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**DIE ERSTE** INDUSTRY CO.,LTD

**MODEL NO: Safety Valve**

Full Bore Safety Valve

Materials: Forged Brass, Bronze & Stainless Ste

Type:

FGX: With Sealing Without Lever

FGXL: With Lever

Working Pressure: 0.3 ~ 25 Kg/Cm<sup>2</sup>

Working Temperature:

-196 ~ 225°C

Seat Face: Metal-to-Metal & Soft Seal (PTFE)

Size:

Bronze & Brass Body: 1/2"~2-1/2"

Stainless Body: 1/2" ~ 2"



**Dimensions List:**

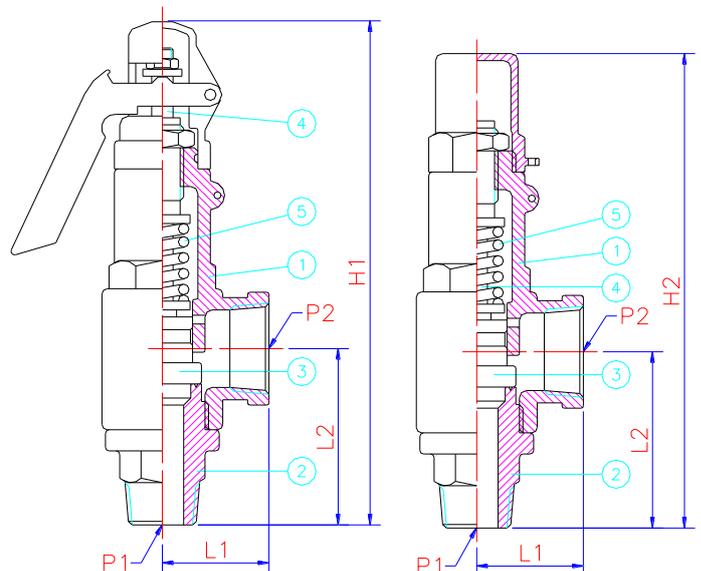
FGX/FGXL-SSS								
Size	P1	P2	Lift	L1	L2	H1	H2	Weight(Kg)
1/2	1/2"	1"	2.5	40	66	201	180	1.3
3/4	3/4"	1"	3.2	40	66	201	180	1.3
1	1"	1"	4.0	40	66	201	183	1.3
1-1/4	1-1/4"	2"	6.5	66	102	286	264	4.9
1-1/2	1-1/2"	2"	7.3	66	102	286	264	5.0
2	2"	2"	8.0	66	105	289	267	5.3

FGX/FGXL-BSS / BBB / BTB								
Size	P1	P2	Lift	L1	L2	H1	H2	Weight(Kg)
1/2	1/2"	3/4"	2.5	36	54	167	-	0.73
3/4	3/4"	1"	3.2	40	66	200	-	1.3
1	1"	1-1/4"	4.8	50	76	216	-	1.89
1-1/4	1-1/4"	1-1/2"	6.5	57	92	246	-	2.48
1-1/2	1-1/2"	2"	7.3	65	102	285	-	4.02
2	2"	2-1/2"	9.5	76	110	300	-	5.55
2-1/2	2-1/2"	3"	12.5					

