



ZIPSON'S 302S, 3-piece sanitary ball valve with ISO direct mounting pad is designed for food, biological, pharmaceuticals or similar industries.

302S type is a **EC 1935 & 3-A Sanitary Standard Certified valve**, the 3-A design can be an option.

The cavity filled seat option will help not to remain the media in the body cavity to keep from spoiling or mixing. Cavity filler seats will also help to clean the valve port easily.

The options on end types can be T-Clamp, Tube weld end, Extended tube weld, and **SMS 3008** end. Different material of soft kits will be applicable for different working circumstance.

ASME/ BPE (for SS316L) standard are available on 302SD, with low ferrite (<3%), and low sulphur (0.005% to 0.017%). The finish are available for Ra 40 u-in or Ra 25 u-in.

302S type can be with V-ball for flow control. ZIPSON offer pneumatic/ electric actuator, limit switch box/ solenoid valve/ modulating controller for option.

SPECIFICATION

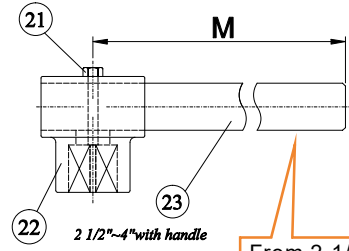
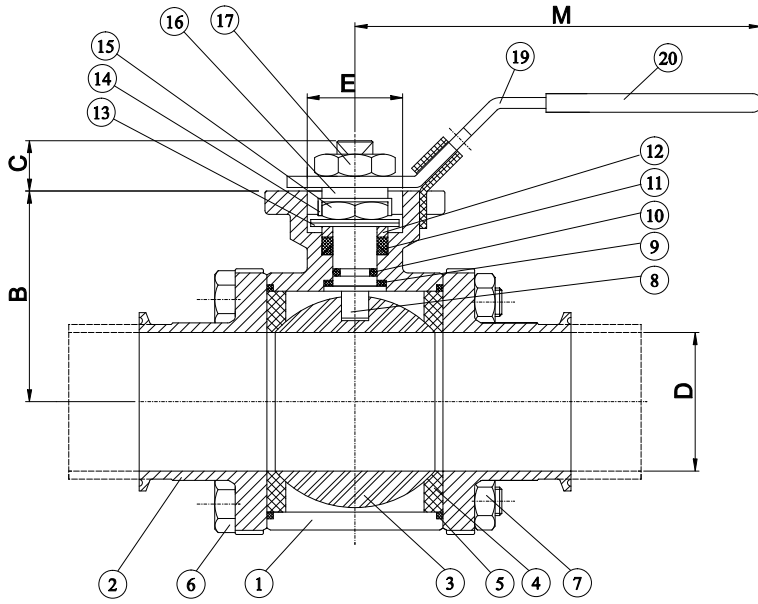
- * Body & end caps quality investment casting
- * **Regulation (EC) No. 1935/ 2004; (EU) 10/2011**
- * with ISO 5211 direct mounting pad
- * Adjustable stem packing
- * Available in stainless steel & special alloy (HC-22)
- * Blow-out proof stem design
- * 100% air tested under water at 80-100 psi
- * Working pressure: 1000/ 800/ 600 psi
- * FDA Viton O-ring
- * with locking function
- * End type: T-Clamp, Tube, Ex-tube, **SMS 3008, DIN 32676 (Tri-Clamp)**
- * 6 bolts & nuts for 4" valve

