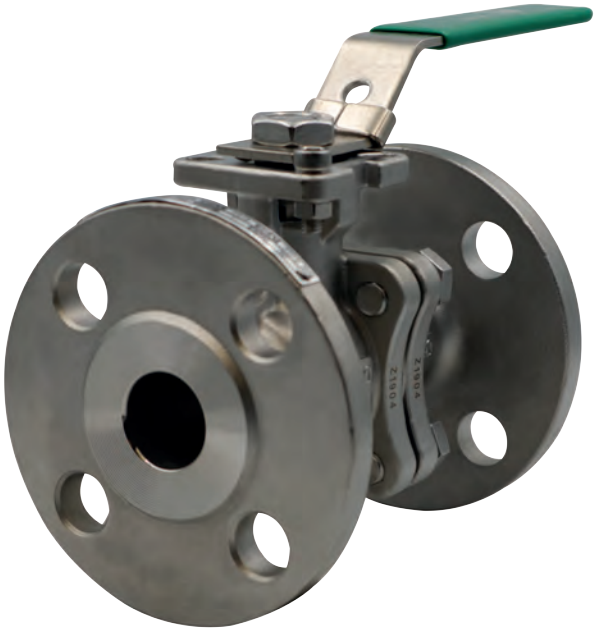


Features / Design

1.- **Series 2I Ball Valve – 150# / 300#** is in two-piece body design for easy inspection and repair, mainly intended for shut off or isolating service.

When actuated, the torque is transmitted to stem down to drive ball bore to be parallel with line flow path at full open position or cross with valve flow path at closed position – bidirectional tightness allows shut off at both sides.

2.- Full port minimizes pressure drop and prolong life.

3.- Locking device as standard.

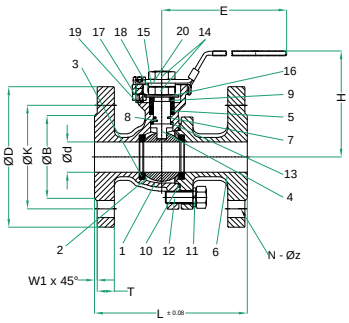
4.- Inspection and Testing acc. to API 598.

5.- Design, manufacture and pressure-tempersature rating according to ASME B16.34.

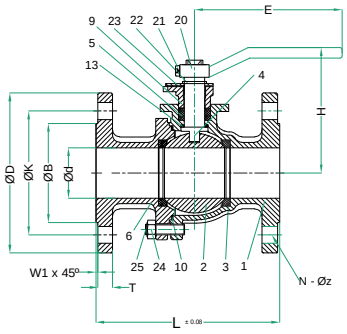
6.- End connection: Flanged RF according to ASME B16.5 and face to face dimension ASME B16.10.

7.- Manufactured in ISO 9001 approved facility.

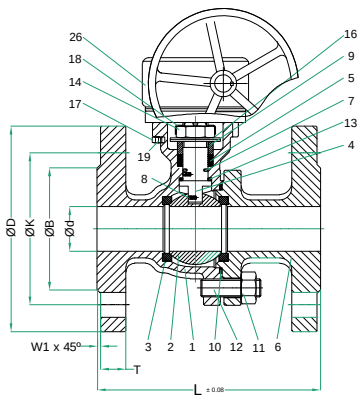
Design for 1/2" to 4" ANSI Class 150#



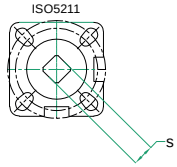
Design for 1/2" to 4" ANSI Class 300#



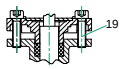
Design for 6" to 10" ANSI Class 150#



Design for 1/2" to 10" ANSI Class 150#



Design for 1/2" to 4" ANSI Class 300#



Material List

NO.	DESCRIPTION	MATERIAL
1	BODY	A216 WCB / A351 CF8M
2	BALL	SS304
3	SEAT	PTFE
4	STEM	SS304
5	PACKING	PTFE
6	BONNET	A216 WCB / A351 CF8M
7	O-RING	VITON
8	ANTI-STATIC	SS304
9	GLAND	SS304
10	GASKET	PTFE
11	WASHER	SS304
12	HEX. HEAD BOLT	SS304
13	THRUST GASKET	PTFE
14	NUT	SS304
15	WASHER	SS304
16	DISC SPRING	SS304
17	NUT	SS304
18	ANTI LOOSING BONNET	SS304
19	HEX. BOLT	SS304
20	HANDLE	CARBON STEEL
21	HAX. SCREW	SS304
22	JUMP RING	STAINLESS STEEL
23	ORIENTATION PLATE	STAINLESS STEEL
24	NUT	SS304
25	BOLT	SS304
26	GEAR OPERATOR	ASSEMBLY

