

# 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 dqr 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
- (-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

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