OPTION

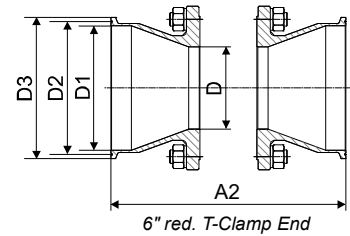
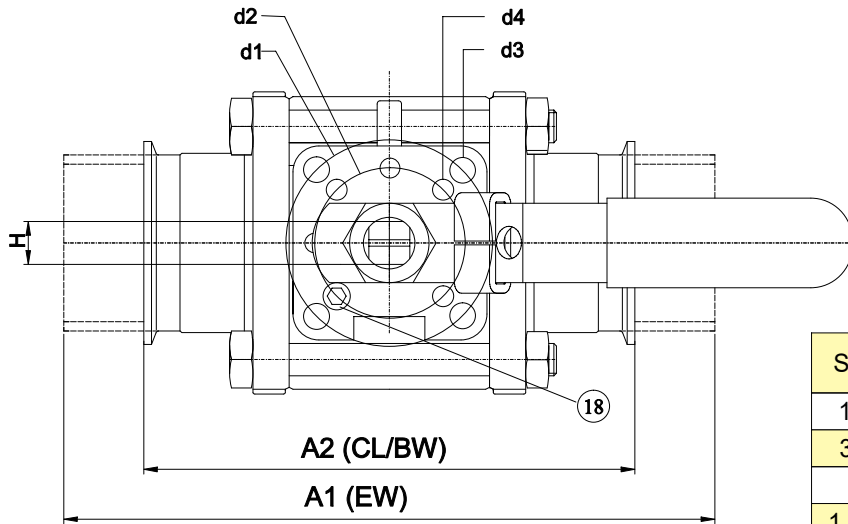
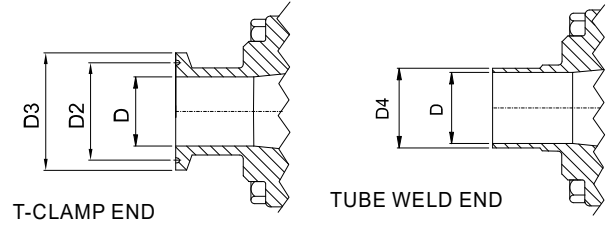
- * **3-A Sanitary Certified**
- * **Self-Flushing valve design**
- * **V-ball for control valve in 15°, 30°, 60°, 90°, slot**
- * Cavity filled seats
- * Spring return handle (dead-man handle)
- * Internal Polish to SF5 (0.5 um)
- * Surface with E/P (Electric Polish)
- * Limit switch box with handle
- * ASME/ BPE (for SS316L)
Low Ferrite (<3%)/ low sulphur (0.005% to 0.017%)
Super Low Ferrite <1% casting
- * Automation application
- * Special alloy CX2MW (Hastelloy C-22) available



302S, surface with E/P (electric polish)



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



SIZE	D	D1	D2	D3	D4
1/2"	9.6	-	21.7	25	12.7
3/4"	15.8	-	21.7	25	19.05
1"	22.1	-	43.5	50.4	25.4
1 1/2"	34.8	-	43.5	50.4	38.1
2"	47.5	-	56.5	63.9	50.8
2 1/2"	60.2	-	70.5	77.4	63.5
3"	72.9	-	83.3	90.9	76.2
4"	97.4	-	110.3	118.9	101.6
6", red.	97.4	146.85	156.9	166.9	-

DIMENSIONS (mm)

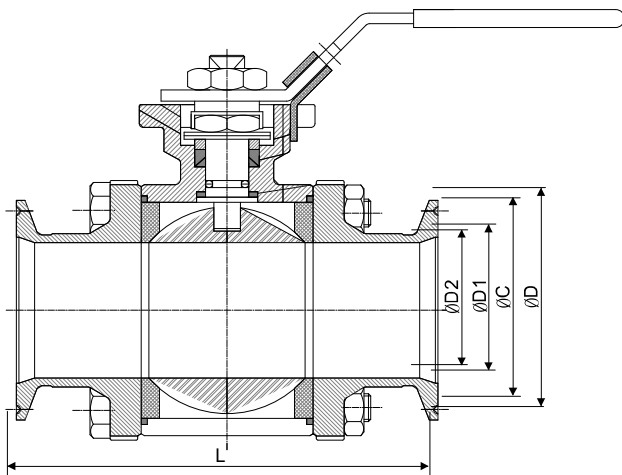
SIZE	A1	A2	B	C	d1	d2	d3	d4	E	H	M	ISO 5211 Pattern
1/2"	124.4	88.9	38	9.5	42	36	6.0	6.0	25	9	135	F03/ F04
3/4"	142.2	101.6	38	9.5	42	36	6.0	6.0	25	9	135	F03/ F04
1"	162.3	114.3	48	14	50	42	7.0	6.0	30	11	155	F04/ F05
1 1/2"	182.8	139.7	60	18	70	50	9.2	7.0	35	14	205	F05/ F07
2"	193.0	158.8	69	18	70	50	9.2	7.0	35	14	205	F05/ F07
2 1/2"	254.1	171.5	89	20	102	70	11.3	9.0	55	17	300	F07/ F10
3"	276.9	196.8	98	20	102	70	11.3	9.0	55	17	300	F07/ F10
4"	304.9	241.3	130	26	125	102	13.5	11.3	70	22	350	F10/ F12
6", red.	-	328.3	130	26	125	102	13.5	11.3	70	22	350	F10/ F12

