

77C-A Series

2 Piece Full Port
Bronze Ball Valve

SUBMITTAL SHEET

"Apollo" Valves



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.

FEATURES

- RPTFE Seats & Seals
- Blow-out 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 R&T / UPC - IGC Z1157

MODELS

- (77C-140 & 77C-240 Series) S.S. Vented Ball and Stem
- (77CLF) Lead Free 0.25% max; ANSI 3rd Party Certified

OPTIONS

- (-01) Standard Lever and Trim
- (-04) 2 1/2" Stem Extension
- (-07) Tee Handle
- (-10) S.S. Handle and Nut
- (-11) Therma-Seal™ Insulating Tee
- (-27) Locking Handle
- (-50) 2 1/2" Locking Stem Extension
- (-94) 2 1/2" Stem Extension and Balancing Stop

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

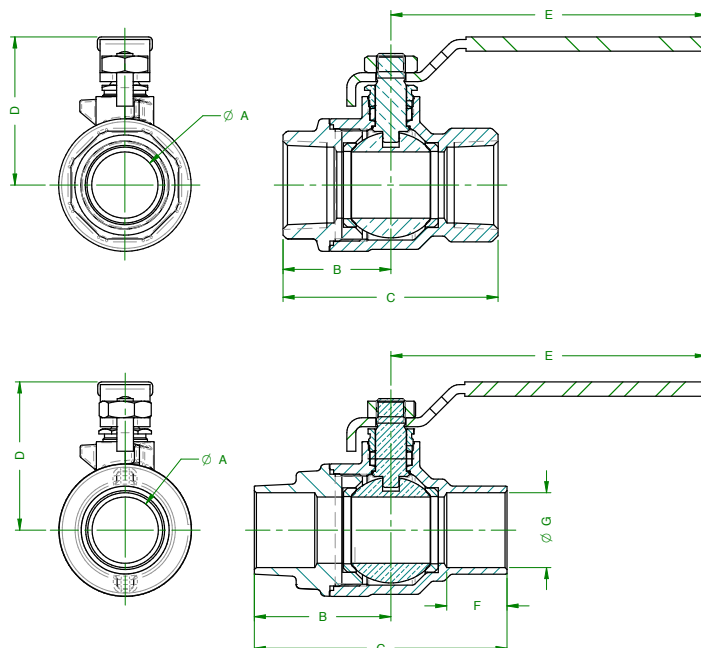
PERFORMANCE RATING

- Maximum Pressure: 600 psi CWP, 150 psi SWP
- Maximum Temperature: 450°F
- Vacuum service to 29 in. Hg

DIMENSIONS

PART NO.	SIZE (IN.)	DIMENSIONS (IN.)							C _v	WT. * (LBS.)
		A	B	C	D	E	F	G		
NPT										
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	0.5
77C-103-01A	1/2"	0.50	1.15	2.29	1.79	3.82	-	-	16	0.96
77C-104-01A	3/4"	0.75	1.34	2.67	1.91	3.82	-	-	36	1.34
77C-105-01A	1"	1.00	1.63	3.24	2.24	4.72	-	-	68	2.36
77C-106-01A	1-1/4"	1.25	1.9	3.75	2.46	4.72	-	-	125	5.07
77C-107-01A	1-1/2"	1.50	2.06	4.11	2.9	5.37	-	-	177	4.96
77C-108-01A	2"	2.00	2.43	4.85	3.68	7.72	-	-	389	10.06
77C-109-01A	2-1/2"	2.50	3.03	6.02	4.13	7.72	-	-	503	16.2
SOLDER										
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	1.6
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	4.3
77C-208-01A	2"	2.00	3.15	6.07	3.68	7.72	1.34	2.13	389	7.6
77C-209-01A	2-1/2"	2.50	3.78	7.17	4.13	7.72	1.48	2.63	503	15.9

*Weights based on Standard Configuration



Customer Service (704) 841-6000
www.apollovalves.com

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