

# BALL VALVES

Type 502F150, ANSI, 1/2"-4"

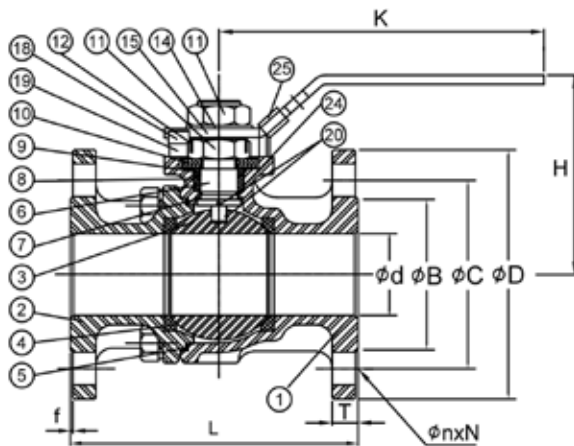
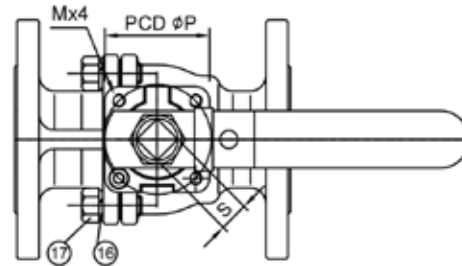


## Two-piece ball valve, flange connection.



### Feature and Specifications

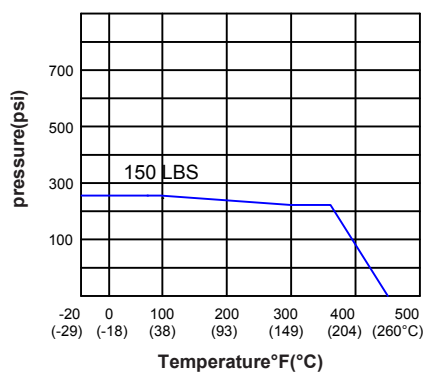
- Two piece design facilitates inspection and repair
- Blow-out proof stem
- Anti-Static design is for option
- Temperature range : -20 to 450°F
- Face to face : ANSI B16.10
- Flange dimensions : ANSI B16.5



### Standard Material Specifications

No.	Part Name	Materials
1	Body	ASTM A351 GR. CF8M (316)
2	Cap	ASTM A351 GR. CF8M (316)
3	Ball	ASTM A351 GR. CF8M (316)
4	Seat	RTFM1600
5	Gasket	RTFM1600
6	Stem	SS316
7	Thrust Washer	POLYFILL
8	Packing	PTFE
9	Ring	SS304
10	Bevel Washer	SS301
11	Hex. Nut	SS304
12	Lock	SS304
13	Handle Washer	SS304
14	Handle	SS304
15	Bolt Washer	SS304
16	Bolt	SS304
17	Bolt	SS304
18	Washer	SS304
19	Static Device	SS304
20	O-Ring	VITON

### PRESSURE TEMPERATURE RATINGS



### Dimensions (mm)

Size	Ød	ØB	ØC	ØD	S	K	L	T	f	Øn	N	M	ØP	*torque (Nm) at 6.9 bar
1/2"	15	60.5	35	88.9	9	145	108	9.6	1.6	15.9	4	M5	42	5
3/4"	20	69.9	43	98.6	9	145	117	9.6	1.6	15.9	4	M5	42	6
1"	25	79.2	51	108	11	165	127	9.6	1.6	15.9	4	M6	50	10
1-1/4"	32	88.9	63.5	117.3	11	165	139.7	11.1	1.6	15.9	4	M6	50	15
1-1/2"	38	98.6	73	127	17	240	165	12.7	1.6	15.9	4	M8	70	19
2"	50	120.7	92	152.4	17	240	178	14.2	1.6	19.1	4	M8	70	25
2-1/2"	65	139.7	105	177.8	17	240	190.5	16	1.6	19.1	4	M8	70	57
3"	80	152.4	127	190.5	22	345	203	17.5	1.6	19.1	4	M10	102	77
4"	100	190.5	157	228.6	22	345	228.6	22.3	1.6	19.1	8	M10	102	93

\*Suggest adding safety factor 20%

update 08/24

