

data sheet

77WCLF-HC series

copper press end bronze ball valve with press x hose connection | lead-free



description

The lead-free* 77WCLF-HC press x hose cap & chain ball valves incorporates "Apollo" Press® technology. Valves feature a 3/4" hose connection with heavy brass cap to protect the threads. The 77WCLF-HC is ideal for most plumbing and heating systems, including potable water. Now with Leak Before Press® technology and 300 psig maximum working pressure. The 77WCLF-HC features a cast bronze body and a copper press retainer 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 | connections | configurations |
| <ul style="list-style-type: none"> • 1/2" - 3/4" | <ul style="list-style-type: none"> • press x hose | <ul style="list-style-type: none"> • 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
- ANSI/ASME B1.20.7 hose thread
- 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

- press x 3/4" - 11.5 NH
- full port
- adjustable stem packing
- fast, reliable, economical press installation
- lead-free* brass & bronze materials
- heavy brass cap and stainless steel chain is
- full pressure rated
- easily identifiable blue "lead-free" hang tag
- Ridgid® "XL" press tool compatible
- Leak Before Press® technology
- manufactured in the USA - BABA and BAA compliant

component	material
body	lead-free bronze, ASTM B584, C89836
retainer	copper (99.9%), C12200
ball	lead-free DZR brass, ASTM B927, C27451, chrome plated, 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	corrosion resistant plated steel
sealing element	EPDM
hose retainer	lead-free DZR brass, ASTM B927, C27451
hose cap	brass, ASTM B16, C36000
ball chain	stainless steel

performance rating**

CWP	SWP	temperature	vacuum service
300 psi	15 psi	200°F (max temperature)	29.2 in. Hg

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

approved applications

- water including potable water
- hydronic heating (50% glycol max)
- not compatible with soft annealed copper tubing



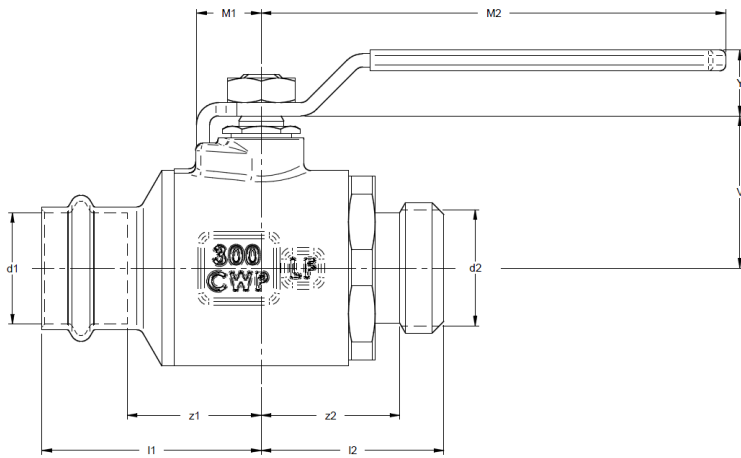
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Aalberts integrated piping systems

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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"	0.79 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"	1.25 lbs

options

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