

SIO
Valves & Automation



S088N

**3 Pieces Stainless Steel Full
Port Ball Valve with ISO 5211
Direct Mount Pad**

SS316



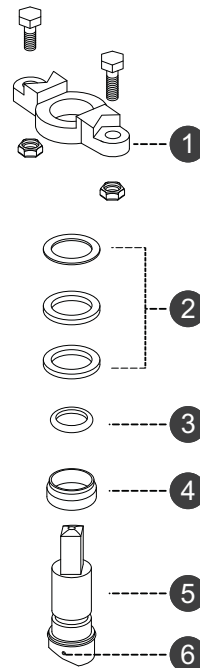
DESIGN FEATURE

1. Stainless steel full port ball valve, 3 pieces.
2. Thread ends according to ASME B1.20.1 NPT.
3. Made of stainless steel CF8M
4. Ball seats PTFE + 15 % G.F.
5. O'ring in the stem FKM (Viton).
6. Stem gasket PTFE
7. Direct mounting actuator ISO 5211.
8. Bare shaft (Stem)
9. Blow-out proof stem.
10. Max. working pressure 63 bar.
11. Working Temperature $-25^{\circ}\text{C} + 150^{\circ}\text{C}$.
12. Lever Operator is available upon request

High Cycle Stem Design Features

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

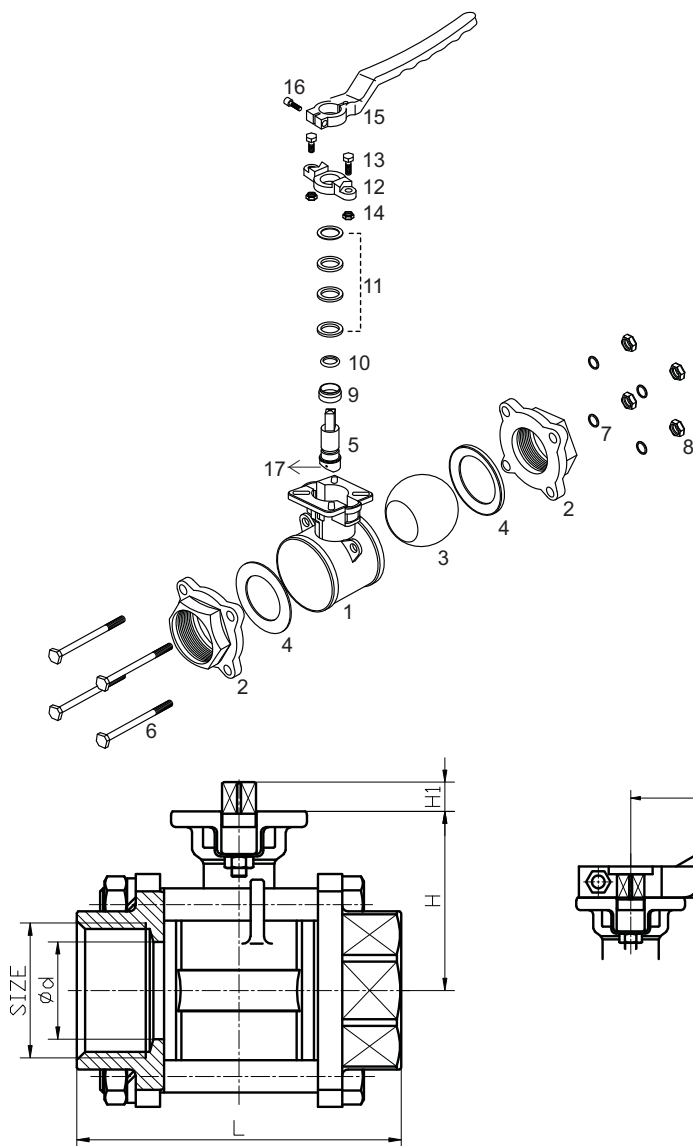
- **Pyramidal Body and Stem Seal (1st Stage):** Internal pressure of the valve pushes the pyramidal stem sealing upward. Because of its shape, the sealing expands to fill all the air pockets that might become a potential leakage path in the lower stem area.
- **Viton® O-Ring (2nd Stage):** The elastic 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

S088N-Three Pieces Ball Valve with ISO 5211 Pad



COMPONENTS AND MATERIALS		
Code	Name	Material
1	Body	ASTM A351 Gr CF8M
2	End Cap	ASTM A351 Gr CF8M
3	Ball	SS316
4	Seat	RPTFE
5	Stem	SS316
6	Bolt	SS304
7	Spring Washer	SS304
8	Nuts	SS304
9	Pyramidal stem seal	PTFE
10	O Ring	Viton
11	V-Ring Stem Packing	PTFE
12	Gland	SS304
13	Bolt	SS304
14	Nuts	SS304
15	*Handle	SS304
16	*Bolt	SS304
17	Anti-static device	Ss316

