FS313L 不銹鋼加長焊口禁油球塞閥

FS036N 不銹鋼法蘭口禁油球塞閥

FS312N 不銹鋼牙口二片式禁油球塞閥

FS311N 不銹鋼牙口一片式禁油球塞閥

FS313SRN 不銹鋼卡套接頭球塞閥

FS313N、FS313D、FS313C*C三片式禁油球閥

FS027N 禁油不銹鋼偏心蝶閥

FS039N 禁油不銹鋼止回閥

FS-313L 禁油不銹鋼球塞閥 加長對焊 EXTENDED BUTT WELD END STAINLESS STEEL BALL VALVES (OIL FREE)

NOMENCLATURE AND MATERIALS

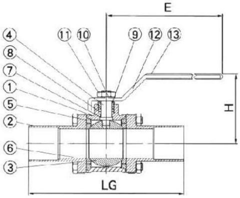
NO.	PARTNAME	MATERIAL	NO.	PARTNAME	MATERIAL
1	閥體	CF8M	9	壓蓋螺母	SUS304
2	旋塞	CF8M	10	心軸墊片	SUS304
3	球體	SUS316	11	心軸螺母	SUS304
4	心軸	SUS316	12	手把	SUS304
5	套環	PTFE	13	手把套	VINYL
6	密封圈	PTFE			
7	墊圈	PTFE			
8	心軸密封	PTFE			

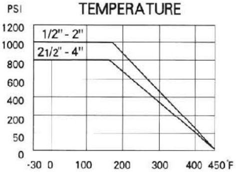
公稱壓力	最高使用壓力		試驗壓力（水壓）	
6.3Mpa	120℃ 以下之 水、油、瓦斯	蒸汽160℃	閥體	閥座
	7Mpa	0.6Mpa	9.5Mpa 或 空氣壓 0.6Mpa	7Mpa 或 空氣壓 0.6Mpa

FIG: FS313L
禁油加長對焊式

DIMENSIONS / FS313L

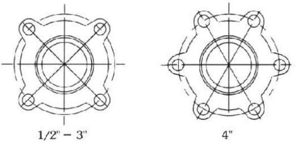
SIZE	D	E	H	F	T		LG
					5S	10S	
3/8"	12.7	95	50	17.3	1.2	1.65	120
1/2"	15	13	55	21.7	1.65	2.1	150.7
3/4"	20	133	59	27.2	1.65	2.1	155.7
1"	25	153	70	34	1.65	2.8	186.2
11/4"	32	153	75	42.7	1.65	2.8	195.6
11/2"	38	190	84	48.6	1.65	2.8	231.6
2"	50	190	92	60.5	1.65	2.8	243.4
21/2"	65	247	128	76.3	2.1	3.0	290.2
3"	80	247	137	89.1	2.1	3.0	302.2
4"	100	295	173	114.3	2.1	3.0	326.2
3/8"	1.27	75	50	17.3	1.2	1.65	120

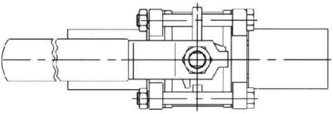




☆拋光度 #380

☆可加裝purge part



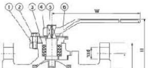


FS-036N PN16 ANSI-150 禁油不銹鋼球塞閥法蘭式 FLANGED END STAINLESS STEEL BALL VALVES (OIL FREE)

NOMENCLATURE AND MATERIALS

NO. PART	MATERIAL WCB	MATERIAL CF8	MATERIAL CF8M	FC20		WCB	CF8	CF8M	FC20
1 迫緊壓蓋	A283	304SS	316SS	FCD450	7 閥體	A216-WCB	A351-CF8	A351-CF8M	FC20
2 固定螺絲	A193-B7	A193-B8	A193-B8	A193B7	8 密封圈	PTFE	PTFE	PTFE	PTFE
3 心軸迫緊	PTFE	PTFE	PTFE	PTFE	9 球體	A351-CF8	A351-CF8	A351-CF8M	A351-CF8
4 把手	FCD45	FCD45	FCD45	FCD45	10 迫緊	PTFE	PTFE	PTFE	PTFE
5 心軸	304SS	304SS	316SS	304SS	11 固定螺絲	A193-B7	A193-B8	A193-B8	A193B7
6 定位片	A356	A356	A356	304SS	12 旋塞	A216-WCB	A351-CF8	A351-CF8M	FC20