Dimensions (inches)

ANSI 150#

SIZE	Ød (in)	ØB (in)	ØK (in)	ØD (in)	N (in)	Z (in)	W1 (in)	T (in)	ØL (in)	ISO5211	S (in)	H (in)	E (in)	CV (USgal/ min)	TORQUE(1) (Lb*in) PTFE	WEIGHT(2) (Lb)
1/2”	0.591	1.339	2.374	3.543	4	0.630	0.079	0.354	4.252	F03/F04	0.354	2.953	4.921	3.3	53.104	3.263
3/4”	0.787	1.654	2.752	3.937	4	0.630	0.079	0.366	4.606	F03/F04	0.354	3.150	4.921	7.1	70.806	4.057
1”	0.984	1.969	3.126	4.331	4	0.630	0.079	0.366	5.000	F04/F05	0.433	3.543	6.102	12.3	115.060	6.019
1 1/4”	1.260	2.441	3.500	4.528	4	0.630	0.079	0.453	5.512	F04/F05	0.433	3.937	6.102	20.6	212.418	8.378
1 1/2”	1.496	2.835	3.874	4.921	4	0.630	0.079	0.512	6.496	F05/F07	0.551	4.724	7.283	28.3	283.223	10.318
2“	1.969	3.583	4.752	5.906	4	0.748	0.079	0.571	7.008	F05/F07	0.551	5.118	7.283	47.0	442.537	14.881
2 1/2”	2.559	4.055	5.500	7.008	4	0.748	0.079	0.630	7.480	F07/F10	0.669	5.906	10.236	75.4	575.298	24.251
3”	3.150	4.921	6.000	7.402	4	0.748	0.079	0.701	7.992	F07/F10	0.669	6.299	10.236	107.3	708.059	29.498
4”	3.937	6.102	7.500	8.976	8	0.748	0.079	0.878	9.016	F07/F10	0.748	7.283	11.811	196.5	1327.610	47.399
6”	5.906	8.500	9.500	11.024	8	0.866	0.079	0.941	15.512	F10/F12	1.063	*	*	441	3805.82	180.7790
8”	7.874	10.626	11.752	13.583	8	0.866	0.079	1.063	17.992	F10/F12	1.063	*	*	793	4336.859	189.598
10”	9.842	12.748	14.252	15.944	12	0.984	0.079	1.141	20.984	*	1.338	*	*	3360	7611.630	257.941

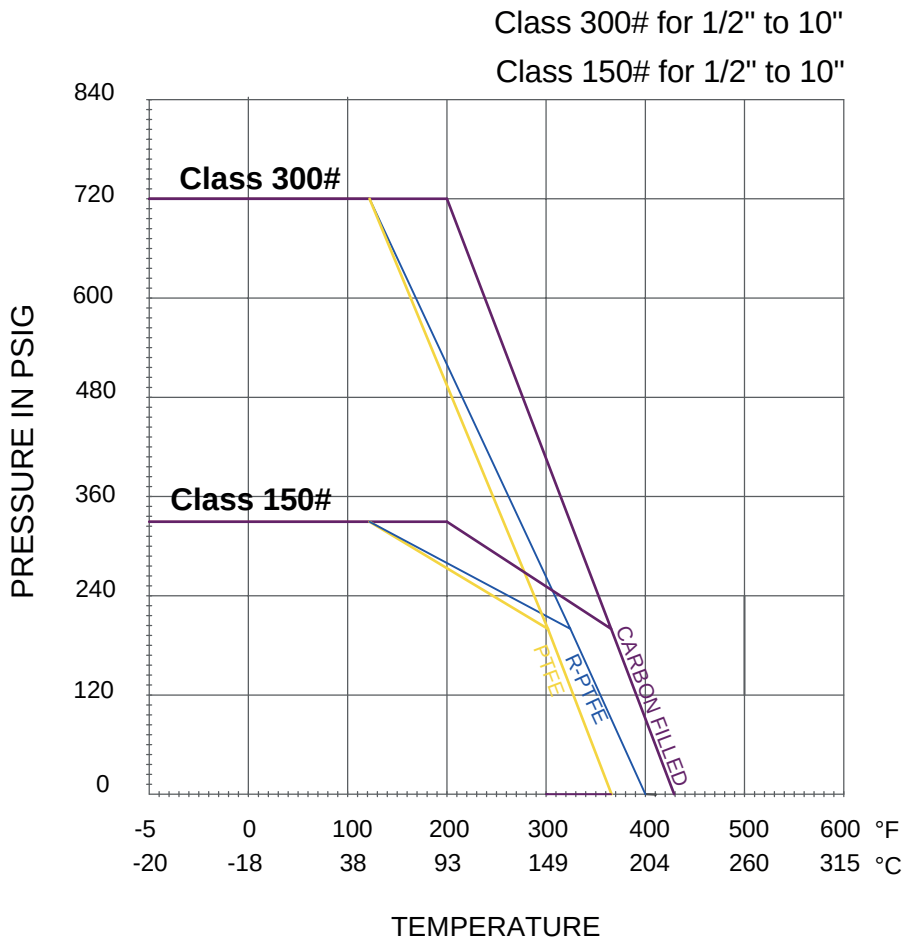
NOTE: * Please consult with manufacturer.

