

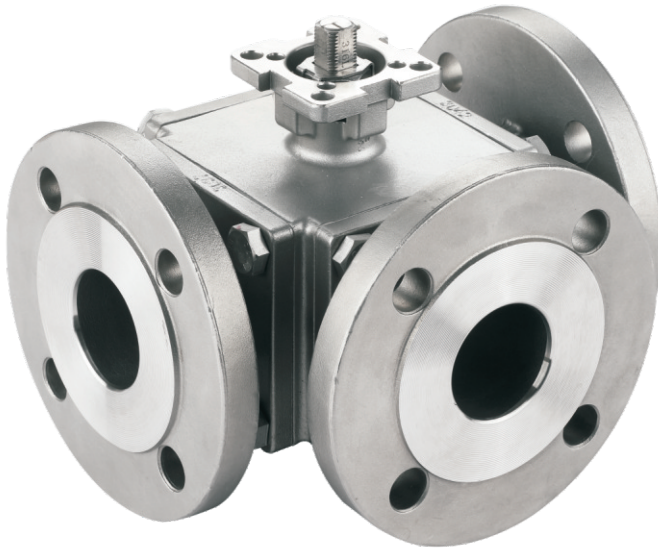
SIO
Valves & Automation



S288

**3 Way Full Port Ball Valve
with ISO 5211 Pad
CF8M- "L" Port**

3 Way Full Port Ball Valve with ISO 5211 Pad CF8M- "L" Port



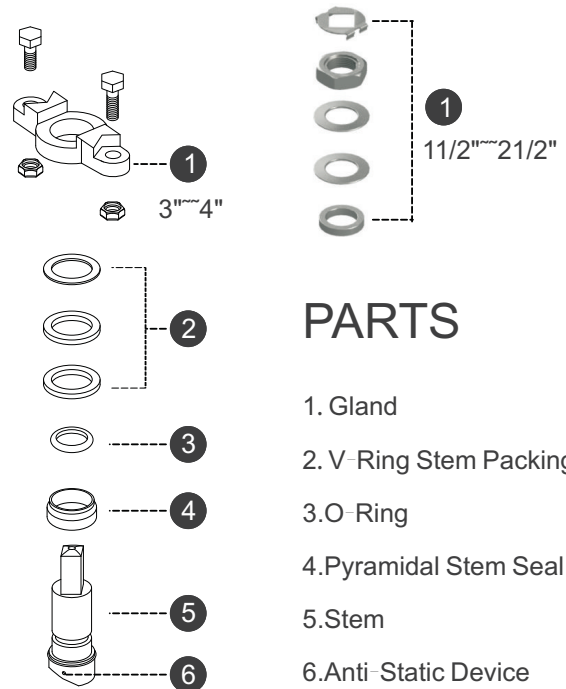
DESIGN FEATURE

1. Stainless steel full port ball valve.
2. "L" Ball configuration.
3. Flanges ends according to EN 1092-1.
PN40 from DN 40 to DN 50.
PN16 from DN 65 to DN 100.
4. Made of stainless steel CF8M
5. Design according to EN 12516-1.
6. Four Ball seats PTFE + 15 % G.F.
7. FKM (Viton) o'ring in the stem.
8. Anti-static device.
9. Locking system.
10. Direct mounting actuator according to ISO 5211.
11. Blow-out proof stem.
12. Max. working pressure 16 / 40 bar, according to size.
13. Working Temperature -25°C to $+150^{\circ}\text{C}$.

