



77B-100 SERIES

Full Port Ball Valve w/ Side Port

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

DESCRIPTION

The Apollo® 77B Series features a side tapped port and a solid ball design for real full-port performance with proven ASTM materials and 100% US manufacturing.

FEATURES

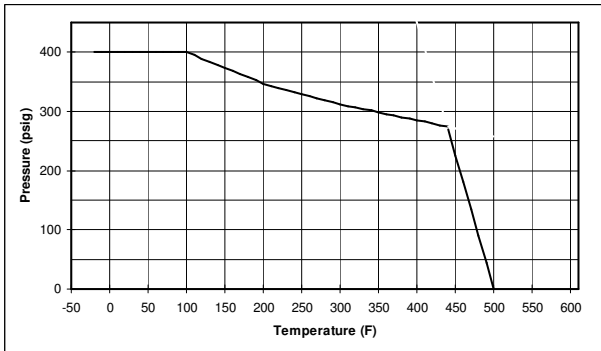
- Multi-Fill PTFE Seats & Seals
- Blow-out Proof Stem Design
- Adjustable Stem Packing
- Full-Port "Solid Ball" Design
- 100% Factory Tested

APPROVALS

- MSS SP-110 Compliant

PERFORMANCE RATING

- Maximum Pressure: 400 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	Stainless Steel
Packing	MPTFE
Seat	MPTFE
Stem	ASTM B16 Brass
Ball	ASTM B16 Brass Chr Plt
Retainer	B584 Bronze*
Body	B584 Bronze
Handle	Zinc Plated Steel/Vinyl

*1/2" ASTM B505

DIMENSIONS

Model Number	Size (in.)	Dimensions (in.)								Cv	Wt.*** (lbs.)	Carton Qty.
		A	B	C	D	E	F	G	H			
NPT												
77B-103-01	1/2"	0.50	1.29	2.44	1.79	3.74	0.85	0.70	1/8 NPT	15.5	0.66	10
77B-104-01	3/4"	0.75	1.48	2.81	2.00	4.78	1.00	0.80	1/8 NPT	35.6	1.19	10
77B-105-01	1"	1.00	1.66	3.20	2.19	4.78	1.15	0.88	1/8 NPT	68.1	1.83	5
77B-106-01	1 1/4"	1.25	2.04	4.08	3.10	7.06	1.50	1.17	1/4 NPT	125.0	4.38	6
77B-107-01	1 1/2"	1.50	2.12	4.23	3.09	7.06	1.60	1.38	1/4 NPT	177.0	5.85	6
77B-108-01	2"	2.00	2.42	4.85	3.45	7.06	2.00	1.56	1/4 NPT	389.0	11.43	5

*** Weights based on Standard Configuration

OPTIONS (For 1/2" to 2")

- (-01) Standard
- (-04) 2 1/4" Stem Extension
- (-07) T- Handle
- (-10) S.S. Lever & Nut
- (-27) Locking Handle
- (-31) Boss Not Drilled & Tapped
- (-47) Oval Locking Handle
- (-83) S.S. T-Handle
- (-84) Reverse S.S. Lever (1-1/4" - 2")
- (-85) Short S.S. T-Handle (1/2")
- (-94) 2 1/4" Stem Extension and Balancing Stop
- (77B-140 SERIES) S.S. Ball and Stem

