

Code: 1016C Full Jacketed Ball Valve Flanged End 150 Class - SS316 Body

FlowBiz Exports offers high-performance Fully Jacketed Ball Valves designed for precise temperature control and smooth flow in critical industrial applications.

Key Features:

- Full-Body Heating Jacket: Encloses the valve completely from flange to flange for uniform heating or cooling.
- Pocket-Free Flow: Eliminates internal dead spots to keep media moving continuously without traps.



Primary Benefits:

- Prevents Line Blockages: Stops process media from cooling, crystallising, or solidifying inside the valve.
- Ideal for Heavy Media: Perfect for viscous fluids like bitumen, asphalt, molten sulphur, resins, and crude oil.

Target Industries & Applications:

- Oil & Gas / Petrochemicals: Bitumen, asphalt, coal tar, and heavy crude oil transfer.
- Chemical Processing: Liquid sulphur, synthetic resins, adhesives, and liquids prone to crystallisation (e.g., urea solutions).
- Pharmaceuticals: Temperature-sensitive chemical reactions and high-purity solvent processing.
- Food & Personal Care: Molten chocolate, cocoa mass, glucose syrups, fats, waxes, and liquid soap bases.

Key Features:

MFG. STD. : ISO 17292 & ASME B16.34

Testing STD: API 598

Face to Face: ANSI B16.10

End Connection: ASME B16.5 150 Class RF

Max Working Temperature: 200 Deg. C

Pressure Rating: As per 150 Class

Drain Plug: On Request

Hydraulic Test Pressure:

Body: 32 Kg/cm² (450 psig)

Seat: 21 Kg/cm² (300 psig)

Seat (Pneumatic): 07 Kg/cm²

Jacket Testing: 6 Kg/cm² Hydraulic

Size Range:

15mm x 40mm to 150mm x 250mm

Part Name	Material	QTY.
Body	SS316 to ASTM A351 Gr. CF8M	01
Side Nut	SS316 to ASTM A351 Gr. CF8M	01
Ball	AISI 316	01
Seat	PTFE	02
Body Seal	PTFE	02
Stem	AISI 316	01
Gland Seal	PTFE	03
Gland Bush	Stainless Steel	01
Stem Nut	Stainless Steel	01
Handle Nut	Stainless Steel	01
Handle	Stainless Steel	01
Full Jacket	M.S Fabricated	01

Oversized Flanges:

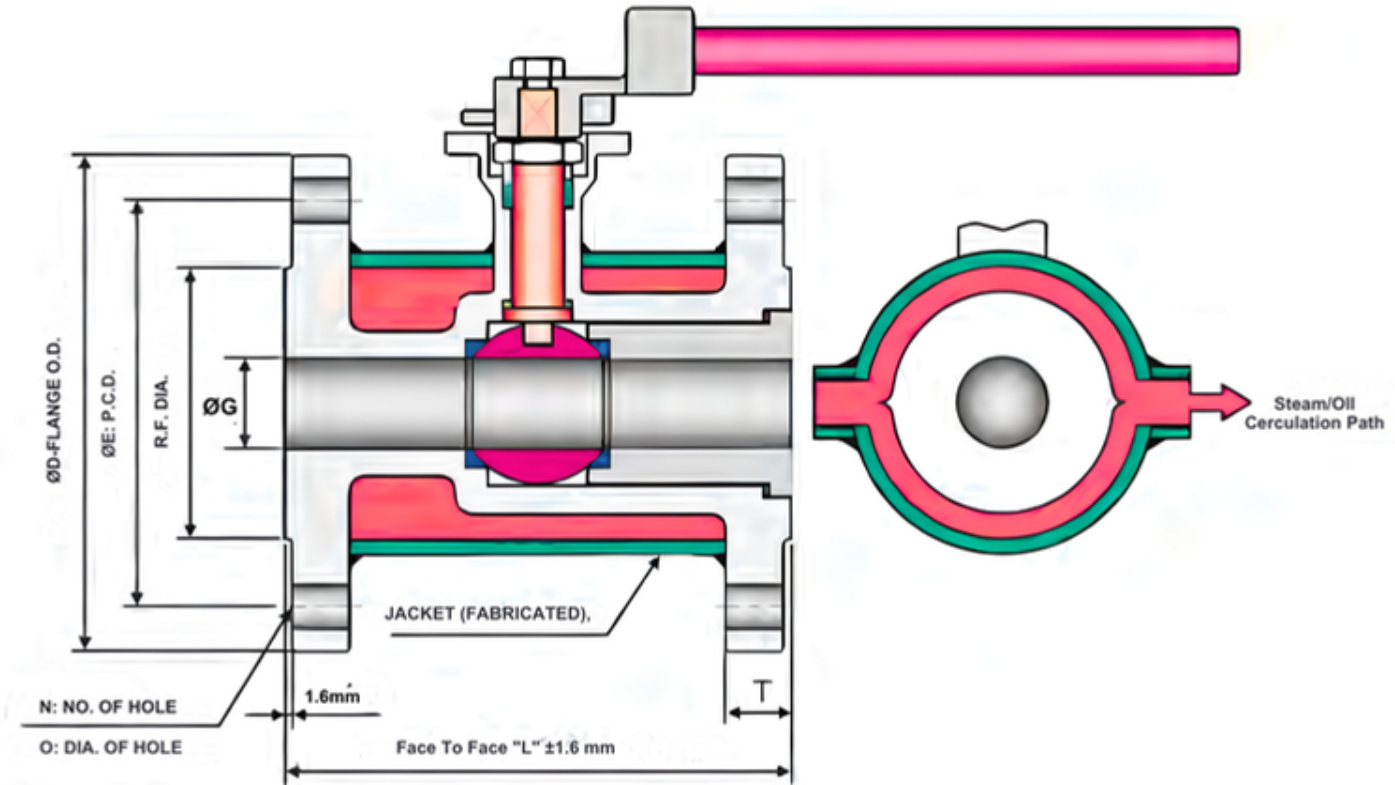
Provide extra space for easy bolt installation.

Example: ½" x 1 ½" valve uses a ½ inch (15mm) inner bore with 1 ½ inch (40mm) flanges.



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VALVE DIMENSIONS DATA:



150 Class

SIZE		L (mm)	Ø G Bore in mm	Ø D Flange OD	Ø E PCD	Ø F Raised Faced	N Holes	Ø O Flange OD	T Flange Thickness	Approx Weight
inch	mm									Per Unit.
½ x 1	15 x 25	127	12.5	108	79.2	50.8	4	15.8	11.1	1.5 Kgs.
1 x 1 ½	25 x 40	165.1	25	127	98.5	73	4	15.8	14.3	2.0 Kgs.
1 x 2	25 x 50	177.8	25	152.4	120.6	92.1	4	19	15.8	2.5 Kgs.
1 ½ x 2 ½	40 x 65	192	40	177.8	139.7	104.7	4	19	17.7	5.0 Kgs.
2 x 3	50 x 80	203	50	190.5	152.4	127	8	19	19	15.0 Kgs.
2 ½ x 4	65 x 100	229	63	228.6	190.5	157.2	8	19	23	22.0 Kgs.
3 x 4	80 x 100	229	75	228.6	190.5	157.2	8	19	23	24.0 Kgs.
4 x 6	100 x 150	267	100	279	241.3	215.9	8	22	25.4	34.0 Kgs.
6 x 10	150 x 250	330.2	150	406	361	323	12	25.4	30.23	55.0 Kgs.