FIG: FS036N
禁油法蘭式

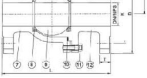


公稱壓力	最高使用壓力	試驗壓力（水壓）	
		閥體	閥座
150LB	150PSI	31kgf/cm²	23kgf/cm²
PN16	1.76Mpa	2.4Mpa 或 空氣壓 0.6Mpa	1.76Mpa 或 空氣壓 0.6Mpa

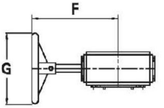
DIMENSIONS / FS036

SIZE		DIMENSION (mm)										
INCH	DN (mm)	H	W	L	D		K		nxd		T	
		PN16 & 150LB			PN16	150LB	PN16	150LB	PN16	150LB	PN16	150LB
1/2"	15	85	135	108	95	89	65	60.5	4x14	4x16	14	
3/4"	20	90	135	117	105	98	75	70	4x14	4x16	16	
1"	25	100	135	127	115	108	85	79	4x14	4x16	16	
1 1/2"	40	110	230	165.1	150	127	110	98.5	4x18	4x16	18	17.5
2"	50	120	230	177.8	165	152	125	120.5	4x18	4x19	20	19.1
2 1/2"	65	160	400	190.5	185	178	145	139.5	4x18	4x19	20	22.3
3"	80	170	400	203.2	200	190	160	152.5	4x18	4x19	20	23.9
4"	100	185	500	228.6	220	229	180	190.5	8x18	8x19	22	23.9
5"	125	260	500	355.6	250	254	210	216	8x18	8x22	22	23.9
6"	150	280	700	393.7	285	279	240	241.5	8x22	8x22	24	25.4
8"	200	340	1100	420	340	343	295	298.5	12x22	8x22	26	28.6
10"	250	340	1100	533	406	406	355	362	12x26	12x25	29	30.2
12"	300	/	/	610	460	483	410	432	12x26	12x25	32	31.8

☆ 撳關度 #380



☆ 可加裝齒輪操作器，電動式，氧動式。



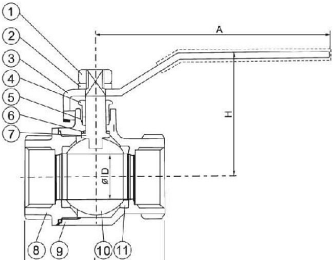
FS-312N 禁油不銹鋼球塞閥二件式 TWO PIECE STAINLESS STEEL BALL VALVES (OIL FREE)

NOMENCLATURE AND MATERIALS

NO.	PART	MATERIAL	SPEC.JIS	SPEC.ASTM
1	螺母	STAINLESS STEEL	SUS304	304 STAINLESS
2	垫圈	STAINLESS STEEL	SUS304	304 STAINLESS
3	把手	STAINLESS STEEL	SUS304	304 STAINLESS
4	压盖螺母	STAINLESS STEEL	SCS14	CF8M
5	心轴密封	TEFLON	PTFE	PTFE
6	心轴垫圈	TEFLON	PTFE	PTFE
7	心轴	STAINLESS STEEL	SCS14	CF8M
8	旋塞	STAINLESS STEEL	SCS14	CF8M
9	阀体	STAINLESS STEEL	SCS14	CF8M
10	球体	STAINLESS STEEL	SCS14	CF8M
11	密封圈	TEFLON	PTFE	PTFE
12	阀塞	STAINLESS STEEL	SCS14	CF8M
13	螺母	STAINLESS STEEL	SCS14	CF8M
14	螺丝	STAINLESS STEEL	SCS14	CF8M

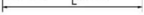
FIG: FS312N
禁油二片式

公稱壓力	最高使用壓力		試驗壓力（水壓）	
6.3Mpa	120℃ 以下之 水、油、瓦斯	蒸汽160℃	閥體	閥座
	7Mpa	0.6Mpa	9.5Mpa 或 空氣壓 0.6Mpa	7Mpa 或 空氣壓 0.6Mpa



DIMENSIONS / FS312N

SIZE		DIMENSION (mm)			
INCH	DN (mm)	L	H	D	A
FS312N					
1/2"	15	62.5	60	15	102
3/4"	20	73.5	63	20	125
1"	25	86	75	25	143
1 1/4"	32	101	80	32	143
1 1/2"	40	110	85	40	178
2"	50	123	100	50	178