High Cycle Stem Design Features

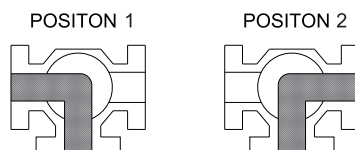
Three stages of stem sealing for effective control of stem leakage:

- **Pyramidal Body and Stem Seal (1st Stage):** Internal pressure of the valve pushes the pyramidal stem sealing upward. Because of its shape, the sealing expands to fill all the air pockets that might become a potential leakage path in the lower stem area.
- **Viton® O-Ring (2nd Stage):** The elastic nature of the Viton® O-Ring serves as an effective sealing for gaseous medium that might escape the 1st stage sealing.
- **V-Ring Stem Packing (3rd Stage):** Live loading action of the Bellville washer expands the V-Ring stem packing, filling all the air pockets in the outer stem area. It effectively seals internal media within as well as keeping external media from entering the system



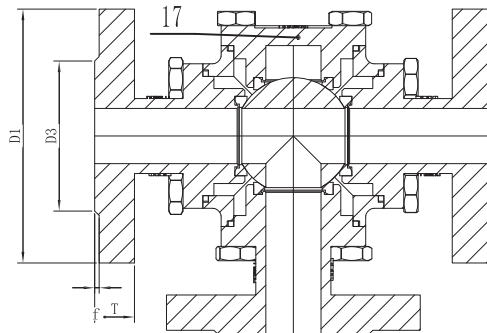
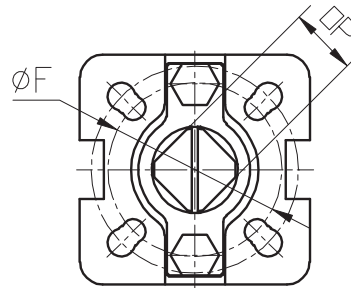
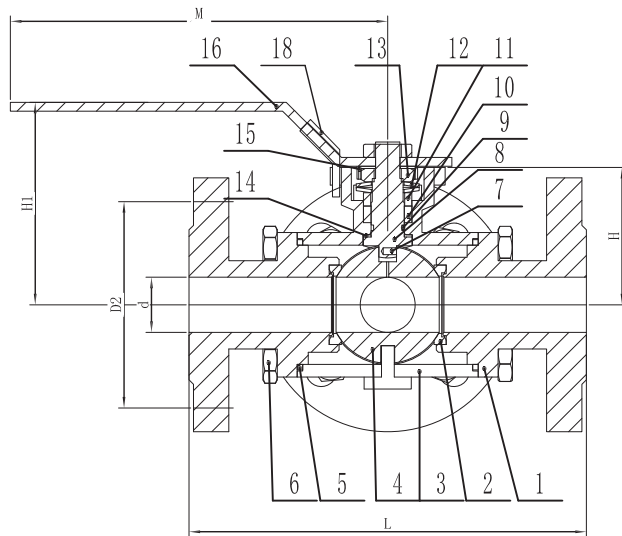
PARTS

