



77-100 SERIES

Full Port With Mounting Pad

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

DESCRIPTION

The Apollo® 77 Series is a Full Port, Two-Piece, Bronze, Ball Valve with mounting pad.

FEATURES

- Adjustable Packing
- Blow-Out Proof Stem Design
- RPTFE Seats and Stuffing Box Ring
- Hardened Ball for wear resistance
- Mounting Pad for easy Actuator Mounting

PERFORMANCE RATING

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

MODELS

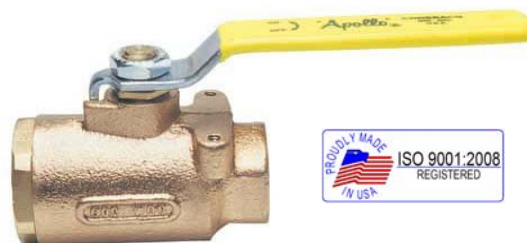
☐ 77-100 Series	Standard
☐ 77-140 Series	316 SS Ball & Stem
☐ 77-150 Series	Balancing Stop
☐ 77-190 Series	Locked Retainer

STANDARD MATERIALS LIST

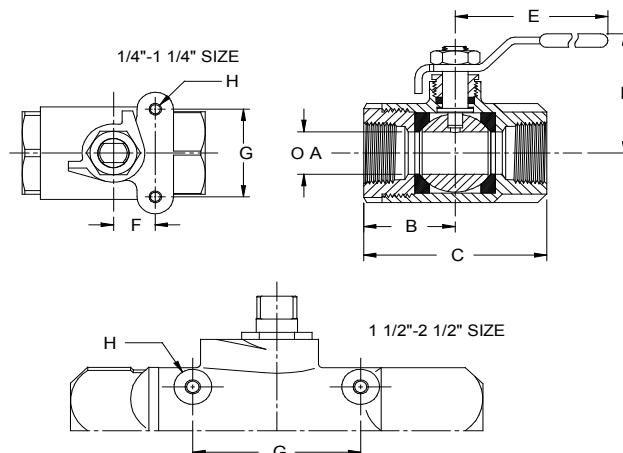
Part Name	Material
Lever and Grip	Steel, Zinc Plated w/ Vinyl
Stem Packing	RPTFE
Stem Bearing	RPTFE
Ball	B16, Chrome Plated
Seat (2)	RPTFE
Retainer	B16 (3/4" to 1"), B584-C84400 (1 1/4" to 2 1/2")
Gland Nut	B16
Stem	B16
Lever Nut	Steel, Zinc Plated
Body Seal (1 1/4" to 2 1/2")	PTFE
Body	B584-C84400

APPROVALS

- MSS SP-110; Ball Valves, Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends
- Federal Specification: WW-V-35C, Type: II, Composition: BZ, Style: 3
- CRN: OC10908.5C



DIMENSIONS



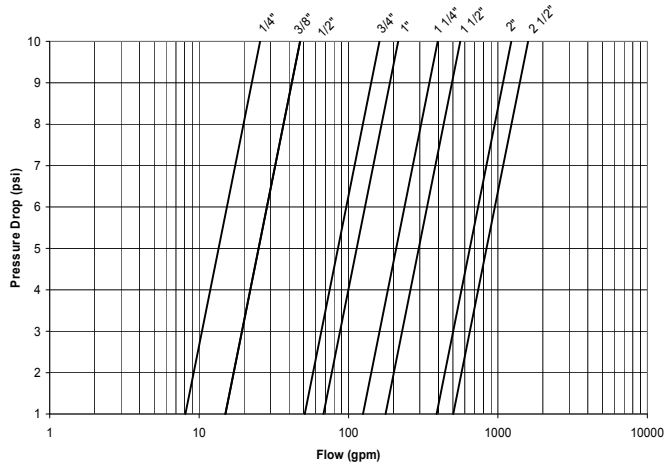
Model Number	Size (in.)	Dimensions							
		A	B	C	D	E	F	G	H
77-101	1/4"	0.43	1.12	2.25	1.81	3.87	0.50	1.12	10-24 NC
77-102	3/8"	0.50	1.12	2.25	1.81	3.87	0.50	1.12	10-24 NC
77-103	1/2"	0.50	1.12	2.25	1.81	3.87	0.50	1.12	10-24 NC
77-104	3/4"	0.81	1.56	3.12	2.12	4.87	0.87	1.37	10-24 NC
77-105	1"	1.00	1.81	3.62	2.62	5.50	0.93	1.50	1/4-20 NC
77-106	1 1/4"	1.25	2.12	4.25	2.87	5.50	0.93	1.50	1/4-20 NC
77-107	1 1/2"	1.50	2.37	4.75	3.34	8.00	2.08	3.06	5/16-24 NF
77-108	2"	2.00	2.65	5.37	3.71	8.00	2.41	3.52	5/16-24 NF
77-109	2 1/2"	2.50	3.25	6.50	4.12	8.00	2.75	3.37	1/4-20 NC