* Only available upon request

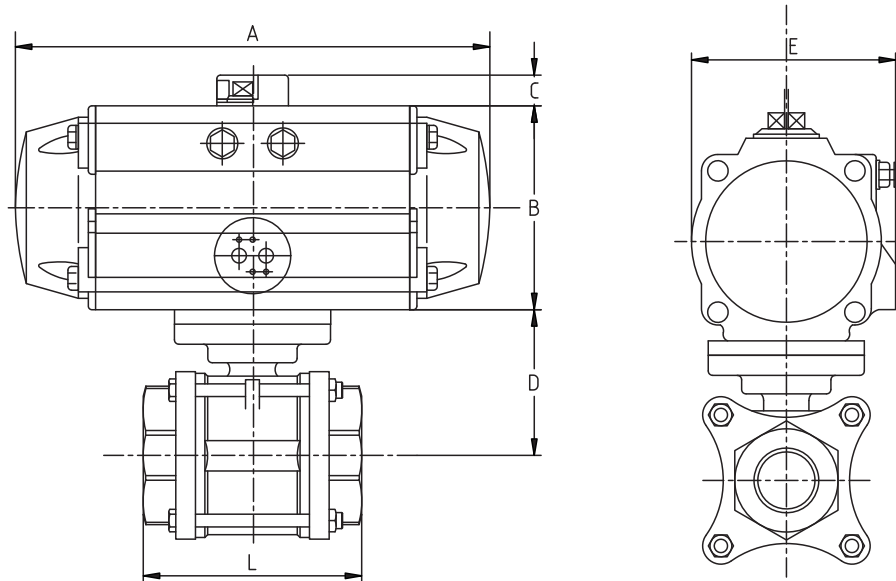
Main Dimension(mm)& WEIGHT(KGS)

*ITEM	Size	Ød	L	H	H1	E	F	P	Torque (N/m)	weight	#ITEM	C	A	weight
S088N-04	1/2"	15	70	41	9	42	F03/04	9x9	3	0.6	S088NL-04	32.5	176	0.74
S088N-05	3/4"	20	78	50	9	42	F03/04	9x9	4	0.8	S088NL-05	32.5	176	0.94
S088N-06	1"	25	87	55	11	42	F03/04	11x11	7	1.06	S088NL-06	36	203	1.25
S088N-07	1-1/4"	32	100	62	11	50	F04/05	11x11	14	1.65	S088NL-07	36	203	1.84
S088N-08	1-1/2"	38	112	70	14	68	F05/07	14x14	21	2.23	S088NL-08	40	256	2.56
S088N-09	2"	49	128	82	14	68	F05/07	14x14	29	2.95	S088NL-09	40	256	3.25
S088N-10	2-1/2"	65	165	97	17	95	F07/10	17x17	51	5.4	S088NL-10	40	256	5.71
S088N-11	3"	78	193	115	17	95	F07/10	17x17	85	8.62	S088NL-11	55	355	9.27
S088N-12	4"	100	249	125	17	95	F07/10	19x19	105	14.8	S088NL-12	55	355	15.45

* BARE STEM WITHOUT LEVER(STANDARD)

BARE STEM WITH LEVER

S088N Three Pieces Ball Valve with Pneumatic Actuator



With Double Acting Actuator

Main Dimension(mm)& WEIGHT(KGS)

ITEM	SIZE	ACT	A	B	C	E	L	D	weight
S088ND-04	1/2"	50	155	69	20	70	70	41	1.7
S088ND-05	3/4"	50	69	69	20	70	78	50	1.9
S088ND-06	1"	63	168	85	20	83	87	55	2.66
S088ND-07	1 1/4"	63	168	85	20	83	100	62	3.25
S088ND-08	1 1/2"	75	219	102.5	20	95.5	112	70	4.94
S088ND-09	2"	75	219	102.5	20	95.5	128	82	5.65
S088ND-10	2 1/2"	90	249	115	20	105.5	165	97	9.4
S088ND-11	3"	100	274	127.5	20	122	193	115	14.12
S088ND-12	4"	115	315	140	30	132.5	249	125	22.3

With Spring Return Actuator (10 springs)

Main Dimension(mm)& WEIGHT(KGS)

ITEM	SIZE	ACT	A	B	C	E	L	D	weight
S088NS-04	1/2"	50	155	69	20	70	70	41	1.9
S088NS-05	3/4"	50	69	69	20	70	78	50	2.1
S088NS-06	1"	63	168	85	20	83	87	55	2.86
S088NS-07	1 1/4"	75	219	102.5	20	95.5	100	62	4.65
S088NS-08	1 1/2"	90	249	115	20	105.5	112	70	6.74
S088NS-09	2"	100	274	127.5	20	122	128	82	9.25
S088NS-10	2 1/2"	115	315	140	30	132.5	165	97	13.9
S088NS-11	3"	145	417	176	30	169.5	193	115	26.12
S088NS-12	4"	145	417	176	30	169.5	249	125	32.3



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.
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