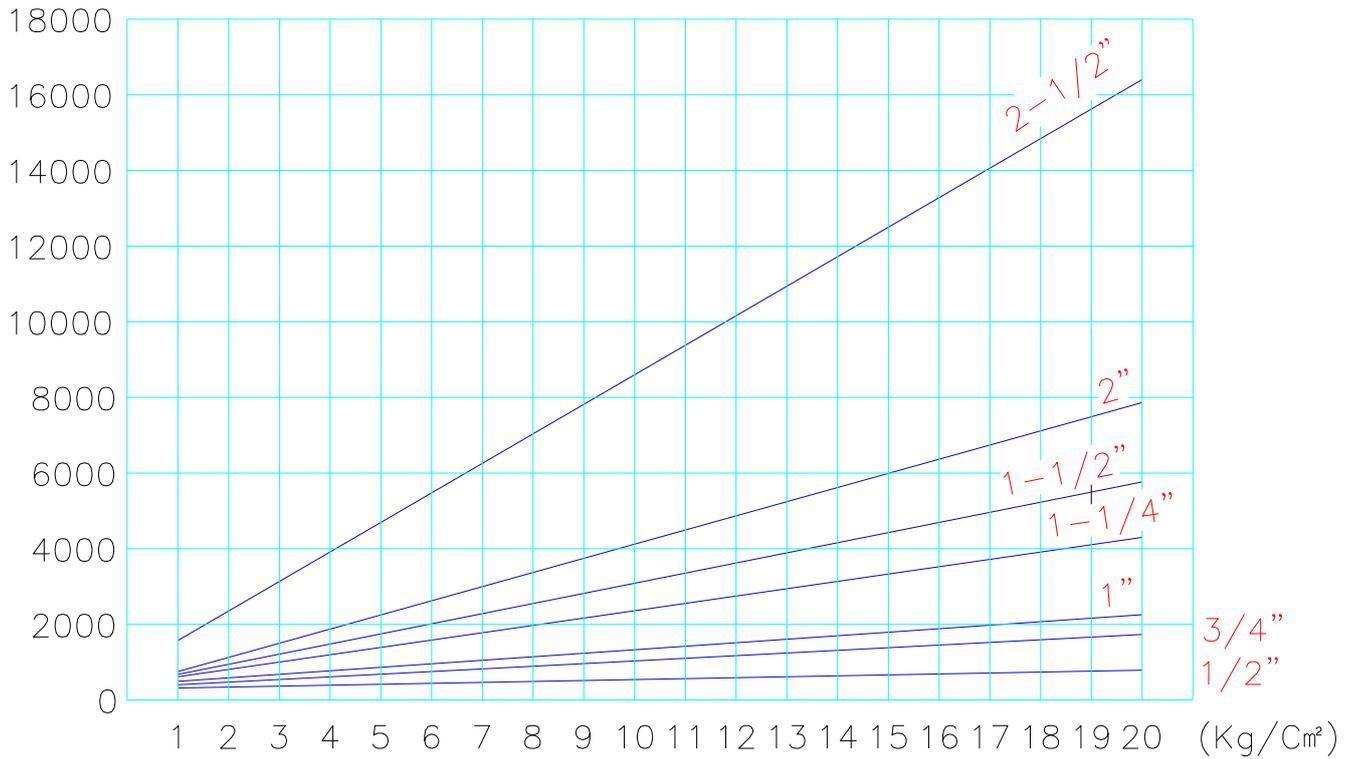
**Materials Specification:**

NO	NAME	FGX/FGXL-SSS	FGX/FGXL-BSS
01	BODY	CF8M	ASTM B584-C83600
02	SEAT	CF8M	CF8M
03	DISC	CF8M	CF8M
04	STEM	SUS-303	SUS-303
05	SPRING	SUS304	SUS304

NO	NAME	FGX/FGXL-BBB	FGX/FGXL-BTB
01	BODY	ASTM B584-C83600	ASTM B584-C83600
02	SEAT	ASTM B584-C83600	ASTM B584-C83600
03	DISC	ASTM B16-C3600	ASTM B16-C3600 + PTFE
04	STEM	ASTM B16-C3600	ASTM B16-C3600
05	SPRING	SPRING STEEL	SPRING STEEL



## Full Bore Safety Valve Blowout Capacity (Kg/H)



### Blowout Capacity:

Kg/Cm <sup>2</sup>	Steam Kg / Hr							Water Liter / Min						
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
1	76	143	268	435	664	920	1530	21	33	60	97	141	234	316
2	116	216	346	600	807	1387	2306	29	46	85	138	199	331	447
3	156	288	463	802	1079	1854	3083	36	57	104	169	244	405	547
4	195	361	580	1004	1351	2321	3859	42	66	120	195	282	468	632
5	235	434	696	1206	1623	2778	4636	47	74	134	218	315	523	706
6	275	507	813	1409	1895	3255	5412	51	81	147	239	345	573	774
7	315	579	930	1611	2167	3722	6189	55	87	159	258	373	619	836
8	354	652	1047	1813	2439	4189	6965	59	93	170	276	398	662	894
9	394	725	1163	2015	2711	5656	7742	63	99	180	293	423	702	948
10	434	798	1280	2217	2983	6523	8518	66	105	190	308	445	740	999
11	475	870	1397	2419	3255	7590	9295	70	111	200	323	463	778	1050
12	525	943	1513	2621	3527	8657	10018	76	120	215	340	485	815	1105
13	546	1016	1631	2825	4025	9958	11085	82	129	230	360	512	835	1198
14	586	1090	1749	3028	4074	10995	11624							
15	625	1163	1866	3230	4346	12462	12401							
16	664	1236	1983	3432	4681	14129	13117							
17	704	1309	2100	3634	4890	15996	13954							
18	743	1382	2216	3836	5162	18064	14730							
19	782	1454	2333	4039	5434	20331	15507							
20	821	1527	2500	4241	5706	22798	16283							

We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency

