

# 77V Series

Press End Forged Ball Valve  
Large Diameter 2-1/2" - 4"

## SUBMITTAL SHEET

"Apollo" Flow Controls



"Apollo" PRESS



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

### DESCRIPTION

The APOLLOPRESS® 77V Series ball valve is ideal for installation in heating, cooling and non-potable plumbing. Features Leak Before Press® technology and 250 psig maximum working pressure. Proudly made in the USA.

### FEATURES

- 2 piece, heavy pattern forged design
- Full-Port Flow
- Adjustable Stem Packing
- Fast, Reliable, Economical Press Installation
- Ridgid® XLC Press Tool Compatible (2-1/2" - 4")
- Leak Before Press® Technology
- Blowout Proof Stem
- Corrosion Resistant Materials
- Silicone Free Assembly
- 100% Factory Tested
- 316 SS Ball and Stem Option (77V-140)
- Made in USA, ARRA Compliant

### APPROVALS

- MSS SP-110 Ball Valves
- Directive 2011/65/CE (RoHS)
- IAPMO IGC-157 Ball Valves (2-1/2"-4")

### 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**

### STANDARD MATERIALS LIST

Body	Forged Brass, C37700
Seat	RPTFE
Ball	Brass, B16, Chrome Plated
Stem Packing	RPTFE
Nut	Corrosion Resistant Plated Steel
Stem	Brass, B16
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

### PERFORMANCE RATING†

- Maximum Operating Pressure: 250 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.

### DIMENSIONS

MODEL NUMBER	SIZE (IN.)	DIMENSIONS (IN.)					WT. (LB.)
		A	B	C	D	E	
77V-109-01	2-1/2"	2.50	4.26	8.04	4.13	7.77	12.0
77V-100-01	3"	3.00	5.10	9.45	5.03	9.92	19.5
77V-10A-01	4"	4.00	5.20	10.35	5.70	14.78	26.0

