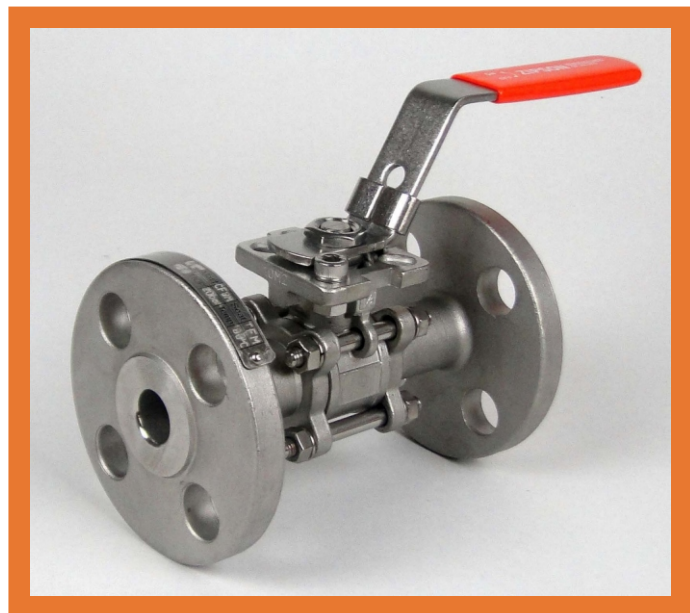


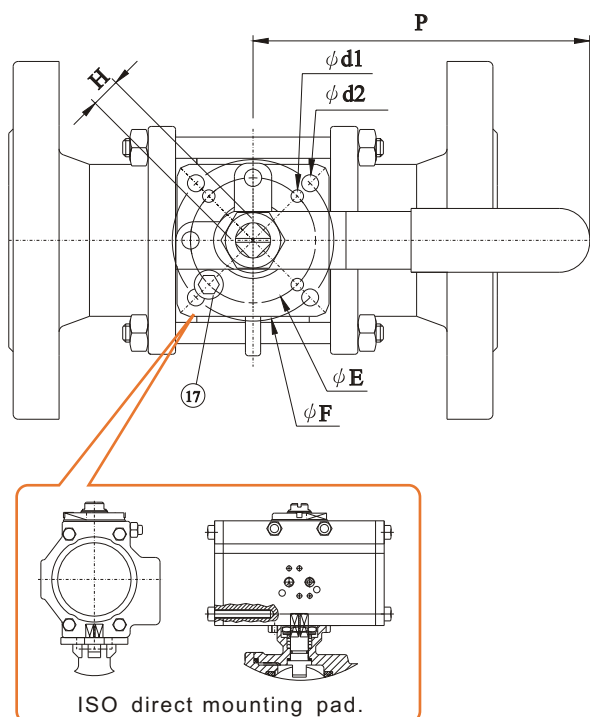
Item 302F-Flange 3-Piece Flanged Ball Valve

ANSI150/ PN16/ JIS10K
SIZE: 1/2"-4"



ZIPSON'S 302F, 3-piece flanged ball valve with ISO direct mounting pad is designed for most of the industrial pipe line as full port product. The ends types can be ASME150/ PN16/ JIS10K (Also Thread/ Socket Weld/ Butt Weld). 302F type is swing out valve design, it's easier for repair on-line. Different material of soft kits will be applicable for different working circumstance.

V-ball with 15° / 30° / 60° / 90° / Slot notch is an available option for automation control usage.

