



Valves & Controls

BALL VALVE



CATALOGUE MODEL

BLF100/BLS200

- Three Piece construction
- Flanged and Screwed End Conn
- Blowout Proof Stem
- Bubble Tight Shutoff
- Secondary Seal

www.sparkmeds.com

BL Series Ball Valves

Precision Flow Control Solutions



Product Overview

Three-piece flanged ball valves engineered for reliable bubble-tight shutoff and low operating torque in flanged (BLF100) and screwed (BLS200) end connections.

Product Features

- **Body Construction:** Investment cast normalized for strength with heat numbers for traceability; carbon steel bodies are phosphate coated.
- **Performance Features:** Mirror-finished balls, pressure-relief seat slots, and heavy-duty blowout-proof stems with double "D" connections.
- **End Connections:** Flanged, Threaded, Socket weld, Butt weld, Extended Socket weld, and custom connections per site requirements.
- **Stem Sealing:** Automatically adjusting stem seal acts as a secondary seal, alongside an adjustable V-ring stem packing design.
- **Secure Mounting:** Dedicated integral ISO 5211 mounting pad allows ease of automation.
- **Locking Device:** Padlock arrangement secures handle position to prevent accidental movement.

Target Industries

Waste Water

Petrochemical

Refineries

General Purpose



Model BLF100



Model BLS200

TECHNICAL SPECIFICATIONS

Size Range	DN15 – DN100	Face to Face	ASME B16.10
End Connection	Flanged /Welded / Screwed	Design	ISO17292 ASME B16.34
Body Style	Three Piece Bolted	Testing	EN12266-1, API598
Pressure Rating	Class 150#	Actuation	Hand Lever, Gear, Pneumatic, Electrical actuators.
Drilling Std	ASME B16.5 150#,		

* Other materials are available on request. Plz contact valves@sparkmedls.com for details

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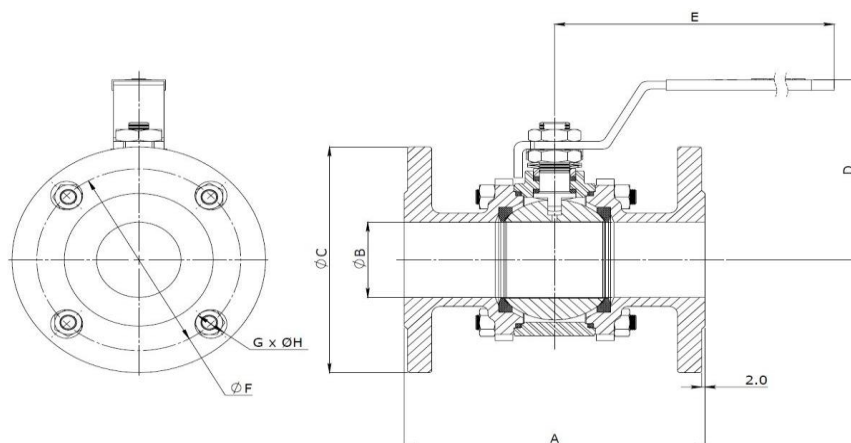


BLF100 Standard Material of Construction*

Body	WCB/CF8/CF8M	Port	Full or Reduced
Ball	SS304 - SS316	Operator	Manual/Actuated
Seat	PTFE	Option	ISO/Non ISO
Stem	SS304 - SS316	Specials	Anti Static/Fire Safe

*Other Materials on request

BLF100 Dimensions



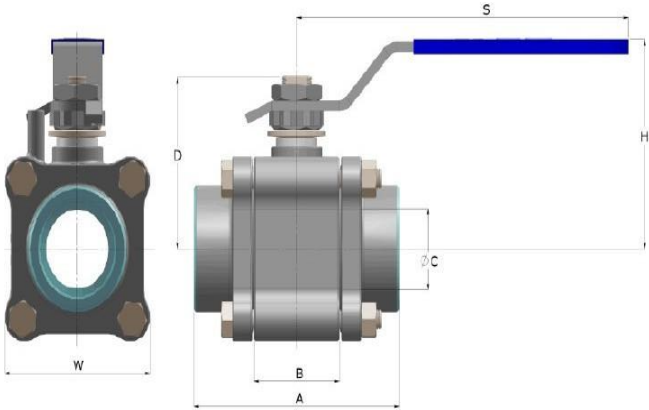
Size (mm / Inch)	A	ϕB	ϕC	D	E	ϕF	G	ϕH
DN15 / 1/4"	108 / 4.25	14.3 / 0.56	90 / 3.54	61 / 2.40	120 / 4.72	60.3 / 2.37	4	16
DN20 / 3/4"	117 / 4.61	20.6 / 0.81	100 / 3.94	72 / 2.83	180 / 7.09	69.9 / 2.75	4	16
DN25 / 1"	127 / 5.00	25.4 / 1.00	110 / 4.33	72 / 2.83	180 / 7.09	79.4 / 3.13	4	16
DN32 / 1 1/4"	140 / 5.51	31.8 / 1.25	115 / 4.53	86 / 3.39	195 / 7.68	88.9 / 3.50	4	16
DN40 / 1 1/2"	165 / 6.50	38.1 / 1.50	125 / 4.92	86 / 3.39	195 / 7.68	98.4 / 3.87	4	16
DN50 / 2"	178 / 7.01	50.8 / 2.00	150 / 5.91	115 / 4.53	195 / 7.68	120.7 / 4.75	4	19
DN80 / 3"	203 / 7.99	80.0 / 3.00	190 / 7.50	152 / 5.98	260 / 10.24	152.4 / 6.00	4	19
DN100 / 4"	228 / 8.98	100.0 / 4.00	230 / 9.15	170 / 6.69	273 / 10.75	190.5 / 7.00	8	19

BLS200 Standard Material of Construction*

Body	WCB/CF8/CF8M	Port	Full or Reduced
Ball	SS304 - SS316	Operator	Manual/Actuated
Seat	PTFE	Option	ISO/Non ISO
Stem	SS304 - SS316	Specials	Anti Static/Fire Safe

*Other Materials on request

BLS200 Dimensions



Size (Metric / Imperial)	A (mm / in)	Metric B / Imperial ØB	Metric C / Imperial ØC	Metric H / Imperial D	Metric S / Imperial E	Metric W / Imperial ØF
DN15 / ¼"	69 / 2.72	24.5 / 0.97	14.3 / 0.57	62 / 2.44	151 / 5.95	54 / 2.13
DN20 / ¾"	85 / 3.35	31.7 / 1.25	20.6 / 0.81	73 / 2.87	170 / 6.69	63 / 2.48
DN25 / 1"	102 / 4.02	41.3 / 1.63	25.4 / 1.00	74 / 2.91	170 / 6.69	72 / 2.83
DN32 / 1¼"	106 / 4.18	48.4 / 1.91	31.8 / 1.25	100 / 3.94	205 / 8.07	86 / 3.39
DN40 / 1½"	120 / 4.73	56.3 / 2.22	38.1 / 1.50	103 / 4.06	205 / 8.07	97 / 3.82
DN50 / 2"	136 / 5.35	72.6 / 2.86	50.8 / 2.00	112 / 4.41	205 / 8.07	108 / 4.25

* Other Materials on request



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