ANSI 300#

SIZE	Ød (in)	ØB (in)	ØK (in)	ØD (in)	N (in)	Z (in)	W1 (in)	T (in)	ØL (in)	H (in)	E (in)	CV (USgal/ min)	TORQUE(1) (Lb*in) PTFE	WEIGHT(2) (Lb)
1/2”	0.591	1.374	2.626	3.740	4	0.630	0.079	0.500	5.512	*	*	3.3	88.507	5.622
3/4”	0.787	1.689	3.252	4.528	4	0.748	0.079	0.563	5.984	*	*	7.1	141.612	7.606
1”	0.984	2.000	3.500	4.921	4	0.748	0.079	0.626	6.496	*	*	12.3	221.268	10.604
1 1/4”	1.260	2.500	3.874	5.315	4	0.748	0.079	0.689	7.0079	*	*	20.6	309.776	13.779
1 1/2”	1.496	2.874	4.500	6.102	4	0.866	0.079	0.752	7.480	*	*	28.3	531.044	21.054
2“	1.969	3.626	5.000	6.496	8	0.7.48	0.079	0.815	8.504	*	*	47.0	796.566	26.455
2 1/2”	2.559	4.126	5.874	7.480	8	0.866	0.079	0.941	9.488	*	*	75.4	885.073	41.667
3”	3.150	5.000	6.626	8.268	8	0.866	0.079	1.063	11.102	*	*	107.3	1416.117	57.320
4”	3.937	6.189	7.874	10.039	8	0.866	0.079	1.189	12.008	*	*	196.5	2478.205	84.878
6”	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8”	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10”	/	/	/	/	/	/	/	/	/	/	/	/	/	/

NOTE: * Please consult with manufacturer.

Pressure-Temperature Chart



How to Order

VALVE BODY DESIGN (SERIES)	SPECIAL FEATURES	MATERIAL			ENDS	CLASS	SIZE	OPERATION
		BODY	TRIM	SEAT				
2I Full Port 2 Pieces Floating Ball Vakve	**NONE** None	**2** WCB	**3** 316 SS	**P** PTFE	**F** Flanged RF	**0** ANSI 150#	**0.5** 1/2"	**L** Manual Lever Operator
	F Fire Safe API 607	**3** CF8M	**4** 304 SS	**R** RPTFE		**3** ANSI 300#	**0.75** 3/4"	**C** Manual Lever Operator with Locking Device
				C Carbon Filled PTFE			**01** 1"	
							01.25 1 1/4"	
							01.5 1 1/2"	**B** Bare Shaft
							02 2"	**G** Gear Operator
							02.5 2 1/2"	**P** Peumatic Actuator
							03 3"	**E** Electric Actuator
							04 4"	
							06 6"	
							08 8"	
							10 10"	

Example:

Floating Ball Valve, Full Port 2 Pieces Design, Body Material A216 WCB, Trim 316SS, Seat PTFE, Flanged RF, Class ANSI 150#, Size 3", Manual Lever Operatar.

2I23PF003L