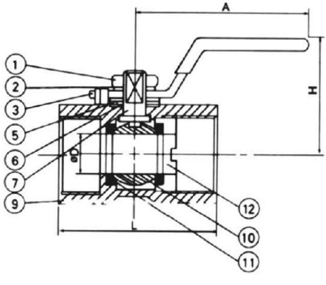
FS-311N 禁油不銹鋼球塞閥一件式 ONE PIECE STAINLESS STEEL BALL VALVES (OIL FREE)

NOMENCLATURE AND MATERIALS

NO.	PART	MATERIAL	SPEC.JIS	SPEC.ASTM	NO.	PART	MATERIAL	SPEC.JIS	SPEC.ASTM
1	螺母	STAINLESS STEEL	SUS304	304 STAINLESS	8	旋塞	STAINLESS STEEL	SCS14	CF8M
2	垫圈	STAINLESS STEEL	SUS304	304 STAINLESS	9	阀体	STAINLESS STEEL	SCS14	CF8M
3	把手	STAINLESS STEEL	SUS304	304 STAINLESS	10	球体	STAINLESS STEEL	SCS14	CF8M
4	压盖螺母	STAINLESS STEEL	SCS14	CF8M	11	密封圈	TEFLON	PTFE	PTFE
5	心轴密封	TEFLON	PTFE	PTFE	12	阀塞	STAINLESS STEEL	SCS14	CF8M
6	心轴垫圈	TEFLON	PTFE	PTFE	13	螺母	STAINLESS STEEL	SCS14	CF8M
7	心轴	STAINLESS STEEL	SCS14	CF8M	14	螺丝	STAINLESS STEEL	SCS14	CF8M

FIG: FS311N
禁油一片式

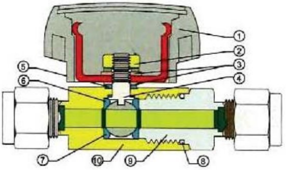
公稱壓力	最高使用壓力		試驗壓力（水壓）	
6.3Mpa	120℃ 以下之 水、油、瓦斯	蒸汽160℃	閥體	閥座
	7Mpa	0.6Mpa	9.5Mpa 或 空氣壓 0.6Mpa	7Mpa 或 空氣壓 0.6Mpa



DIMENSIONS / FS311N

SIZE		DIMENSION (mm)			
INCH	DN (mm)	L	H	D	A
FS311N					
1/4"	6	39	32.5	5	70
3/8"	10	56	33	7	70
1/2"	15	59.7	37	9.2	90
3/4"	20	70.7	42	12.5	90
1"	25	78	52	16	110
1 1/4"	32	84	60	20	110
1 1/2"	40	100	63	24.5	140
2"	50	100	70	32	140

FS-313SRN 禁油不銹鋼卡套接頭球塞閥 STAINLESS STEEL BALL´VALVES RING&NUT (OIL FREE)



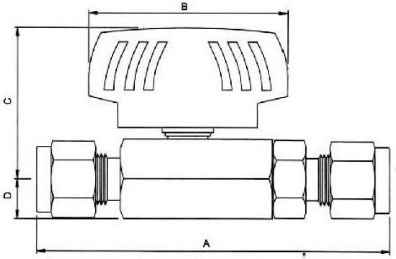
Item 項 次	Parts Name 零部件名稱	Material 材質名稱	Description 材質編號
1	Handle (手柄)	Black Phenolic or Zinc Alloy	
2	Lock Nut (手柄固定螺帽)	Stainless Steel (不锈钢)	ASTM 276-304
3	Washer (垫片)	Stainless Steel(不锈钢)	ASTM 276-304
4	Stem (阀桿)	Stainless Steel (不锈钢)	ASTM 276-316 / 304
5	Gland Packing (填料)	PTFE (聚四氟乙烯) or Other Material (其它材质)	
6	Ball (球体)	Stainless Steel (不锈钢)	ASTM 479-316 / 304
7	Seat (阀座)	PTFE (聚四氟乙烯) or Other Material (其它材质)	
8	Body Seal (本体密封圈)	Buna-N (丁氰橡胶) or Viton (氟素橡胶)	
9	End Cap (侧盖)	Stainless Steel (不锈钢)	ASTM 479-316 / 304
10	Body (本体)	Stainless Steel (不锈钢)	ASTM 479-316 / 304

Remark (备注):

1. The temperature rating of O-ring seal. (O形密封圈额定温度)。
   Buna-N: -30 to 250° F(-34 to 121℃), Viton (Fluorocarbon): -15 to 400° F (-26 to 204℃)
2. The other material is available upon request. (可依照客户要求选用其它材质)。

