



82-100 / 82A-140 SERIES

3-Piece Full Port Threaded Bronze Ball Valve

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

DESCRIPTION

The Apollo® 82-100 Series is designed as an in-line serviceable full port bronze ball valve. SAE grade body bolts and RPTFE seals are standard.

FEATURES

- Dezincification Resistant Bronze Body
- Adjustable Packing Gland
- Blow-Out Proof Stem Design
- Premium RPTFE Seats and Seals
- Full Port Ball Configuration in all sizes
- Made in USA



PERFORMANCE RATING

- Maximum Pressure:
82-100 series: 600 psi CWP, 150 psi SWP
82A-140 series: 400 psi CWP, 150 psi SWP
- Maximum Temperature: 500°F
- Vacuum Service to 29 in. Hg

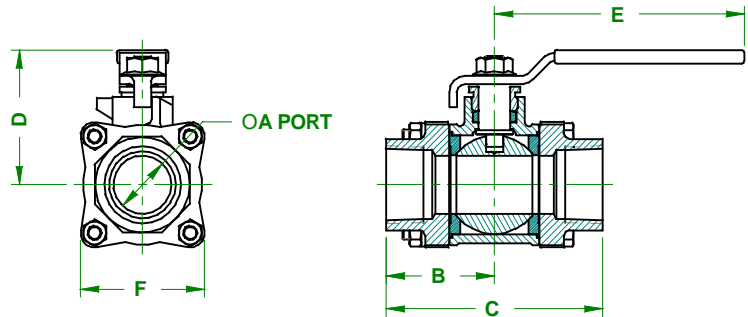
MODELS

- ☐ 82-100 Series Standard
- ☐ 82-140 Series 316 SS Ball & Stem
- ☐ 82A-140 Series 3" & 4" SS Trim Only

STANDARD MATERIALS LIST

Part Name	Material
Lever and Grip	Steel, Zinc Plated w/ Vinyl
Stem Packing	RPTFE
Stem Bearing	RPTFE
Ball	ASTM B16, Chrome Plated (1/4" - 2 1/2") ASTM A276-316 SS (3" - 4")
Seat (2)	RPTFE
End Cap (2)	B16 (1/4" & 3/8"), B584-C84400 (1/2" - 4")
Gland Nut	ASTM B16 Brass
Stem	ASTM B16, Chrome Plated (1/4" - 2 1/2") ASTM A276-316 SS (3" - 4")
Lever Nut	Steel, Zinc Plated
Body Bolt	Steel, Zinc Plated
Hex Nut	Steel, Zinc Plated
Body	B584-C84400 Bronze

DIMENSIONS



PART #	Size (in.)	Dimensions						Wt. (Lbs.)
		A	B	C	D	E	F	
82-101-01	1/4"	0.43	1.28	2.56	1.81	3.87	1.60	1.02
82-102-01	3/8"	0.50	1.28	2.56	1.81	3.87	1.60	1.04
82-103-01	1/2"	0.62	1.40	2.81	1.93	4.87	1.78	1.55
82-104-01	3/4"	0.81	1.71	3.43	2.18	4.87	1.98	2.27
82-105-01	1"	1.00	1.93	3.87	2.62	5.50	2.22	3.28
82-106-01	1 1/4"	1.25	2.37	4.75	2.87	5.50	2.70	5.62
82-107-01	1 1/2"	1.50	2.62	5.25	3.37	8.00	3.03	8.07
82-108-01	2"	2.00	3.01	6.03	3.68	8.00	3.87	14.42
82-109-01	2 1/2"	2.50	3.62	7.25	5.14	9.75	5.05	26.61
82A-140-01	3"	3.00	4.18	8.37	8.10	19.13	5.82	43.00
82A-14A-01	4"	4.00	5.43	10.86	8.88	19.13	7.77	106.00

APPROVALS

- MSS SP-10; Ball Valves, Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends
- CSA B51 CRN: OC10908.5C