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FLOW CHARACTERISTICS



OPTIONS & SIZES

☐ (-02) Stem Grounded	1/4" - 2 1/2"
☐ (-03) 1 1/4" CS Stem Extension	1/4" - 2 1/2"
☐ (-04) 2 1/4" CS Stem Extension	1/4" - 2 1/2"
☐ (-05) Plain Ball	1/4" - 2 1/2"
☐ (-07) Steel Tee Handle	1/4" - 1 1/2"
☐ (-08) 90° Reversed Stem	1/4" - 2 1/2"
☐ (-10) SS Lever & Nut	1/4" - 2 1/2"
☐ (-14) Side Vented Ball (Uni-Directional)	1/4" - 2 1/2"
☐ (-15) Wheel Handle, Steel	1/4" - 1 1/4"
☐ (-16) Chain Lever-Vertical	3/4" - 2 1/2"
☐ (-17) Rough Chrome Plated	1/4" - 2 1/2"
☐ (-18) Plain Yellow Grip	1/4" - 2 1/2"
☐ (-20) Slot Vented Ball	1/4" - 2 1/2"
☐ (-21) UHMWPE Trim (Non-PTFE)	1/4" - 2 1/2"
☐ (-24) Graphite Packing	1/4" - 2 1/2"
☐ (-27) SS Latch-Lock Lever & Nut	1/4" - 2 1/2"
☐ (-28) Mounting Pad NOT Drilled and Tapped	1/4" - 2 1/2"
☐ (-30) Cam-Lock & Grounded	1/4" - 1 1/4"
☐ (-32) SS Tee Handle & Nut	1/4" - 1 1/4"
☐ (-35) VTFE Trim	1/4" - 2 1/2"
☐ (-36) SS Hi-Rise Round Handle & Nut	1/4" - 1 1/4"
☐ (-40) Cyl-Loc & Grounded	1/4" - 1 1/4"
☐ (-45) Less Lever & Nut	1/4" - 2 1/2"
☐ (-46) Latch Lock Lever-Lock Closed Position Only	1/4" - 2 1/2"
☐ (-47) SS Oval Latch-Lock Handle & Nut	1/4" - 3/4"
☐ (-48) SS Oval Handle (No Latch) & Nut	1/4" - 2"
☐ (-49) Assembled Dry	1/4" - 2 1/2"
☐ (-50) 2-1/4" CS Locking Stem Extension	1/4" - 2 1/2"
☐ (-56) MPTFE Seats and Packing	1/4" - 2 1/2"
☐ (-57) Oxygen Cleaned	1/4" - 2 1/2"
☐ (-58) Chain Lever-Horizontal	3/4" - 2 1/2"
☐ (-60) Static Grounded Ball & Stem	1/4" - 2 1/2"
☐ (-63) NPT x Solder/Socket Weld	1/4" - 2 1/2"
☐ (-64) 250# Steam Trim	1/4" - 2 1/2"
☐ (-P01) BSPP (Parallel) Thread Connection	1/4" - 2 1/2"
☐ (-T01) BSPT (Tapered) Thread Connection	1/4" - 2 1/2"

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