

Code: 1017B Reduced Bore Flush Bottom Ball Valve 150 Class - SS304

Applicable Standard:

Design & Manufacturing Standard: BS 5351, BS EN ISO 17292
 Testing & Inspection Standard: BS 5146 / API 598 / BS EN 12266
 End Connections: Flanged as per B-16.5 RF ASA 150 Class
 Drilling: BS 10 Table 'E', F, ASA 150 Class

Notes:

1. In a reduced port design, the inlet flange is larger than the outlet flange.
 For example, an **80 x 100 mm ASA 150#** flush-type ball valve uses.
 - Inlet: 100 NB ASA 150# flange
 - Outlet: 80 NB ASA 150# flange
2. End-to-end dimensions can be customised upon request.



Why Flush Bottom Ball Valve ?

A flush bottom ball valve attaches directly to the bottom of a tank so every last drop of liquid drains out cleanly, leaving nothing behind.

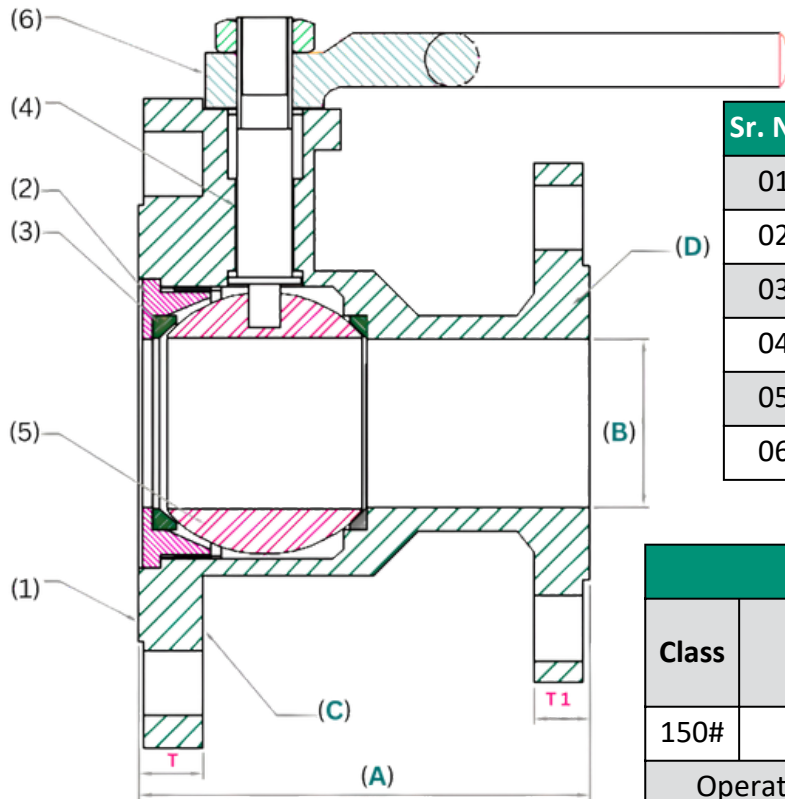
Where & Why Flush Bottom Ball Valves are Used ?

Industry	Where It Is Used	Why FlowBiz Valves Help
Medicine & Pharma	Mixing tanks for liquid medicines, vaccines, and biotech solutions.	Maximum Hygiene: Drains every last drop so no leftover product contaminates your next batch.
Chemical Processing	Reaction and storage tanks for raw or mixed chemicals.	Zero Blockages: Keeps the outlet flush so raw materials cannot settle, harden, or cause unsafe reactions.
Food & Beverage	Large vats for juices, dairy, syrups, and soft drinks.	Fresh & Clean: Prevents sugary or dairy liquids from getting trapped and spoiling, making tank washing effortless.
Paints & Coatings	Blending tanks for paints, varnishes, and adhesives.	Clog-Free Draining: Prevents thick liquids from drying up and clogging the tank drain.



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VALVE DIMENSIONS DATA:



Sr. No.	Part Name	Material	QTY.
01	Body	SS304 to ASTM A351 Gr. CF8	01
02	Adapter	SS304 to ASTM A351 Gr. CF8	01
03	Ball Seat	PTFE / RPTFE	02
04	Stem	AISI 304	01
05	Ball	AISI 304	01
06	Handle	Stainless Steel	01

Primary Service Rating & Test Pressure

Class	Working Pressure	Hydraulic Test Pressure	
		Body	Seat
150#	150 PSIG	425 PSIG	300 PSIG
Operating Temperature: 45 Deg C		Air Test (Seat): 80 PSIG	

150 Class

SIZE In x Out		A (mm)	B (mm)	C Inlet Flange	D Out-Let Flange	T Flange Thickness Inlet (mm)	T1 Flange Thickness Out-Let (mm)
inch	mm						
2 x 1 ½	50 x 40	115	37	2 inch x 150#	1 ½ inch x 150#	15.9	14.3
2 x 2	50 x 50	115	37	2 inch x 150#	2 inch x 150#	15.9	15.9
2 ½ x 2	65 x 50	130	50	2 ½ inch x 150#	2 inch x 150#	17.5	15.9
2 ½ x 2 ½	65 x 65	130	50	2 ½ inch 150#	2 ½ inch x 150#	17.5	17.5
3 x 3	80 x 80	140	64	3 inch x 150#	3 inch x 150#	19.1	19.1
3 x 2 ½	80 x 65	140	64	3 inch x 150#	2 ½ inch x 150#	19.1	17.5
3 x 2	80 x 50	140	64	3 inch x 150#	2 inch x 150#	19.1	15.9
4 x 4	100 x 100	166	76	4 inch x 150#	4 inch x 150#	23.9	23.9
4 x 3	100 x 80	166	76	4 inch x 150#	3 inch x 150#	23.9	19.1