BVL SS304 1000PSI

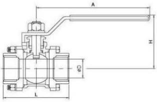
FIG: FS31SRN
禁油卡套接頭



DIMENSIONS / FS-313SRN

Conn. / Size 連接尺寸	Orifice 流孔孔徑		Conn. / Size 連接尺寸	Dimensions (mm)-尺寸表			
Inlet / Outlet 進口 / 出口尺寸	mm	In.	Inlet / Outlet 進口 / 出口尺寸	A	B	C	D
1/4"OD	5	0.197	1/4"OD	74.3	41	33	8.5
3/8"OD			3/8"OD	78.3	41	35	9.5
1/2"OD	10	0.394	1/2"OD	91	50	41	13.5

FS-313N 禁油不銹鋼絲口球塞閥三片式 THREE PIECES STAINLESS STEEL BALL VALVE



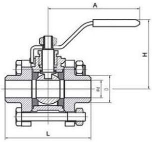
最高使用壓力	
常溫之水、油、瓦斯及空氣	飽和蒸汽
1.6Mpa	0.6Mpa

零件PART	材質MATERIAL	
閥 體 BODY	STAINLESS STEEL	CF8M
閥 蓋 BONNET	STAINLESS STEEL	CF8M
閥 桿 STEM	STAINLESS STEEL	SUS 316
閥 球 BALL	STAINLESS STEEL	CF8M
球 墊 BALL SEAT	PTFE	PTFE
把 手 HANDLE	STAINLESS STEEL	SUS 304
螺 栓 BOLT	STAINLESS STEEL	SUS 304
螺 帽 NUT	STAINLESS STEEL	SUS 304

單位/mm

尺寸	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
D	10	12	15	20	25	32	38	50	65	80	100
L	67.5	67.5	72.5	81.5	88	108	120	142	181	210	267
H	51	51	52.5	67.5	71	89	91.5	99	135	140	170
A	80	80	105	115	135	165	165	170	240	240	260

FS-313D 禁油不銹鋼對焊球塞閥三片式 THREE PIECES STAINLESS STEEL BALL VALVE



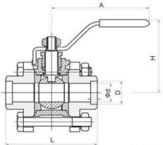
最高使用壓力	
常溫之水、油、瓦斯及空氣	飽和蒸汽
1.6Mpa	0.6Mpa

零件PART	材質MATERIAL	
閥 體 BODY	STAINLESS STEEL	CF8M/CF8
閥 蓋 BONNET	STAINLESS STEEL	CF8M/CF8
閥 桿 STEM	STAINLESS STEEL	SUS 316/SUS 304
閥 球 BALL	STAINLESS STEEL	CF8M/CF8
球 墊 BALL SEAT	PTFE	PTFE
把 手 HANDLE	STAINLESS STEEL	SUS 304
螺 栓 BOLT	STAINLESS STEEL	SUS 304
螺 帽 NUT	STAINLESS STEEL	SUS 304

單位/mm

尺寸	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
D	13.5	16.8	21.4	26.7	33.4	42.2	48.5	60.5	76.3	89.1	114.3
L	67.5	67.5	72.5	82.5	94	110	123	145	189	215	236
H	51	51	52.5	67.5	71	89	91.5	99	125	135	160
A	80	80	105	115	135	165	165	170	265	265	330

FS-313C×C 禁油不銹鋼承插焊球塞閥三片式 THREE PIECES STAINLESS STEEL BALL VALVE



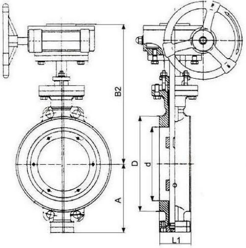
最高使用壓力	
常溫之水、油、瓦斯及空氣	飽和蒸汽
1.6Mpa	0.6Mpa

零件PART	材質MATERIAL	
閥 體 BODY	STAINLESS STEEL	CF8M/CF8
閥 蓋 BONNET	STAINLESS STEEL	CF8M/CF8
閥 桿 STEM	STAINLESS STEEL	SUS 316/SUS 304
閥 球 BALL	STAINLESS STEEL	CF8M/CF8
球 墊 BALL SEAT	PTFE	PTFE
把 手 HANDLE	STAINLESS STEEL	SUS 304
螺 栓 BOLT	STAINLESS STEEL	SUS 304
螺 帽 NUT	STAINLESS STEEL	SUS 304