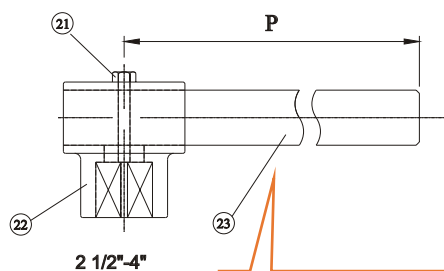


SPECIFICATION

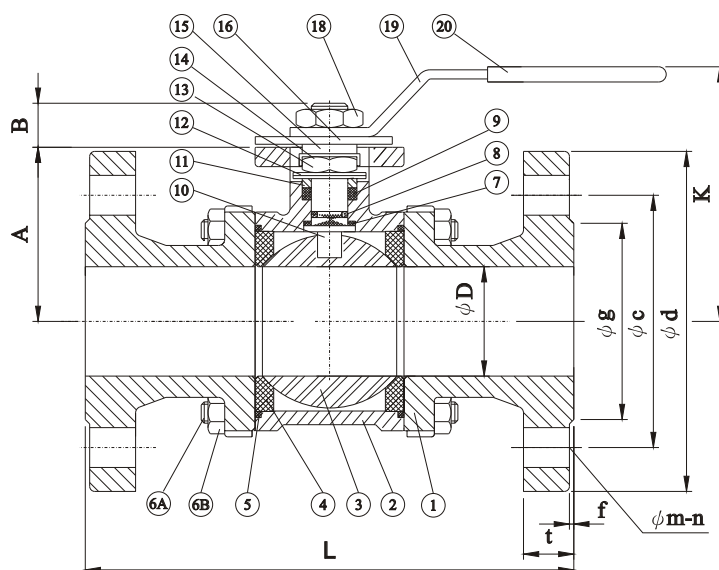
- * Body & end caps quality investment casting
- * With ISO 5211 direct mounting pad
- * Adjustable stem packing
- * Available in stainless steel or carbon steel
- * Blow-out proof stem design
- * 100% air tested under water at 80-100 psi
- * Working pressure: Class150/ PN16/ JIS10K
- * Temperature range -20°F to 450°F
- * With locking function
- * End type: flange end ANSI 150/ DIN PN16/ JIS 10K

OPTION

- * Spring handle (dead man handle)
- * Oval handle
- * Automation application
- * handle with limit switch box
- * PTFE cavity filler
- * V-ball for control valve in 15°, 30°, 60°, 90°, slot
- * Hastalloy C/ Super Duplex/ Duplex



From 2-1/2" with pipe handle, for long term & smooth usage.



DIMENSIONS (mm) / ASME150

SIZE	A	B	D	d1	d2	K	E	F	H	P	L	CLASS 150 FLANGE DIMENSIONS						
												g	c	d	f	t	m	n
1/2"	37	11	15	6.0	6.0	98	36	42	9	127	130	35	60.5	89	1.6	11.2	16	4
3/4"	40	11	20	6.0	6.0	101	36	42	9	127	150	43	70	98	1.6	11.2	16	4
1"	48	14	25	6.0	7.0	94	42	50	11	160	160	51	79.5	108	1.6	11.2	16	4
1 1/4"	53	14	32	6.0	7.0	99	42	50	11	160	180	64	89	117	1.6	12.7	16	4
1 1/2"	63	18	38	7.0	9.0	115	50	70	14	205	200	73	98.5	127	1.6	14.3	16	4
2"	72	18	50	7.0	9.0	124	50	70	14	205	230	92	120.5	152	1.6	15.9	19	4
2-1/2"	92	22	65	9.0	11.3	140	70	102	17	300	290	105	139.5	178	1.6	17.8	19	4
3"	102	22	78	9.0	11.3	150	70	102	17	300	310	127	152.5	190	1.6	19.2	19	4
4"	132	26	100	11.3	13.5	190	102	125	22	350	350	157	190.5	229	1.6	24	19	8

DIMENSIONS (mm) / PN16

SIZE	A	B	D	d1	d2	K	E	F	H	P	L	PN16 FLANGE DIMENSIONS						
												g	c	d	f	t	m	n
1/2"	37	11	15	6.0	6.0	98	36	42	9	127	130	45	65	95	2.0	14	14	4
3/4"	40	11	20	6.0	6.0	101	36	42	9	127	150	58	75	105	2.0	16	14	4
1"	48	14	25	6.0	7.0	94	42	50	11	160	160	68	85	115	2.0	16	14	4
1 1/4"	53	14	32	6.0	7.0	99	42	50	11	160	180	78	100	140	2.0	16	18	4
1 1/2"	63	18	38	7.0	9.0	115	50	70	14	205	200	88	110	150	3.0	16	18	4
2"	72	18	50	7.0	9.0	124	50	70	14	205	230	102	125	165	3.0	18	18	4
2-1/2"	92	22	65	9.0	11.3	140	70	102	17	300	290	122	145	185	3.0	18	18	4
3"	102	22	78	9.0	11.3	150	70	102	17	300	310	138	160	200	3.0	20	18	8
4"	132	26	100	11.3	13.5	190	102	125	22	350	350	158	180	220	3.0	20	18	8