MATERIALS LIST

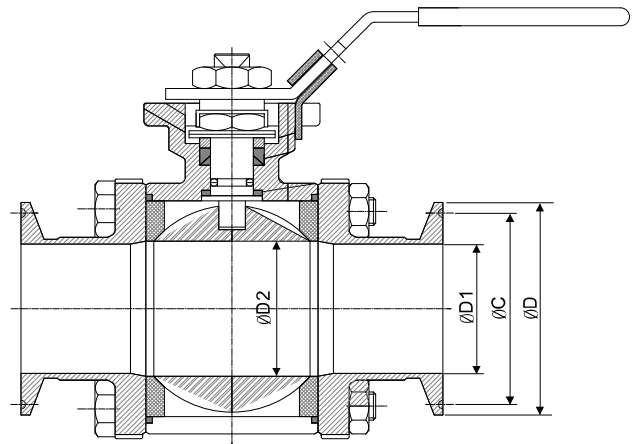
NO.	NAME OF PARTS	MATERIALS	OPTION	QTY
1	BODY	A351 Gr. CF8M	A351 Gr. CF3M	1
2	END CAP	A351 Gr. CF8M	A351 Gr. CF3M	2
3	BALL	CF8M	CF3M	1
4	BALL SEAT	PTFE	TFM1600	2
5	GASKET	PTFE	PTFE	2
6	BODY BOLT	SS 304	SS 304	4*
7	BODY NUT	SS 304	SS 304	4*
8	STEM	SS 316	SS 316L	1
9	THRUST WASHER	RPTFE	RPTFE	1
10	O-RING	VITON (FDA)	VITON (FDA)	1
11	STEM PACKING	PTFE	TFM	1 SET
12	GLAND WASHER	SS 304	SS 304	1
13	DISC WASHER	SS 301	SS 301	2
14	NUT STOPPER	SS 304	SS 304	1
15	STEM NUT	SS 304	SS 304	1
16	SPACE WASHER	SS 304	SS 304	1
17	HANDLE NUT	SS 304	SS 304	1
18	STOP PIN	SS 304	SS 304	1
19	HANDLE	SS 304	SS 304	1
20	SLEEVE	PLASTIC	PLASTIC	1
21	SET BOLT	SS 304	SS 304	1
22	Handle HEAD	CF8	CF8	1
23	PIPE HANDLE	SS 304	SS 304	1