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Threaded Bronze Ball Valve

OPTIONS & SIZES

<input type="checkbox"/> (-01) Lever Handle (Standard)	1/4" - 4"
<input type="checkbox"/> (-02) Stem Grounded	1/4" - 4"
<input type="checkbox"/> (-03) 1 1/4" CS Stem Extension	1/4" - 2"
<input type="checkbox"/> (-04) 2 1/4" CS Stem Extension	1/4" - 2"
<input type="checkbox"/> (-07) Steel Tee Handle	1/4" - 2"
<input type="checkbox"/> (-08) 90° Reversed Stem	1/4" - 4"
<input type="checkbox"/> (-10) SS Lever & Nut	1/4" - 4"
<input type="checkbox"/> (-11) Therma-Seal® 2 1/4" Tee Handle	1/4" - 2"
<input type="checkbox"/> (-14) Side Vented Ball (Uni-Directional)	1/4" - 4"
<input type="checkbox"/> (-15) Wheel Handle, Steel	1/4" - 2"
<input type="checkbox"/> (-16) Chain Lever-Vertical	1/2" - 2"
<input type="checkbox"/> (-18) Plain Yellow Grip	1/4" - 2"
<input type="checkbox"/> (-19) Lock Plate	1/4" - 4"*
<input type="checkbox"/> (-20) Slot Vented Ball	1/4" - 4"*
<input type="checkbox"/> (-21) UHMWPE Trim (Non-PTFE)	1/4" - 4"
<input type="checkbox"/> (-23) Tank Flange	2" Only
<input type="checkbox"/> (-24) Graphite Packing	1/4" - 4"
<input type="checkbox"/> (-27) SS Latch-Lock Lever & Nut	1/2" - 2"
<input type="checkbox"/> (-30) Cam-Lock & Grounded	1/4" - 1 1/4"
<input type="checkbox"/> (-32) SS Tee Handle & Nut	1/4" - 2"
<input type="checkbox"/> (-35) PTFE Trim	1/4" - 4"
<input type="checkbox"/> (-39) SS Hi-Rise Locking Wheel Handle & Nut	1/4" - 1 1/4"
<input type="checkbox"/> (-40) Cyl-Loc & Grounded	1/4" - 1/2"
<input type="checkbox"/> (-45) Less Lever & Nut	1/4" - 4"
<input type="checkbox"/> (-46) Latch Lock Lever-Lock Closed Position Only	1/2" - 2"
<input type="checkbox"/> (-47) SS Oval Latch-Lock Handle & Nut	1/4" - 3/4"
<input type="checkbox"/> (-48) SS Oval Handle (No Latch) & Nut	1/4" - 2"
<input type="checkbox"/> (-49) Assembled Dry	1/4" - 4"
<input type="checkbox"/> (-50) 2-1/4" CS Locking Stem Extension	1/4" - 2"
<input type="checkbox"/> (-56) MPTFE Seats and Packing	1/4" - 4"
<input type="checkbox"/> (-57) Oxygen Cleaned	1/4" - 4"
<input type="checkbox"/> (-58) Chain Lever-Horizontal	3/4" - 2"
<input type="checkbox"/> (-59) SS External Trim	3/4" - 4"
<input type="checkbox"/> (-60) Static Grounded Ball & Stem	1/4" - 4"
<input type="checkbox"/> (-62) Body center section only	1/4" - 4"
<input type="checkbox"/> (-63) NPT x Solder	3/8" - 4"
<input type="checkbox"/> (-92) Balancing Stop	1/4" - 2"
<input type="checkbox"/> (-93) -03 Option & Balancing Stop	1/4" - 2"
<input type="checkbox"/> (-94) -04 Option & Balancing Stop	1/4" - 2"
<input type="checkbox"/> (-P01) BSPP (Parallel) Thread Connection	1/4" - 4"
<input type="checkbox"/> (-T01) BSPT (Tapered) Thread Connection	1/4" - 4"

* Options -19 & -20 are standard with 3 & 4" 82A-100 series