



SPECIFICATION

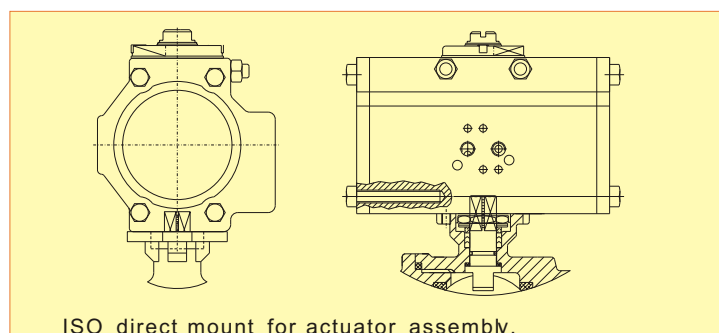
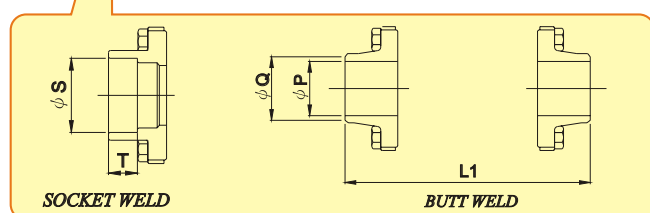
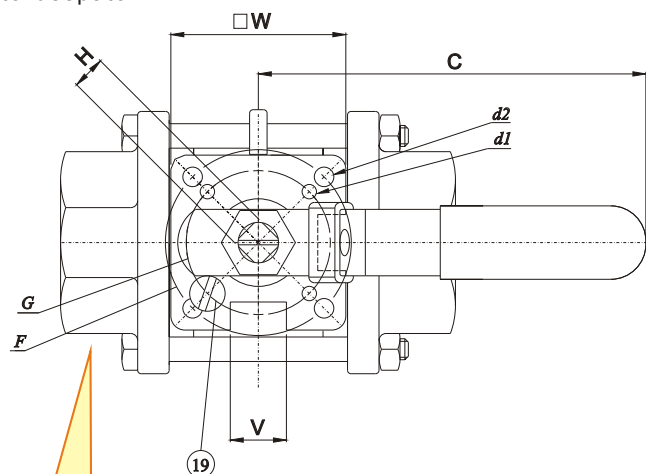
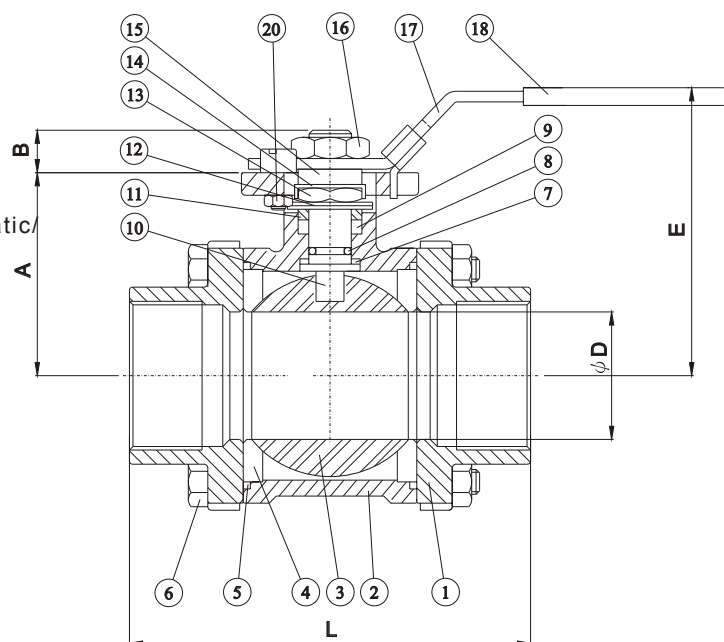
- * Body & end caps quality investment casting
- * with ISO 5211 direct mounting pad
- * Adjustable stem packing
- * Available in stainless steel or carbon steel
- * Blow-out proof stem design
- * 100% air tested under water at 80-100 psi
- * Working pressure: 1000/ 800 psi
- * Temperature range -20°F to 450°F
- * with locking function
- * End type: threaded, socket weld, butt weld

OPTION

- * Spring return handle ("deadmans" handle)
- * Oval handle
- * Automation application
- * PTFE/ PFA coating (40-70 um)
- * V-ball for control valve in 15°, 30°, 60°, 90°, slot
- * Hastalloy C/ Super duplex/ Alloy 20/ Monel

ZIPSON'S 302F, 3-piece ball valve with ISO direct mounting pad is designed for most of the industrial pipelines in full port applications. The end types can be Threaded/ Socket Weld/ Butt Weld. 3-piece ball valve is designed for ease of in-line repair. A range of different seat and seal kit materials for different working conditions.

