

data sheet

77W-HCA series

press end ball valve



features

- press x 3/4" - 11.5 nh
- full port
- adjustable stem packing
- fast, reliable, economical press installation
- Leak Before Press® technology
- dezincification resistant bronze body
- heavy brass cap and stainless steel chain is full pressure rated
- 100% factory tested
- manufactured in the USA - BABA and BAA compliant

description

The "Apollo" Press® 77W-HCA Series press x hose ball valve is designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition for sizes 1/2" - 3/4". Valves feature a 3/4" hose connection with heavy brass cap with heavy duty stainless steel chain to protect the threads. The 77W-HCA is ideal for most plumbing and heating systems, including potable water. Now with Leak Before Press® feature and 300 psig maximum working pressure.

size range

- 1/2" - 3/4"

connections

- press x hose

configurations

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

approvals

- MSS SP-110 ball valves
- directive 2011/65/CE (RoHS)
- ANSI/ASME B1.20.7 hose thread
- IAPMO/ANSI Z1157
- IAPMO/ANSI/CAN Z1117
- Buy American Act (BAA)
- Build America Buy America (BABA) Act

component	material
body	cast bronze, C83600
retainer	brass ASTM B16, C36000
ball	stainless steel, ASTM A276-316 or brass, ASTM B16 C36000
seat	multi-fill PTFE
stem	brass, ASTM B16, C36000
gland	brass, ASTM B16, C36000
stem packing	multi-fill PTFE
handle	plated steel/insulated poly vinyl
nut	corrosion resistant plated steel
sealing element	EPDM
cap	brass ASTM B16, C36000

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 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



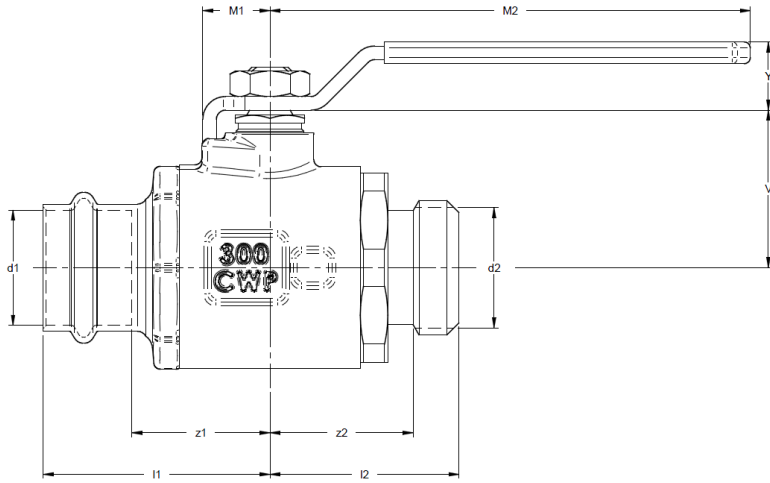
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Aalberts integrated piping systems

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job name	
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data sheet



dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
77W-103-HCA	½"	0.37"	0.63"	0.63"	1.58"	1.58"	0.82"	0.82"	0.55"	3.75"	1.05"	0.66"	0.62 lbs
77W-104-HCA	¾"	0.37"	0.88"	0.88"	1.90"	1.90"	1.03"	1.03"	0.55"	3.75"	1.25"	0.66"	1.20 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"
(-92)	balancing stop	½" - ¾"
(-94)	2 ¼" stem extension & balancing stop	½" - ¾"
(77WLF-140-HC series)	316 ss ball & stem	½" - ¾"
(77WLF-HC series)	lead free (0.25% lead max)	½" - ¾"
(77W-HC-PR-LFseries)	lead free Apollo Press®	½" - ¾"