DIMENSIONS (mm) / JIS10K

SIZE	A	B	D	d1	d2	K	E	F	H	P	L	JIS 10K FLANGE DIMENSIONS						
												g	c	d	f	t	m	n
1/2"	37	11	15	6.0	6.0	98	36	42	9	127	130	51	70	95	1.0	12	15	4
3/4"	40	11	20	6.0	6.0	101	36	42	9	127	150	56	75	100	1.0	14	15	4
1"	48	14	25	6.0	7.0	94	42	50	11	160	160	67	90	125	1.0	14	19	4
1 1/4"	53	14	32	6.0	7.0	99	42	50	11	160	180	76	100	135	2.0	16	19	4
1 1/2"	63	18	38	7.0	9.0	115	50	70	14	205	200	81	105	140	2.0	16	19	4
2"	72	18	50	7.0	9.0	124	50	70	14	205	230	96	120	155	2.0	16	19	4
2-1/2"	92	22	65	9.0	11.3	140	70	102	17	300	290	116	140	175	2.0	18	19	4
3"	102	22	78	9.0	11.3	150	70	102	17	300	310	126	150	185	2.0	18	19	8
4"	132	26	100	11.3	13.5	190	102	125	22	350	350	151	175	210	2.0	18	19	8

BREAK-TORQUE VALUE for ASME150/ PN16/ JIS10K(Nm/ at 0 psi)

SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2-1/2"	3"	4"
GREASE	5	5.5	7	11	17	23	35	46	72
NON-GREASE	6	7	9.5	16	27	30	68	85	105

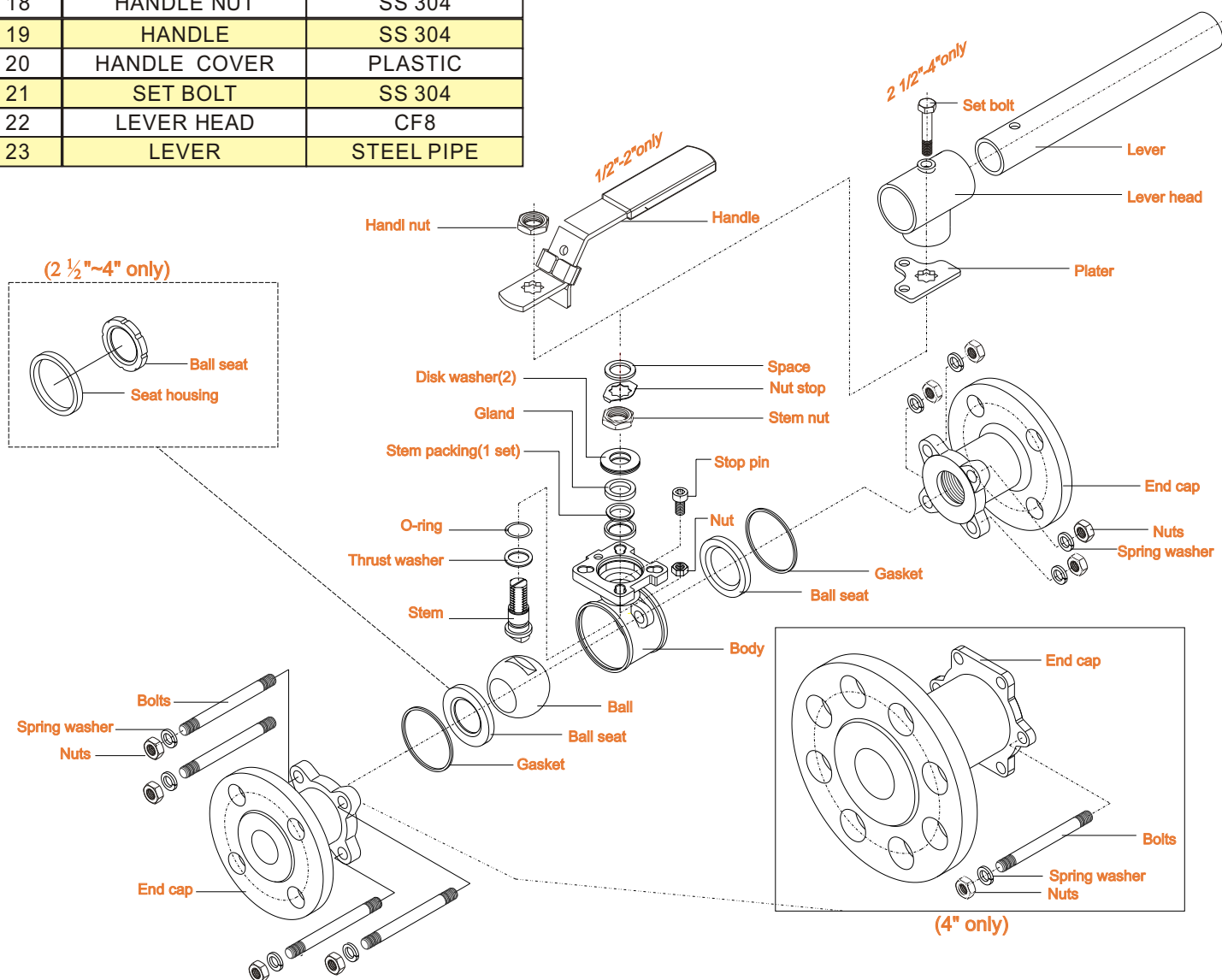
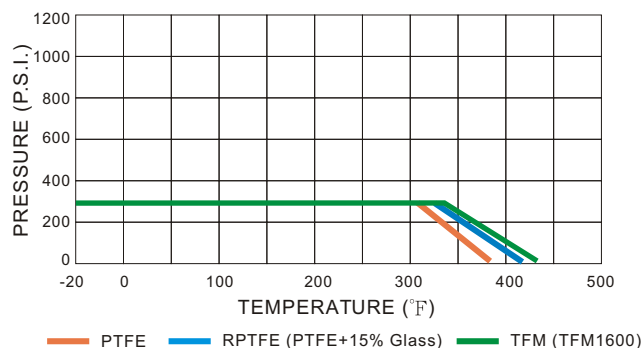
Note 1: The greases ZIPSON use including lubricant & anti-seize grease are both SILICONE-FREE.

Note 2: Strongly suggest increasing at least 30%~40% for safety factor for mounting actuator.

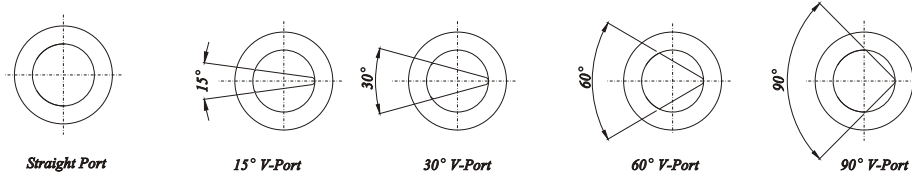
MATERIALS LIST

ITEM	PART NAME	MATERIALS
1	FLANGED END	CF8M
2	BODY	CF8M
3	BALL	SS 316
4	SEAT	PTFE
5	GASKET	PTFE
6A	BOLTS	SS 304
6B	NUTS	SS 304
7	THRUST WASHER	RPTFE
8	O-RING	VITON
9	STEM PACKING	PTFE
10	STEM	SS 316
11	GLAND	SS 304
12	DISK WASHES	SS 301
13	STEM NUT	SS 304
14	NUT STOP	SS 304
15	SPACE WASHER	SS 304
16	PLATE	SS 304
17	STOP PIN	SS 304
18	HANDLE NUT	SS 304
19	HANDLE	SS 304
20	HANDLE COVER	PLASTIC
21	SET BOLT	SS 304
22	LEVER HEAD	CF8
23	LEVER	STEEL PIPE

PRESSURE/ TEMPERATURE ASME150/ PN16/ JIS10K



V-BALL FOR MODULATING CONTROLLER



OPTIONS ON 302F TYPE



- Valve with extended stem for thermal isolation



- Manual valve with limit switch box (special bracket)



- Valve with SH01-spring handle (dead-man handle)

Suggestion!

1. As dismantle the ball valve, don't forget to replace new Repair Kits, especially the gasket to prevent from leaking.
2. Before welding the valves, make sure the ends were dismantled. And welding the dismantled ends. After all the ends be cool, assemble the ends & use new gasket to prevent from leaking.