單位/mm

尺寸	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
D	14	17.5	22	27.5	34	43	49	61	77	90	115
Φd	8	10	15	20	25	32	38	49	65	80	100
L	67.5	67.5	72.5	82.5	90	110	123	145	189	215	236
H	51	51	52.5	67.5	71	89	91.5	99	125	135	160
A	80	80	105	115	135	165	165	170	265	265	330

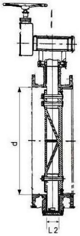
FS-027N 禁油不銹鋼偏心式蝶閥 STAINLESS STEEL BUTTERFLY VALVE(OIL-FREE)

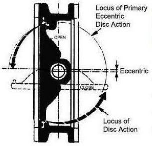


壓力等級 standared pressure	JIS10K PN10 PN16
法蘭規格 flange type	ANSI B16.5 CLASS150

測試壓力 test pressure (依據相應壓力等級)	BODY*1.5 SEAT*1.1

零件PART	材質MATERIAL		可變更材質
閥 體 BODY	SUS304/316		WCB
閥 座 SEAT	PTFE		VITON/EPDM
閥 座 SEAT	SUS304/316		WCB
閥 桿 STEM	SUC304	A182F304	SUS316
葉 片 DISC	SUS304/316		WCB
固定片 BUSHING	304		316
彈 簧 O-RING	304		316
把 手 LEVER	SCS13	A351CF8	WCB
齒輪操作器 GEAR BOX	FC20	A126	SCS13

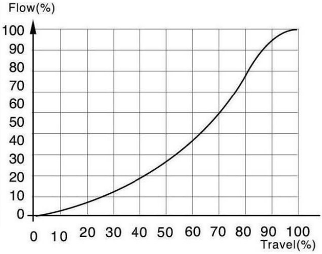




KV VALUE	OPENING POSITION			TORQUE (Nm)
	30°	60°	90°	
3"	22	78	168	60
4"	38	168	365	80
5"	74	312	654	150
6"	115	480	995	220
8"	218	919	1920	400
10"	339	1298	3286	600
12"	458	1946	4598	900
14"	596	2397	6078	1300
16"	688	2769	7285	1500
18"	876	3674	9144	2400
20"	1087	4887	11698	3500
24"	1748	7696	17355	4250

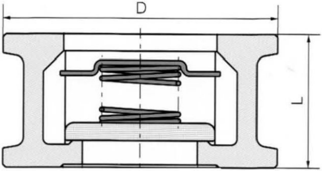
☆可承制尺寸至48"　單位/mm

SIZE	A	B1/B2	d	D	L1	L2
80	280	195/295	76	132	46	114
100	295	205/310	100	156	52	127
125	315	230/330	125	184	56	140
150	340	250/360	150	211	56	140
200	380	300/400	200	266	60	152
250	420	440	250	319	76	165
300	480	490	300	370	83	178
350	505	520	350	429	92	190
400	540	560	400	480	102	216
450	580	600	450	548	114	222
500	625	650	500	609	127	229
600	700	720	600	720	154	267
700	765	790	700	794	165	292
800	840	870	800	901	190	318
900	885	920	900	1001		330
1000	915	1015	1000	1112		410
1200	980	1100	1200	1328		470



FS039N 禁油不銹鋼止回閥 STAINLESS STEEL WAFER TYPE CHECK VALVES(OIL FREE)

最高使用壓力		試驗壓力（水壓）	
80℃以下 之静流水	80℃以下 之脉動水	閥體	閥座
1.6Mpa	1.0Mpa	2.4Mpa	1.76Mpa



零件PART	材質MATERIAL	
閥 體 BODY	STAINLESS STEEL	SCS14/SCS13
閥 盤 DISC	STAINLESS STEEL	SCS14/SCS13
閥 座 SEAT	NBR/EPDM/VITON	
彈 簧 SPRING	STAINLESS STEEL	SUS316
鉸鏈銷 HINGE PIN	STAINLESS STEEL	SUS304
停止銷 STOP PIN	STAINLESS STEEL	SUS304
塞 頭 PLUG	STAINLESS STEEL	SUS304
墊 片 WASHER	TEFLON	PTFE

單位/mm

SIZE	2	2-1/2	3	4	5	6	8	10	12
L	56	63	71	80	110	125	160	186	230
D	142	162	176	208	247	280	356	328	378