1. Gland
2. V-Ring Stem Packing
3. O-Ring
4. Pyramidal Stem Seal
5. Stem
6. Anti-Static Device



Flow Patterns

3 Way Full Port Ball Valve with ISO 5211 Pad CF8M- "L" Port



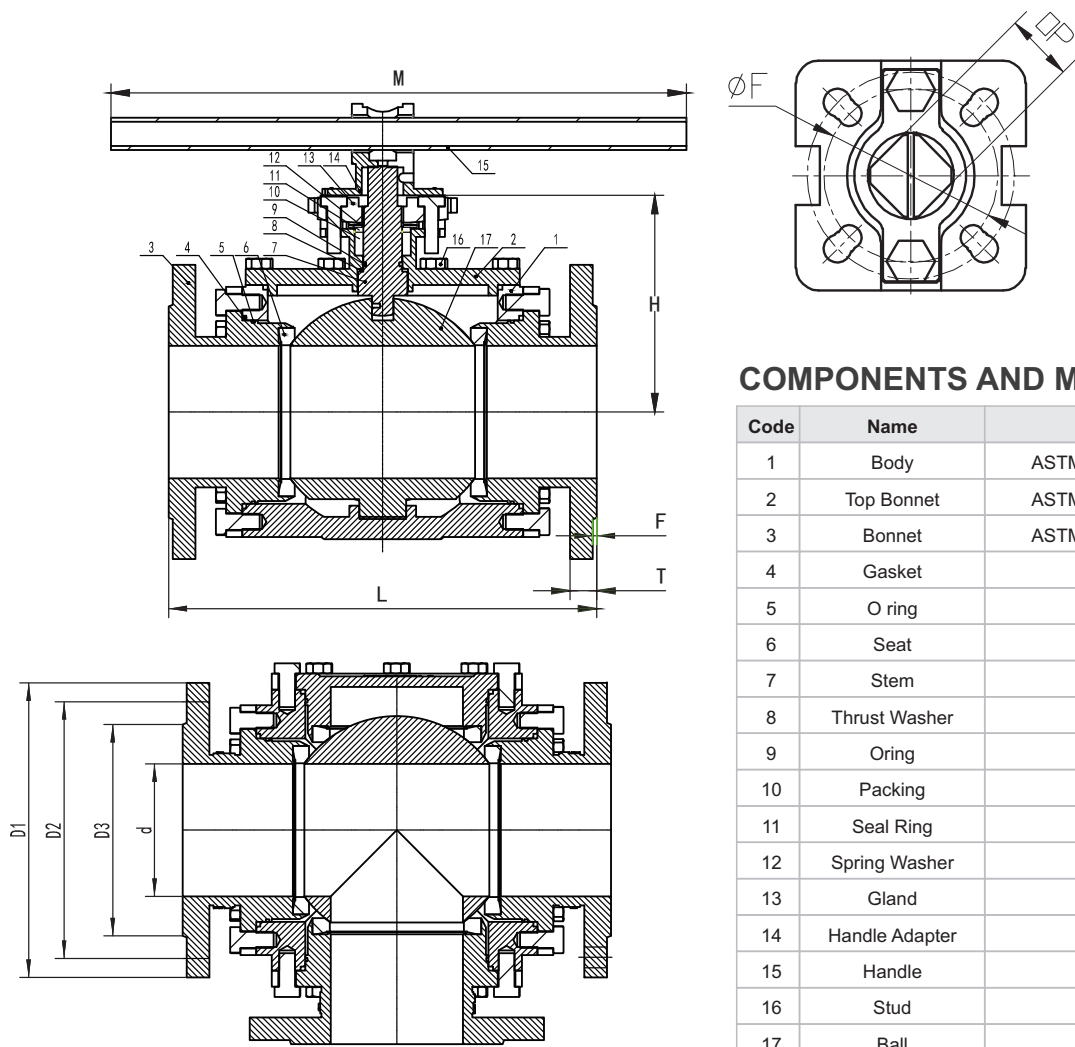
COMPONENTS AND MATERIALS

Code	Name	Material
1	Bonnet	ASTM A351 Gr CF8M
2	Seat	RPTFE
3	Body	ASTM A351 Gr CF8M
4	Ball	SS316
5	Gasket	PTFE
6	Stud	SS316
7	Anti-static Device	SS316
8	Stem	SS316
9	Oring	FKM
10	Packing	PTFE
11	Gland	SS304
12	Spring Washer	SS304
13	Stem Nut	SS304
14	Thrust Washer	PTFE
15	Nut Locker	SS304
16	Lever	SS
17	Back Cap	ASTM A351 Gr CF8M
18	Lever Lock	SS

Main Dimensions(mm)

FIG	SIZE	PN	d	L	D1	D2	D3	H	H1	M	F (ISO 5211)		P	T	f	Torque	Weight
S288 08	11/2"	40	38	210	150	110	88	81	110	250	F05	F07	14	18	2	38	14.3
S288 09	2"	40	49	230	165	125	102	90	120	250	F05	F07	14	20	3	50	18.9
S288 10	21/2"	40	63	290	185	145	122	107	150	365	F07	F10	17	18	3	110	27

