

# 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
- **MADE IN THE USA**

## APPROVALS

- MSS SP-110 Ball Valves
- IAPMO/ANSI Z1157 Ball Valves
- CRN: 0C10908.5C

## 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 - UL 258 Fire Protection Trim & Drain, Guide VQGU) - 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
- (-94) 2-1/4” Stem Extension and Balancing Stop
- 77C140/240 Series - 316 SS Vented Ball and Stem

## STANDARD MATERIALS LIST

<b>BODY</b>	B584 Bronze C84400
<b>RETAINER</b>	B584 Bronze or B283, C37700
<b>BALL</b>	ASTM B16 Brass Chrome Plated or B283, C37700 Chrome Plated
<b>STEM</b>	ASTM B16 Brass
<b>GLAND NUT</b>	ASTM B16 Brass
<b>SEATS</b>	RPTFE
<b>STEM PACKING</b>	RPTFE
<b>HANDLE</b>	Zinc Plated Steel/Vinyl
<b>STEM NUT</b>	Zinc Plated Steel

## DIMENSIONS

PART NO.	SIZE (IN.)	DIMENSIONS (IN.)							C <sub>v</sub>	WT. * (LB.)
		A	B	C	D	E	F	G		
<b>NPT</b>										
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
<b>SOLDER</b>										
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

\*Weights based on Standard Configuration

