

# 'Apollo' Valves

## SUBMITTAL SHEET

### 77W Series

APOLLOXPRESS® Press End Bronze Ball Valve

**APOLLOXPRESS®**



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO Number:	
Representative:	
Wholesale Distributor:	



### DESCRIPTION

The APOLLOXPRESS® 77W Series Ball valve is ideal for installation in heating, cooling and non-potable plumbing. Now with Leak Before Press® feature and 250 psig maximum working pressure.

### FEATURES

- Heavy pattern cast bronze body
- Full-Port Flow
- Adjustable Stem Packing
- Fast, Reliable, Economical Press Installation
- Ridgid® XL Press Tool Compatible
- Leak Before Press® Technology
- Blow-Out Proof Stem
- Corrosion Resistant Materials
- 100% Factory Tested
- Silicone Free
- **Made in USA, ARRA Compliant**

### PERFORMANCE RATING<sup>†</sup>

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

<sup>†</sup>APOLLOXPRESS® 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.

### 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**

### OPTIONS

- (-04) 2 1/4" Stem Extension
- (-07) Tee-Handle
- (-10) Stainless Steel Handle and Nut
- (-11) Thermo-Seal™ Insulating Tee 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) S.S. Ball and Stem
- (77WLF Series) Lead Free (0.25% Lead Max)

### STANDARD MATERIALS LIST

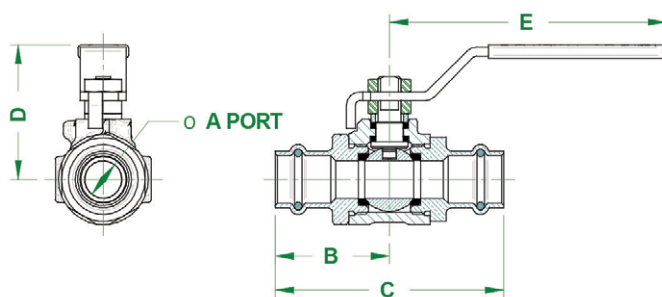
Part Name	Material
Body	Cast Bronze C89836
Seat	Multi-Fill PTFE
Ball	ASTM B16 Brass, plated or B283, C37700
Stem Packing	Multi-Fill PTFE
Nut	Corrosion Resistant Plated Steel
Stem	Brass, ASTM B16, UNS# C36000
Retainer	Brass, ASTM B16, UNS# C36000
Handle	Plated Steel/Insulated Polyvinyl
Gland	Brass, ASTM B16, UNS# C36000
O-Ring Seals	EPDM

### APPROVALS

- MSS SP-110 Ball Valves
- Directive 2011/65/CE (RoHS)

### DIMENSIONS

Model Number	Size (in.)	Dimensions (in.)					Wt. (lbs.)
		A	B	C	D	E	
77W-103-01	1/2"	0.50	1.54	3.08	1.50	3.74	0.6
77W-104-01	3/4"	0.75	1.78	3.55	2.01	4.78	1.1
77W-105-01	1"	1.00	2.12	4.24	2.20	4.78	1.8
77W-106-01	1-1/4"	1.25	2.61	5.22	3.13	7.04	4.3
77W-107-01	1-1/2"	1.50	2.96	5.92	3.10	7.04	4.6
77W-108-01	2"	2.00	3.74	7.47	3.48	7.04	8.2



Apollo Valves, Manufactured by **Conbraco Industries, Inc.**  
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