

data sheet

77W-A series
press end ball valve



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
- manufactured in the USA - BABA and BAA compliant

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.

size range

- ½” - 2”

connections

- press

configurations

- 77W-A series - standard
- 77WLF-A series - lead-free option

approvals

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

component	material
body	bronze, ASTM B584-C84400
retainer	brass ASTM B16, C36000
ball	stainless steel, ASTM A276-316 or brass, ASTM B16 C36000
seat	RPTFE
stem	brass, ASTM B16, C36000
gland nut	brass, ASTM B16, C36000
stem packing	RPTFE
handle	plated steel/insulated poly vinyl
stem nut	corrosion resistant plated steel
sealing element	EPDM

performance rating**

CWP	SWP	temperature	vacuum service
300 psi	15 psi	0°F - 250°F	29 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 ¼” CTS. Press connectors are not suitable for flammable gas service.

approved applications

- water, chilled and hot: 33°F - 250°F
- hydronic heating (50% 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



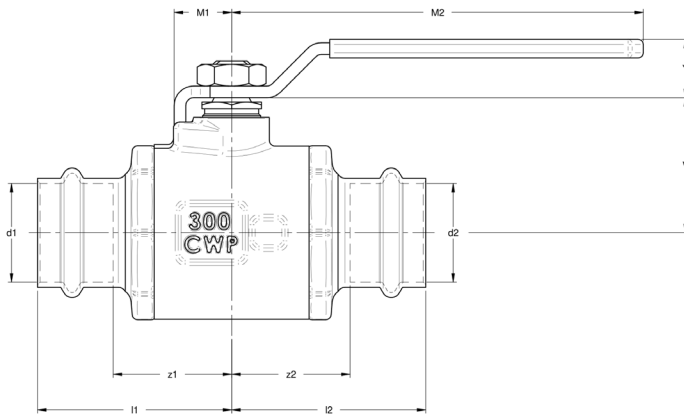
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Aalberts integrated piping systems

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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
77W-10301-A	½"	0.37"	0.63"	0.63"	1.58"	1.58"	0.82"	0.82"	0.55"	3.75"	1.05"	0.66"	0.55 lbs
77W-10401-A	¾"	0.37"	0.88"	0.88"	1.90"	1.90"	1.03"	1.03"	0.55"	3.75"	1.25"	0.66"	0.56 lbs
77W-10501-A	1"	0.50"	1.13"	1.13"	2.25"	2.25"	1.37"	1.37"	0.67"	4.63"	1.56"	0.68"	0.63 lbs
77W-10601-A	1 ¼"	0.68"	1.38"	1.38"	2.53"	2.53"	1.53"	1.53"	0.67"	4.63"	1.78"	2.93"	1.3 lbs
77W-10701-A	1 ½"	0.87"	1.63"	1.63"	2.86"	2.86"	1.42"	1.42"	0.98"	5.41"	2.19"	2.96"	1.72 lbs
77W-10801-A	2"	1.00"	2.13"	2.13"	3.4"	3.4"	1.84"	1.84"	1.00"	7.76"	2.77"	0.91"	3.26 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)	ss latch-lock lever & nut	½" - 2"
(-50)	2 ¼" CS locking stem extension	½" - 2"
(-92)	balancing stop	½" - 2"
(-94)	2 ¼" stem extension & balancing stop	½" - 2"
(-HC)	hose thread w/ cap & chain	½" - 2"
(77W-140 series)	316 SS vented ball & stem	½" - 2"
(77WLF-A series)	lead free (0.25% lead max)	½" - 2"