



77C SERIES

Bronze Full Port Ball Valve

Job Name:	Contractor:
Job Location:	P.O. Number:
Engineer:	Representative:
Tag:	Wholesale Distributor:

DESCRIPTION

The Apollo® 77C "Contractor Series" ball valve features dezincification resistant bronze body, premium "multi-fill" MPTFE 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 utilizing proven ASTM materials.

FEATURES

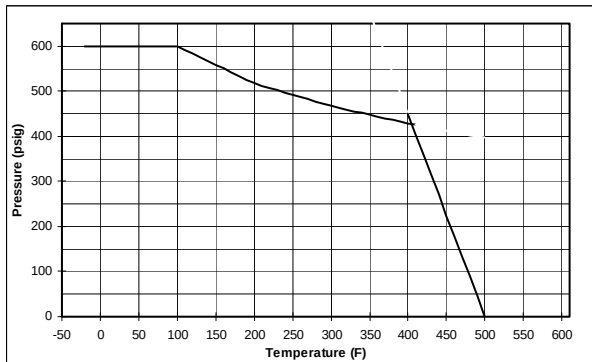
Multi-Fill PTFE Seats & Seals
Blow-out Proof Stem Design
Adjustable Stem Packing
Full-Port "Solid Ball" Design
100% Factory Tested

APPROVALS

MSS SP-110 Compliant
CRN: OC10908.5C

PERFORMANCE RATING

Maximum Pressure: 600 psi CWP, 150 psi SWP
Maximum Temperature: 500°F
Vacuum service to 29 in. Hg



STANDARD MATERIAL

Part Name	Material
Gland	ASTM B16 Brass
Nut	Zinc Plated Steel
Packing	MPTFE
Seat	MPTFE
Stem	ASTM B16 Brass
Ball	ASTM B16 Brass Chr Plt
Retainer	B584 Bronze or B16 Brass
Body	B584 Bronze
Handle	Zinc Plated Steel/Vinyl



OPTIONS (For 1/4" to 2")

- ☐ (-A1) Oxygen Clean
- ☐ (-A3) Plain Grip
- ☐ (-01) Standard
- ☐ (-04) 2 1/4" Stem Extension
- ☐ (-07) Tee Handle
- ☐ (-10) S.S. Handle and Nut
- ☐ (-27) Locking Handle
- ☐ (-47) Oval Locking Handle
- ☐ (-94) 2 1/4" Stem Extension and Balancing Stop
- ☐ (77C-140 SERIES) S.S. Ball and Stem
- ☐ (77C-150 SERIES) Balancing Stop

DIMENSIONS

Model Number	Size (in.)	Dimensions (in.)					Cv	Wt.*** (lbs.)
		A	B	C	D	E		
NPT								
77C-101-01	1/4"	0.37	0.95	1.97	1.76	3.74	5	0.6
77C-102-01	3/8"	0.37	1.07	2.09	1.76	3.74	7	0.5
77C-103-01	1/2"	0.50	1.15	2.25	1.79	3.74	16	0.6
77C-104-01	3/4"	0.75	1.32	2.65	2.00	4.88	36	1.0
77C-105-01	1"	1.00	1.53	3.07	2.19	4.88	68	1.8
77C-106-01	1 1/4"	1.25	2.04	4.08	3.13	7.06	125	4.4
77C-107-01	1 1/2"	1.50	2.12	4.23	3.29	7.06	177	4.6
77C-108-01	2"	2.00	2.43	4.85	3.83	7.06	389	8.1
77C-109-01	2 1/2"	2.50	3.12	6.37	4.51	8.06	503	16.2
SOLDER								
77C-202-01	3/8"	0.37	1.30	2.21	1.76	3.74	7	0.6
77C-203-01	1/2"	0.50	1.41	2.58	1.79	3.74	16	0.6
77C-204-01	3/4"	0.75	1.64	3.03	2.00	4.88	36	1.0
77C-205-01	1"	1.00	1.92	3.61	2.19	4.88	68	1.6
77C-206-01	1 1/4"	1.25	2.36	4.44	3.13	7.06	125	3.9
77C-207-01	1 1/2"	1.50	2.63	4.89	3.29	7.06	177	4.3
77C-208-01	2"	2.00	3.17	6.06	3.83	7.06	389	7.6
77C-209-01	2 1/2"	2.50	3.77	7.14	4.51	8.06	503	15.9

*** Weights based on Standard Configuration

