



Valves

submittal sheet

# 77W-A series

press end bronze ball valve



Apollo Press



job name:	
job location:	
engineer:	
contractor:	
tag:	
po#:	
rep:	
wholesale dist.:	

## description

The Apollo Press® 77W-A Series ball valve is ideal for installation in heating, cooling and non-potable plumbing systems. Now with Leak Before Press® feature and 300 psig maximum working pressure. Proudly made in the USA.

## features

- heavy pattern cast dZR bronze body
- full-port flow
- adjustable stem packing
- fast, reliable, economical press installation
- Leak Before Press® Technology
- blowout-proof stem
- corrosion resistant materials
- 100% factory tested
- silicone free assembly
- made in USA, ARRA compliant

## performance rating†

- maximum operating pressure: 300 psi
- temperature range: 0°F - 250°F

†Apollo Press® connectors are designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition. Press connectors are not suitable for flammable gas service.

## approvals

- MSS SP-110 ball valves
- IAPMO/ANSI Z1157 ball valves
- IAPMO PS-117 press connections

## approved applications

- water, chilled and hot: 33° - 250°F
- hydronic heating (90% glycol max)
- low pressure steam, 15 psi max
- not suitable for flammable gas service
- not compatible with soft annealed copper tubing

not intended for potable water in usa

## options

- (-04) 2-1/4" stem extension
- (-07) tee-handle
- (-10) stainless steel handle and nut
- (-11) Therma-Seal™ insulating tee handle
- (-27) 304SS locking handle **NEW!**
- (-50) 2-1/4" locking extension
- (-92) standard lever with balancing stop
- (-94) 2-1/4" stem extension and balancing stop
- (-HC) Press x 3/4" hose w/ cap & chain (1/2" & 3/4")
- (77W-140 series) 316 SS Vented ball & stem
- (77WLF-A series) lead free (0.25% lead max)

## standard materials list

body	cast bronze C84400
retainer	brass, ASTM B16, C36000
ball	ASTM B16 brass, plated or B283, C37700
stem	brass, ASTM B16, C36000
gland nut	brass, ASTM B16, C36000
seats	RPTFE
stem packing	RPTFE
handle	plated steel/insulated polyvinyl
stem nut	corrosion resistant plated steel
sealing element	EPDM

## dimensions

part number	size (in.)	dimensions (in.)					wt. (lb.)
		A	B	C	D	E	
77W-10301-A	1/2"	0.5	1.5	3.01	1.71	3.86	0.62
77W-10401-A	3/4"	0.75	1.9	3.8	1.91	3.86	1.2
77W-10501-A	1"	1	2.25	4.49	2.13	4.76	2.04
77W-10601-A	1-1/4"	1.25	2.4	4.8	2.46	4.76	2.83
77W-10701-A	1-1/2"	1.5	2.86	5.72	2.9	5.41	4.54
77W-10801-A	2"	2	3.4	6.8	3.68	7.76	7.54

