

77V Series Press End Forged Ball Valve | Small Diameter 1/2" - 2"



"Apollo" PRESS	
WARRANTY	
c e	

Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

The **APOLLOPRESS*** 77V Series two-piece press ball valve is ideal for installation in heating, cooling and non-potable plumbing. Features Leak Before Press* technology and 300 psig maximum working pressure. Proudly Made in the USA.

FEATURES

- 2 piece, heavy pattern forged design
- Full-Port Flow
- Superior RPTFE Seats and Packing
- Adjustable Stem Packing
- Ridgid[®] XL Press Tool Compatible (1/2" 2")
- Leak Before Press[®] Technology
- Blowout-Proof Stem
- Corrosion Resistant Materials
- Silicone Free Assembly
- 100% Factory Tested
- Made in USA, ARRA Compliant

PERFORMANCE RATING⁺

- Maximum Operating Pressure: 300 psi
- Temperature Range: 0°F 250°F

APOLLOPRESS 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 steam or flammable gas service.

APPROVALS

- MSS SP-110 Ball Valves
- Directive 2011/65/CE (RoHS) Compliant
- IAPMO/ANSI Z1157 Ball Valves (1/2"-2")

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

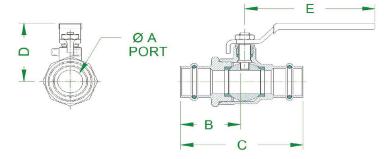
- (-01) Standard Lever Handle
- (-04) 2-1/4" Stem Extension (1/2" 2-1/2")
- (-07) Tee Handle
- (-11) Therma-Seal[™] Insulating Tee Handle
- (-27) Locking Handle SS (1/2" 2-1/2")
- 77V140 Series SS Ball & Stem
- 77V Large Diameter (2-1/2" 4")
- (77VLF Series) Lead Free (0.25% Lead Max)

STANDARD MATERIALS LIST

BODY	Forged Brass, C37700				
SEAT	RPTFE				
BALL	Brass, ASTM B16, C36000 or B283, C37700 Chrome Plated				
STEM PACKING	RPTFE				
NUT	Corrosion Resistant Plated Steel				
STEM	Forged Brass, C37700				
RETAINER	Forged Brass, C37700				
HANDLE	Plated Steel / Insulated Polyvinyl				
GLAND	Brass, ASTM B16, C36000				
O-RING SEALS	EPDM				
CRIMP RING	316 SS				
SPACER RING	Nylon				



MODEL	SIZE	DIMENSIONS (IN.)					WT.
NUMBER	NUMBER (IN.)	Α	В	с	D	Е	(LB.)
77V-103-01	1/2"	0.50	1.57	2.89	1.66	2.85	0.4
77V-104-01	3/4"	0.75	1.90	3.63	1.91	3.86	0.9
77V-105-01	1″	1.00	2.20	3.88	2.11	3.86	1.2
77V-106-01	1-1/4″	1.25	2.23	4.22	2.44	4.75	2.3
77V-107-01	1-1/2"	1.50	2.84	5.45	2.91	5.42	3.4
77V-108-01	2″	2.00	3.40	6.57	3.69	7.77	6.0



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