3 Way Full Port Ball Valve with ISO 5211 Pad
CF8M- "L" Port



COMPONENTS AND MATERIALS

Code	Name	Material
1	Body	ASTM A351 Gr CF8M
2	Top Bonnet	ASTM A351 Gr CF8M
3	Bonnet	ASTM A351 Gr CF8M
4	Gasket	PTFE
5	O ring	FKM
6	Seat	RPTFE
7	Stem	SS316
8	Thrust Washer	PTFE
9	Oring	FKM
10	Packing	PTFE
11	Seal Ring	SS304
12	Spring Washer	SS304
13	Gland	SS304
14	Handle Adapter	SS
15	Handle	SS
16	Stud	SS304
17	Ball	SS316

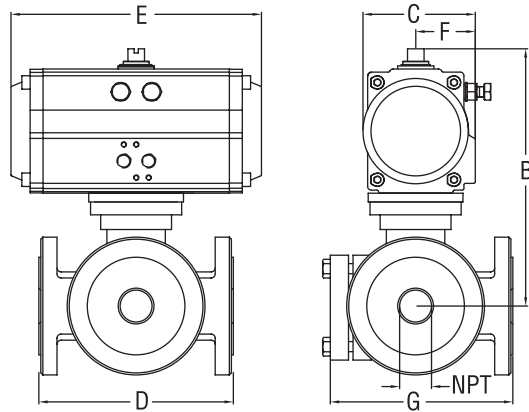
Dimension(mm), Torque(Nm)&Weight(Kgs)

FIG	SIZE	PN	d	L	D1	D2	D3	H	M	F (ISO 5211)		P	T	f	Torque	Weight
S288 11	3"	16	76	310	200	160	138	120.5	430	F07	F10	17	20	3	130	34.4
S288 12	4"	16	99	350	220	180	158	162	430	F07	F10	17	20	3	180	59

3 Way Full Port Ball Valve with ISO 5211 Pad CF8M- "L" Port



W/ PNEUMATIC ACTUATOR



DOUBLE ACTING ACTUATED

Main Dimension(mm)

ITEM	SIZE	SP	A	B	C	E	L	D
S094D 04	1/2"	63	168	85	20	83	108	48
S094D 05	3/4"	63	168	85	20	83	117	53
S094D 06	1"	63	168	85	20	83	127	58
S094D 07	1 1/4"	75	219	102.5	20	95.5	140	62
S094D 08	1 1/2"	75	219	102.5	20	95.5	165	75
S094D 09	2"	90	249	115	20	105.5	175	85
S094D 10	2 1/2"	100	274	127.5	20	122	190	104
S094D 11	3"	115	315	140	30	132.5	203	114
S094D 12	4"	125	355	156.5	30	150	229	135
S094D 14	6"	125	355	156.5	30	150	394	201
S094D 15	8"	160	452	196	30	185	457	245

SINGLE ACTING ACTUATED

Main Dimension(mm)

ITEM	SIZE	SP	A	B	C	E	L	D
S094S 04	1/2"	75	219	102.5	20	95.5	108	48
S094S 05	3/4"	75	219	102.5	20	95.5	117	53
S094S 06	1"	75	219	102.5	20	95.5	127	58
S094S 07	1 1/4"	90	249	115	20	105.5	140	62
S094S 08	1 1/2"	90	249	115	20	105.5	165	75
S094S 09	2"	100	274	127.5	20	122	175	85
S094S 10	2 1/2"	115	315	140	30	132.5	190	104
S094S 11	3"	145	417	176	30	169.5	203	114
S094S 12	4"	160	452	196	30	185	229	135
S094S 14	6"	190	540	231	30	215	394	201
S094S 15	8"	210	585	253	30	235	457	245

Pneumatic Actuators are selected with 5 bar air supply.



Authorized distributor

IMPORTANT NOTICE

- Data listed in the catalog, including dimensions, weights, specifications and other valve related data are intended to provide general information and guidance only.
- SIO valve assumes no responsibility for errors or inadequacy relevant to any information provided in this catalog. Any information provided in this catalog is subject to change without notice.
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