The standard bare stem valve is designed for direct mounting of an actuator. ZIPSON Valves can offer pneumatic/ electric actuator and limit switch box/ solenoid valve/ modulating controller...assembled and function tested prior to despatch.



DIMENSIONS (mm)

SIZE	A	B	C	D	d1	d2	E	F	G	H	L	S	T	P	Q	L1	V	W
1/4"	37	11	130	11	6.0	6.0	58	36	42	9	60.5	14.2	11.1	10	12.5	60.5	19	44
3/8"	37	11	130	12.5	6.0	6.0	58	36	42	9	60.5	17.5	11.1	12	14.5	60.5	19	44
1/2"	37	11	130	15	6.0	6.0	58	36	42	9	63.5	21.8	12.7	15	17.5	63.5	19	44
3/4"	40	11	130	20	6.0	6.0	64	36	42	9	75.5	27.1	14.3	20	22.5	75.5	19	44
1"	48	14	155	25	6.0	7.0	77	42	50	11	86	33.8	15.9	25	28	86	24	52
1 1/4"	53.5	14	155	32	6.0	7.0	83	42	50	11	96	42.5	17.5	32	35	104	24	52
1 1/2"	63.5	18	205	38	7.0	9.0	92	50	70	14	111	48.7	19.1	38	41	117	28	53
2"	72	18	205	50	7.0	9.0	100	50	70	14	129	61.1	22.2	50	54	138	28	53
2-1/2"	92	22	290	65	9.0	11.3	140	70	102	17	152.5	73.9	22.2	65	70	170	-	-
3"	102	22	290	80	9.0	11.3	150	70	102	17	168.5	89.9	25.4	80	85	192	-	-
4"	32	26	335	100	11.3	13.5	195	102	125	22	212.5	115.2	32	100	105	226	-	-

BREAK-TORQUE VALUE (Nm/ at 0 psi)

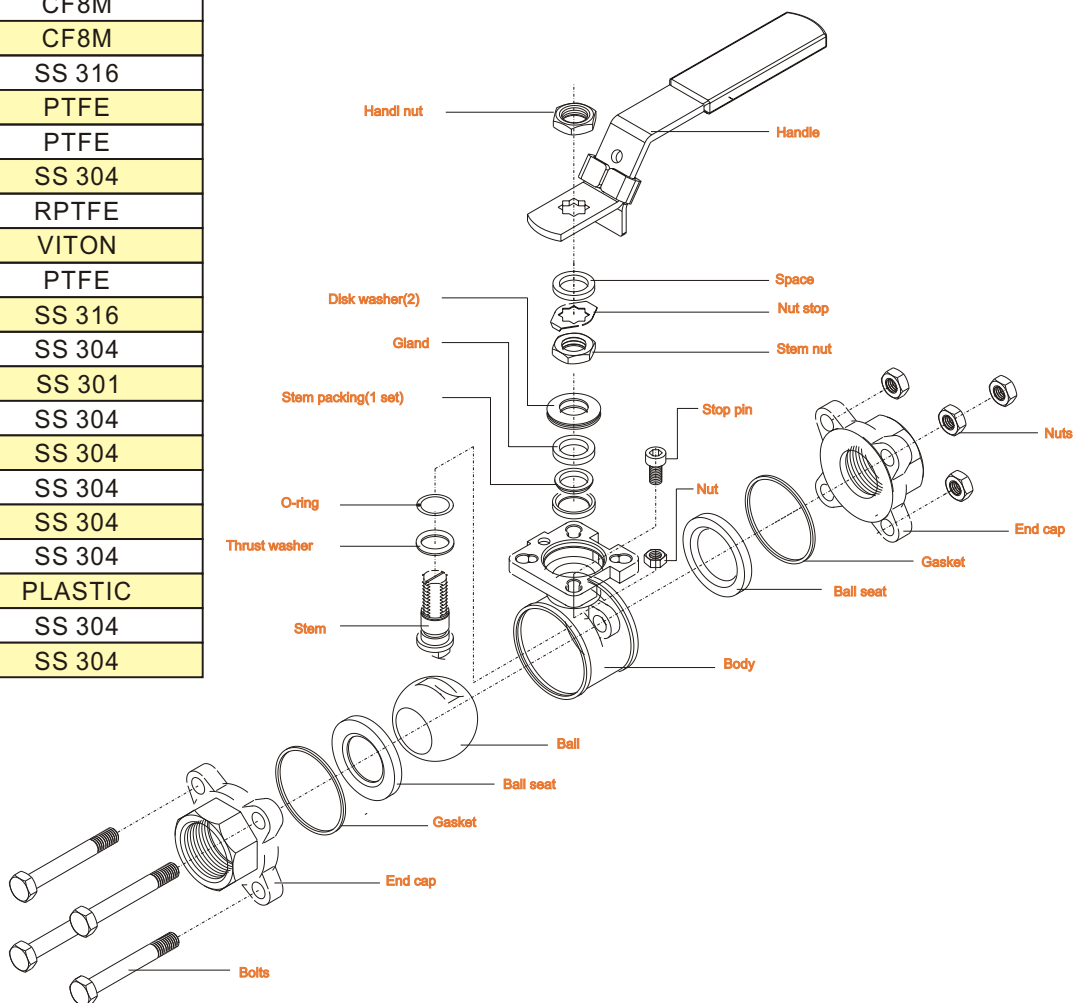
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2-1/2"	3"	4"
GREASE	3.5	3.5	5	5.5	7	11	17	23	35	46	72
NON-GREASE	5	5	6	7	9.5	16	27	30	68	85	105