* 4" with 6 bolts & nuts


DIN 32676, T-Clamp




Size: 1/2", 1", 1-1/2", 2", 2-1/2", 3", 4"
DN15, 25, 40, 50, 65, 80, 100



Size: 3/4" / DN20



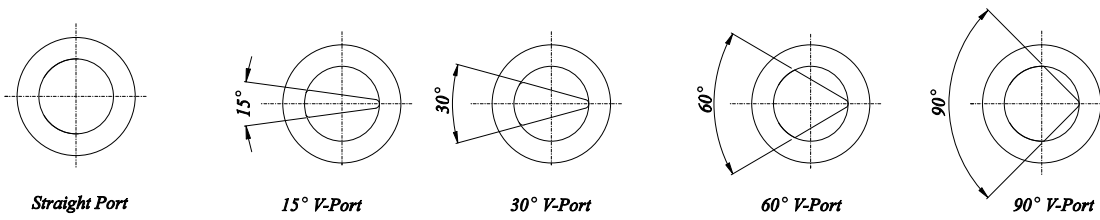
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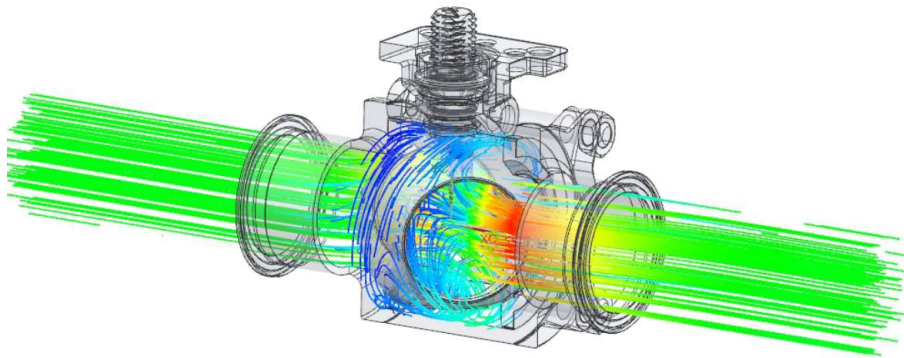
ZIPSON Passed Regulation (EC) No. 1935/ 2004

SIZE	D1	D2	L	C	D	Original body size
1/2"	16	15.8	101.6	27.5	34	DN20
3/4"	20	22.1	101.6	27.5	34	DN25
1"	26	22.1	114.3	43.5	50.5	DN25
1 1/2"	38	34.8	139.8	43.5	50.5	DN40
2"	50	47.5	158.8	56.5	64	DN50
2 1/2"	66	60.2	171.5	83.5	91	DN65
3"	81	72.9	196.3	97.0	106	DN80
4"	100	97.3	241.3	110	119	DN100

V-BALL FOR MODULATING CONTROLLER

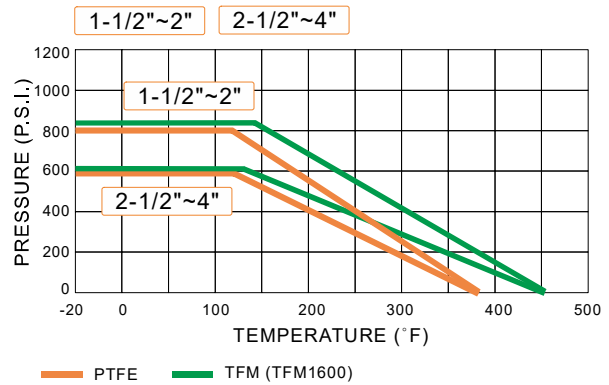
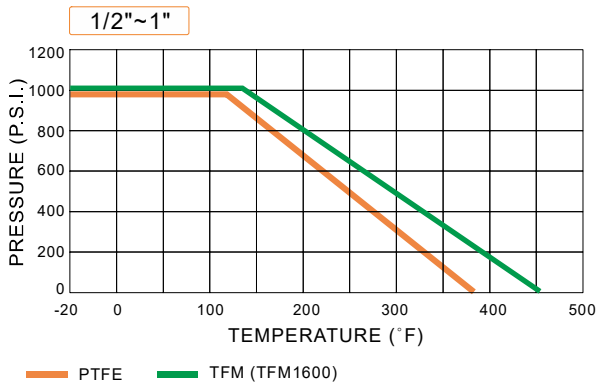


SELF-FLUSHING VALVE DESIGN



ZIPSON'S 302S valve can be with an option of SELF-CLEANING/ FLUSHING design. The valve clean itself by the media while it flow through the valve, the special designed ball let the media go through all the valve cavity and flush the deposited media and substance left in the valve.

PRESSURE/ TEMPERATURE



BREAK-TORQUE VALUE (Nm/ at 0 psi)

SIZE	1/2"	3/4"	1"	1-1/2"	2"	2- 1/2"	3"	4"
NON-GREASE	7	8	11	30	33	75	94	116

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

OPTIONS ON 302S



- Manual valve with limit switch box (special bracket)



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