

82-100/140 Series

3-Piece Full Port Threaded Bronze Ball Valve



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep.:	
Wholesale Dist.:	

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
- Blowout Proof Stem Design
- Premium RPTFE Seats and Seals
- Full Port Ball Configuration in all Sizes
- 100% Factory Tested
- 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 Vented Ball & Stem

APPROVALS

- MSS SP-110; Ball Valves, Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends
- CSA B51 CRN: OC10908.5C

OPTIONS & SIZES

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

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

STANDARD MATERIALS LIST

LEVER AND GRIP	Steel, Zinc Plated w/ Vinyl
STEM PACKING	MPTFE
STEM BEARING	RPTFE
BALL	ASTM B16, Chrome Plated or ASTM B283 (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 NUMBER	SIZE	DIMENSIONS (IN.)						WT. (LB.)
		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	1.25"	1.25	2.37	4.75	2.87	5.50	2.70	5.62
82-107-01	1.5"	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	2.5"	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

*3" & 4" valves come standard with SS ball and stem (not optional) and adjustable length locking handles.

