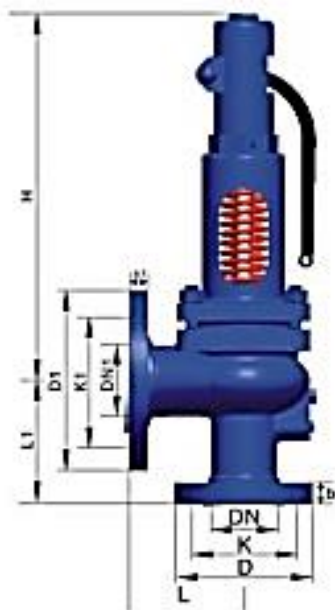




SAFETY VALVE

Model: S01.0701



SPECIFICATION & MATERIAL

Model	S010701/2	S010701/2
Nominal Pressure	PN40/16	PN40/16
Body Material	Carbon Steel 1.0619+N	Stainless Steel 1.4301/1.4401
Nominal Diameter	DN20/32-DN150/20	DN20/32-DN100/150
Working Temperature	-10°C~450°C	-60°C~400°C

DN	Do(mm) Through flow aperture	Ao(mm ²) Through flow area	Weight(kg)
20*32	18	254	8.5
25*40	22	398	10
32*50	29	661	14
40*65	36	1018	20
50*80	45	1590	28
65*100	58	2688	40
80*100	72	4072	53
100*150	80	6362	80
125*200	100	8825	125
150*250	125	12266	165

DIMENSION

DNxDN1		20x32	25x40	32x50	40x65	50x80	65x100	80x125	100x150	125x200	150x250
D	PN16	105	115	140	150	165	185	200	220	250	285
	PN40								235	220	300
K	PN16	75	85	100	110	15	145	160	180	210	240
	PN40								190	220	250
b		20	20	20	21	22	24	26	28	31	34
D1	PN16	140	150	165	1885	200	220	250	285	340	405
K1		100	110	125	145	160	180	210	240	195	355
B1		19	19	20	20	20	20	22	22	27	29
L		85	100	110	115	120	140	160	180	200	220
L1		95	105	115	140	150	170	195	220	150	285
=H		298	311	315	355	405	555	580	690	845	890

DISCHARGE CAPACITY

- I. Saturated steam in Kg/h.
- II. Air at 0°C and 1,013 bar in [Nm³/h].
- III. Water at 20°C in l/h.

DN ₁ x DN ₂	20 x 32			25 x 40			32 x 50			40 x 65			50 x 80			65 x 100		
do	16			20			25			32			40			50		
Weight(kg)	8.5			10			14			20			28			40		
P (Bar)	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
0,5	101	121	4310	157	200	6734	246	294	10530	402	482	17243	629	738	26958	982	1168	42120
1,0	151	182	6096	236	285	9523	369	435	14892	604	724	24385	945	1134	38125	1476	1771	59568
1,5	200	244	7466	312	380	11664	488	590	18239	799	960	29866	1249	1498	46693	1952	2342	72955
2,0	246	300	8621	385	469	13468	602	728	21060	986	1191	34486	1541	1863	53916	2408	2913	84241
2,5	290	356	9639	453	569	15058	708	857	23546	1160	1415	38556	1813	2194	60280	2833	3429	94185
3,0	334	414	10559	522	648	16495	817	1017	25793	1337	1664	42236	2090	2605	66034	3266	4070	103174
3,5	375	466	11405	585	730	17817	916	1145	27860	1499	1872	45620	2343	2931	71325	3661	4579	111441
4,0	415	518	12192	648	811	19047	1014	1272	29784	1660	2080	48770	2596	3256	76249	4056	5088	119136
4,5	455	570	12932	711	892	20202	1112	1399	31590	1821	2288	51729	2847	3582	80874	4449	5596	126362
5,0	496	622	13632	774	973	21295	1210	1526	33299	1982	2496	54527	3099	3908	85249	4842	6105	133198
6,0	576	725	14933	899	1135	23328	1406	1780	36477	2303	2913	59731	3600	4559	93386	5625	7123	145911
7,0	656	829	16129	1024	1298	25197	1602	2035	39400	2623	3329	64517	4100	5210	100868	6406	8140	157602
8,0	736	933	17243	1149	1460	26936	1797	2289	42121	2942	3745	68972	4600	5862	107833	7187	9158	168483
9,0	815	1036	18288	1273	1622	28570	1991	2544	44676	3261	4161	73156	5098	6513	114374	7965	10176	178704
10,0	894	1140	19278	1397	1784	30116	2185	2798	47092	3578	4577	77113	5594	7164	120561	8740	11193	188370
12,0	1053	1347	21118	1645	2109	32990	2572	3307	51587	4212	5410	84473	6585	8467	132068	10289	13228	206349
14,0	1211	1555	22810	1891	2433	35634	2958	3816	55720	4843	6242	91241	7572	9770	142650	11830	15264	222883
16,0	1369	1762	24385	2139	2758	38094	3344	4324	59568	5476	7074	97541	8561	11073	152490	13376	17299	238272
18,0	1526	1969	25864	2384	3082	40405	3727	4833	63181	6103	7907	103458	9542	12375	161750	14909	19334	252725
20,0	1684	2177	27263	2631	3407	42590	4113	5342	66599	6736	8739	109054	10531	13678	170499	16454	21369	266396
22,0	1841	2384	28594	2876	3731	44669	4497	5851	69850	7364	9571	114377	11514	14981	178821	17989	23404	279398
24,0	2000	2592	29865	3124	4056	46656	4884	6360	72956	7998	10400	119463		16284	186772	19537	25440	291822
26,0	2157	2799	31085	3370	4380	48561	5269	6868	75934		11236	124341		17586	194399		27475	303738
28,0	2316	3006	32258	3618	4705	50394	5657	7377	78801		12068	129035		18889	201737		29510	315204
30,0	2472	3214	33390	3861	5029	52163	6038	7886	81567		1290	133563		20192	208818		31545	326267
32,0	2630	3421	34486	4109	5353	53873		8395	84242		13733	137944		21494	215665		33580	336967
34,0		3628	35547		5678	55531		8904	86834									
36,0		3836	36578		6002	57141		9412	89352									
38,0		4043	37580		6327	58707		9667	91800									
40,0		4250	38556		6651	60232		10430	94185									

[illegible]