# 77C-A Series

2 Piece Full Port Bronze Ball Valve





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

#### **DESCRIPTION**

The Apollo\* 77C-A "Contractor Series" Ball Valve features a dezincification resistant bronze body, premium RPTFE seats and stem packing and a "Solid Ball" design that delivers true full-port flow performance. Cast and machined in Apollo's South Carolina manufacturing plants using proven ASTM materials. Not for use with potable water systems in USA.

### **FEATURES**

- · RPTFE Seats & Seals
- Blowout-Proof Stem Design
- · Adjustable Stem Packing
- Full-Port "Solid Ball" Design
- 100% Factory Tested
- 100% MADE IN THE USA

# **APPROVALS**

- MSS SP-110 Compliant
- CRN: OC10908.5C
- IAPMO/ANSI Z1157-2014e1

## **PERFORMANCE RATING**

- Max Pressure: 600 psi CWP | 150 psi SWP
- Max Temperature: 450°F
- · Vacuum service to 29 in. Hg

### **MODELS**

- (77C-140 & 77C-240 Series) SS Vented Ball and Stem
- (77CLF) Lead Free 0.25% max; ANSI 3rd Party Certified
- (77C-ULA) UL258 Fire Protection Trim & Drain NPT & Solder to 2"
- (77G-UL) CSA & UL Gas Listed NPT 1/2" 1"

### **OPTIONS**

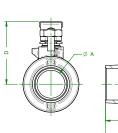
- · (-01) Standard Lever and Trim
- (-04) 2-1/4" Stem Extension
- (-07) Tee Handle
- (-10) S.S. Handle and Nut
- (-11) Therma-Seal™ Insulating Tee
- (-27) Locking Handle
- (-50) 2-1/4" Locking Stem Extension
- (-92) Balancing Stop
- (-94) 2-1/4" Stem Extension and Balancing Stop
- 77C140/240 Series 316 SS Vented Ball and Stem

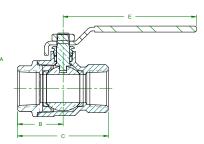
### STANDARD MATERIALS LIST

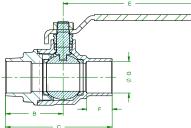
GLAND NUT	ASTM B16 Brass						
NUT	Zinc Plated Steel						
PACKING	RPTFE						
SEATS	RPTFE						
STEM	ASTM B16 Brass						
BALL	ASTM B16 Brass Chrome Plated or B283, C37700 Chrome Plated						
RETAINER	B584 Bronze or B283, C37700						
BODY	B584 Bronze						
HANDLE	Zinc Plated Steel/Vinyl						

### **DIMENSIONS**

DARTNO	SIZE	DIMENSIONS (IN.)							WT. *	
PART NO.	(IN.)	Α	В	С	D	Е	F	G	C <sub>v</sub>	(LB.)
				NP.	Т					
77C-101-01A	1/4"	0.37	0.88	1.8	1.65	2.82	-	-	5	0.6
77C-102-01A	3/8"	0.37	0.94	1.86	1.65	2.82	-	-	7	0.6
77C-103-01A	1/2"	0.50	1.15	2.29	1.79	3.82	-	-	16	0.6
77C-104-01A	3/4"	0.75	1.34	2.67	1.91	3.82	-	-	36	1.0
77C-105-01A	1"	1.00	1.63	3.24	2.24	4.72	-	-	68	1.8
77C-106-01A	1-1/4"	1.25	1.9	3.75	2.46	4.72	-	-	125	4.2
77C-107-01A	1-1/2"	1.50	2.06	4.11	2.9	5.37	-	-	177	4.6
77C-108-01A	2"	2.00	2.43	4.85	3.68	7.72	-	-	389	7.9
77C-109-01A	2-1/2"	2.50	3.03	6.02	4.13	7.72	-	-	503	16.4
				SOLD	ER					
77C-202-01A	3/8"	0.37	1.24	2.17	1.65	2.82	0.41	0.50	7	0.6
77C-203-01A	1/2"	0.50	1.36	2.47	1.79	3.82	0.50	0.63	16	0.6
77C-204-01A	3/4"	0.75	1.73	3.20	1.91	3.82	0.75	0.88	36	1.0
77C-205-01A	1"	1.00	2.06	3.81	2.24	4.72	0.91	1.13	68	1.5
77C-206-01A	1-1/4"	1.25	2.22	4.21	2.46	4.72	0.97	1.38	125	3.9
77C-207-01A	1-1/2"	1.50	2.53	4.90	2.9	5.37	1.09	1.63	177	5.9
77C-208-01A	2"	2.00	3.15	6.07	3.68	7.72	1.34	2.13	389	7.5
77C-209-01A	2-1/2"	2.50	3.78	7.17	4.13	7.72	1.48	2.63	503	14.5









<sup>\*</sup>Weights based on Standard Configuration