

\*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

- 77WCLF series - lead-free option
- 77WCLF-HC series - lead-free option with hose cap

### 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

component	material
body	lead-free bronze, ASTM B584, C89836
retainer	copper (99.9%), C12200
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	alloy steel
sealing element	EPDM

### performance rating\*

CWP	SWP	temperature	vacuum service
300 psi	15 psi	0°F - 250°F	29.2 in. Hg

\* for types K, L, and M ASTM B88 compliant:  
 • hard copper tubing (sizes ½" - 2") | soft copper tubing (sizes ½" - 1 ¼")  
 • press connectors are not suitable for flammable gas service

### approved applications

- potable water (NSF/ANSI 61 & 372)
- hydronic heating (w/glycol)
- chilled water
- compressed air
- non-medical gases
- low pressure steam (15 psi max)
- vacuum (29.2 in. hg maximum at 68°F)



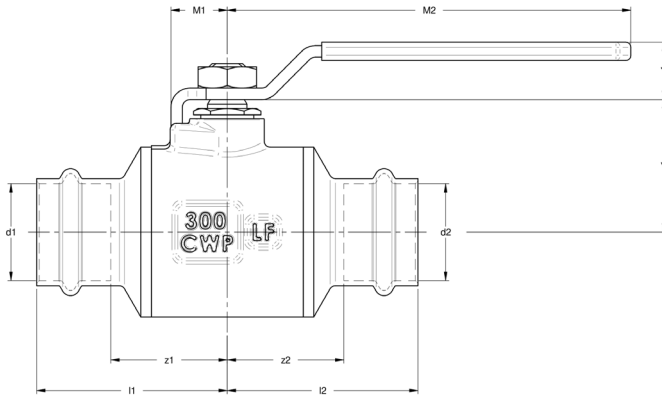
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### Aalberts integrated piping systems

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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
77WCLF-103-01	½"	0.37"	0.63"	0.63"	1.54"	1.54"	0.79"	0.79"	0.55"	3.75"	1.05"	0.66"	0.66 lbs
77WCLF-104-01	¾"	0.37"	0.88"	0.88"	1.91"	1.91"	1.03"	1.03"	0.55"	3.75"	1.25"	0.66"	1.15 lbs
77WCLF-105-01	1"	0.50"	1.13"	1.13"	2.25"	2.25"	1.38"	1.38"	0.67"	4.63"	1.56"	0.68"	2.12 lbs
77WCLF-106-01	1¼"	0.68"	1.38"	1.38"	2.59"	2.59"	1.34"	1.34"	0.67"	4.63"	1.78"	0.68"	3.13 lbs
77WCLF-107-01	1½"	0.87"	1.63"	1.63"	2.84"	2.84"	1.40"	1.40"	0.98"	5.41"	2.19"	0.71"	4.79 lbs
77WCLF-108-01	2"	1.00"	2.13"	2.13"	3.40"	3.40"	1.84"	1.84"	1.00"	7.76"	2.77"	0.91"	8.22 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"
(-92)	balancing stop	½" - 2"
(-94)	2 ¼" stem extension & balancing stop	½" - 2"
(77WCLF-140 series)	ss vented ball & stem	½" - 2"