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

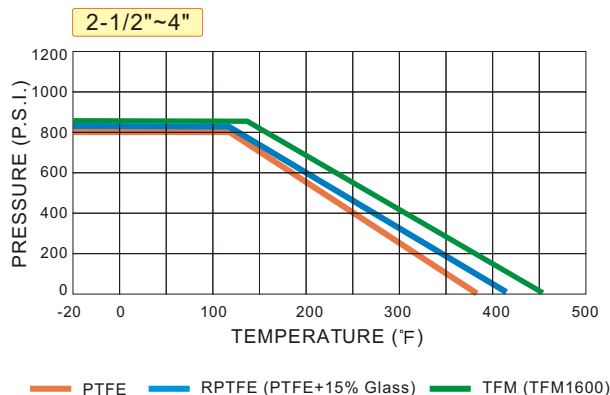
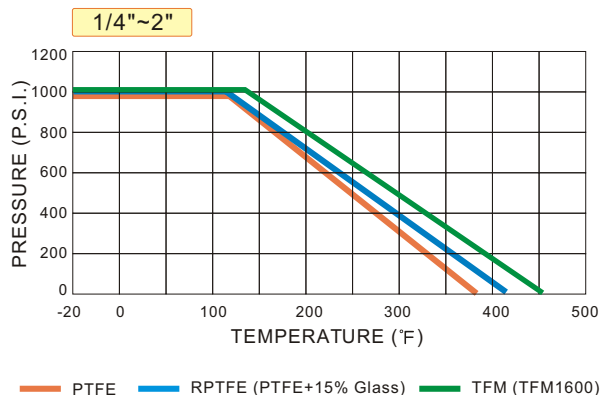
Note 2: Strongly suggest increasing at least 30%~40% for safety factor for mounting actuator.

MATERIALS LIST

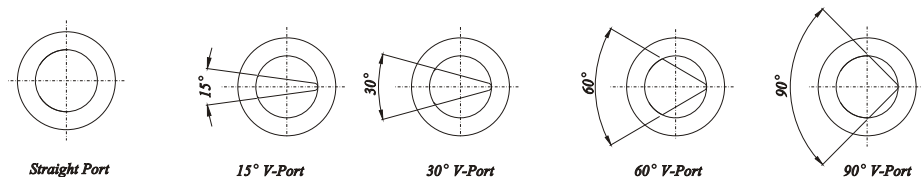
ITEM	PART NAME	MATERIALS
1	END CAP	CF8M
2	BODY	CF8M
3	BALL	SS 316
4	SEAT	PTFE
5	GASKET	PTFE
6	BOLTS	SS 304
7	THRUST WASHER	RPTFE
8	O-RING	VITON
9	STEM PACKING	PTFE
10	STEM	SS 316
11	GLAND	SS 304
12	DISK WAHSER	SS 301
13	STEM NUT	SS 304
14	NUT STOP	SS 304
15	SPACE WASHER	SS 304
16	HANDLE NUT	SS 304
17	HANDLE	SS 304
18	HANDLE COVER	PLASTIC
19	STOP PIN	SS 304
20	NUT	SS 304



PRESSURE/ TEMPERATURE



V-BALL FOR MODULATING CONTROLLER



Suggestion!

1. After dismantling the ball valve, replace with new Repair Kits
2. PTFE is better than RPTFE (+15% Glass) as operation of the valve by an actuator, with Glass fibre may damage the ball and will cause an increase in torque values after 500 operations. available options are TFM or PTFE+25% Carbon.
3. Ends must be removed before welding the ends must be allowed to cool before reassembly. replacement of the seals is recommended to prevent leakage.