



1 PC DESIGN BALL VALVE

“Flow-Tech” Ball Valve Design is suit to Full Flow and Low Pressure Drop in Applications in Process Industries. Various MOC are Available to meet all separate Process Requirements. Ball Valve can available in 1PC, 2PC, 3PC Design with Full Bore & Reduce Bore Flanged End Ball Valve Pressure Rating Class 150# / 300# / 600#. We have Ball Valves in various end connection as Flanged, Butt Weld End. “Flow-Tech” Ball Valve mainly Used in Process Industries like Chemical, Petrochemicals, Pharmaceuticals, Food & Beverages.

“Flow-Tech” Ball valve design is developed with following and using international Standard For Having An International Competency with Global Manufacturers.



We “Flow-Tech” follow an international standards and designs to get 100% superior quality with workmanship & service to maintain trust of our Clients and repeat order

TECHNICAL DETAIL

DESIGN TYPE	FULL BORE DESIGN, REDUCE BORE DESIGN, FLOATING BALL DESIGN, TRUNION MOUNTED DESIGN, FIRESAFE DESIGN,
MFG. STANDARD	BS 5351 / API 6D
TESTING STANDARD	API 598 / BS 6755 Part-I / API 607
FACE TO FACE DIMENSIONS	ASME B16.10
FLANGE STANDARD	ASME B16.5
BUTT WELD END STANDARD	ASME B16.25
PRESSURE & TEMPERATURE RATING	ASME B16.34
PRESSURE CLASS	150#, 300# PN10, PN16, PN25, PN40
VALVE SIZE	1/2" To 6" (15mm TO 150mm)
END CONNECTIONS / END CONNECTIONS	FLANGED / BUTT WELD / RT JOINT
FLANGE DRILLING	150#, 300#, PN10, PN16, PN25, PN40 BS 10 TABLE / E / F / H
MATERIAL OF CONSTRUCTION	CITIOIS 210 GR. FG 200 ASTM A 216 GR. WCB ASTM A 217 GR. WC6 / WC9 / CA15 ASTM A 351 GR. CF8 / CF8M / CF3 / CF3M CD4MCu / ASTM A 352 GR. LCB
OPERATIONS	HANDLE / GEAR / PNEUMATIC / ELECTRICAL ACTUATOR

FACE TO FACE DIMENSIONS (FLANGED)

INCH	MM	150#	300#	600#
1/2"	15	108.0	140.0	165.0
3/4"	20	117.5	152.5	190.5
1"	25	127.0	165.0	216.0
1 1/4"	32	140.0	178.0	229.0
1 1/2"	40	165.0	190.0	241.0
2"	50	178.0	216.0	292.0
2.5"	65	190.0	241.0	330.0
3"	80	203.0	282.5	355.5
4"	100	229.0	305.0	432.0
5"	125	254.0	381.0	508.0
6"	150	267.0	403.0	559.0
8"	200	292.0	419.0	660.0
10"	250	330.0	457.0	787.0
12"	300	356.0	501.0	838.0

TEST PRESSURE

CLASS	BODY		SEAT HYDRO		AIR TEST	
	PSI	KG/	PSI	KG/C	PSI	KG/
150#	450	32	315	22	100	7
300#	1125	79	825	58	100	7
600#	222	156	164	115	100	7

*Pressure Testing Time Will be 15 Sec. *Test With Water only.

FACE TO FACE DIMENSIONS (FLANGED)

INCH	MM	150#
1/4"	6	58.0
3/8"	10	58.0
1/2"	15	64.0
3/4"	20	69.0
1"	25	85.0
1 1/4"	32	91.0
1 1/2"	40	105.0
2"	50	115.0
2.5"	65	140.0.0
3"	80	157.0
4"	100	180.0

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