

M

Muk Valve

PRESSURE EQUIPMENT
MANUFACTURING INDUSTRY

NE

Nes Valve



Made in

Turkey

CE
EN ISO 4126-1



PRESSURE EQUIPMENT MANUFACTURING INDUSTRY

Operate and Maintance

At least two safety valves have to be used for steam boilers. The valves have to be fixed to the steam heaters in the direction where steam comes out or, fixed to the front heaters. The water which used for boiler has to be free from lime and free from any substance causes of corrosion. The rise of the valve is too sensitive that any calcification or accumulation of dirt can cause of working of the valve not effectively. If any damage happens on the surface of the leakproof, please directly keep in touch with our company. The safety valve is last item that works in the boiler which is under pressure. In case of breakdown of the control panels, the safety valves have to be working conditions. The maintenance has to be done of ten and certain periods by authorized people to provide safe working in the unclear places. To be able to get to condense liquid continuously the relevant escaping way should be provided. The diameter of out going flange of the valve not to be considered as a scale for the line of exhaust pipe. The exhaust pipe line diameters has to be chosen big enough according to length of the line exhaust pressure.

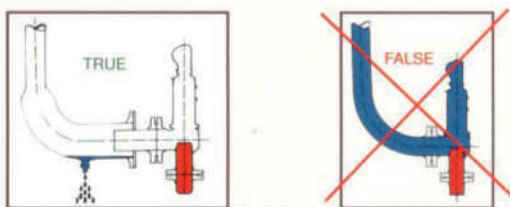


FIGURE A

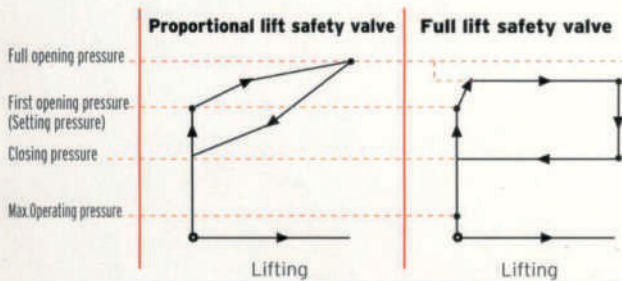


FIGURE B

Working system

In The valves with proportional lift, right after the high pressure the vent starts to work. Full opening pressure keeps going with pressure proportionally. The full opening pressure is %10 higher than first opening pressure. On the full lift valves following the first opening with the %5 more pressure the valve fully opens and discharge begins.

Technical features

Design pressure	: Pn16 GG 25 Cast iron - PN 25 GGG 40 Ductile iron
Working pressure	: Max. 10 Bars - max. 17 Bars
Connection shape	: Din 2533 ts 494
Heat	: 20 °C + 280 °C
Used fluid	: Water, hot water, steam, air
warning	: Never use flammable, explosive, acid with fluid together.

Material used

• Body	: GG 25 cast iron - GGG 40 Ductile iron	• Valve adjustment screw	: Brass
• Valve clip	: Steel chrome	• Valve balance nut	: Brass
• Valve shaft	: Steel chrome	• Connection fittings	: Steel made
• Valve spring	: Special spring steel		

General Features

Each steam boiler, pressure tank etc is generally advised to have 2 safety valves in appropriate size. A safety valve should be closed again with minimum pressure transformation and maintenance should not be required for a long time. Safety valves reach their full capacity evacuation with maximum 10 percent pressure increase. With compressible materials the closing pressure is max. Below 10% of the first opening pressure where as it is max. Below 20% with incompressible ones.

Proportional Relief Safety Valves

The valve starts to open itself after pressure increase, and full-open pressure continues proportional to pressure. Full-open pressure is 10% higher than first opening pressure.

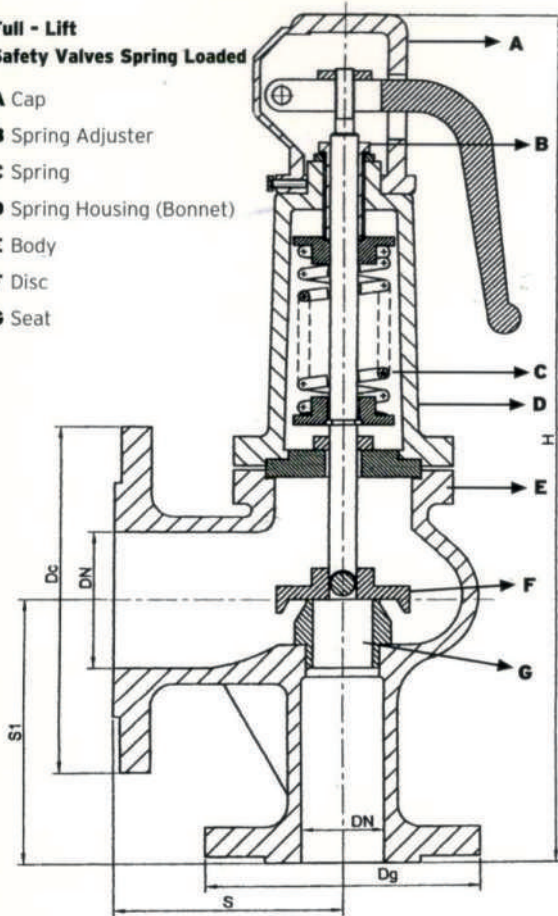
Full-Lift Safety Valves

Following the first opening in the case of 5% increase in pressure valve fully opens and switches to full evacuation.



Full - Lift Safety Valves Spring Loaded

- A Cap
- B Spring Adjuster
- C Spring
- D Spring Housing (Bonnet)
- E Body
- F Disc
- G Seat



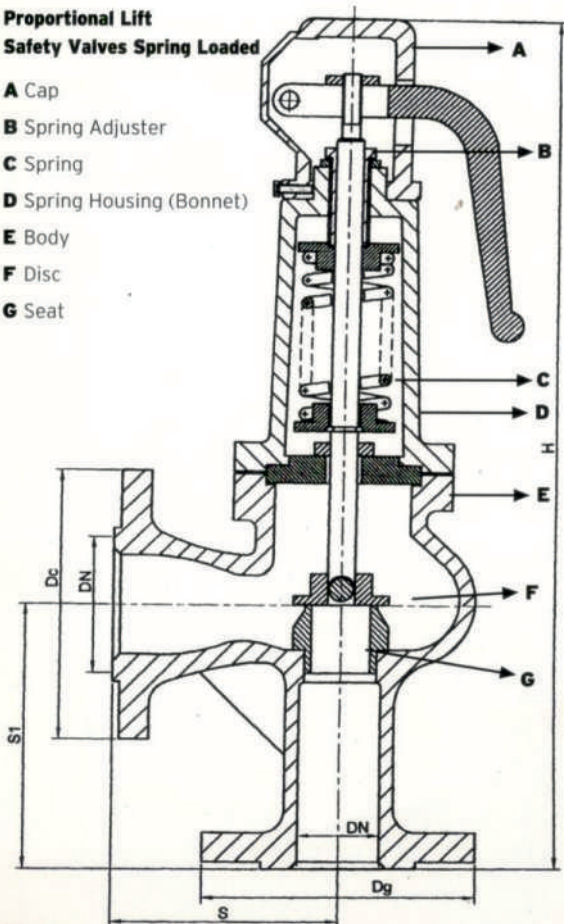
FULL LIFT DIMENSIONS

DN	25	32	40	50	65	80	100
DN mm	25	32	40	50	65	80	100
Dg mm	115	140	150	165	185	200	220
DNc mm	40	50	65	80	100	125	150
Dc mm	150	165	185	200	220	250	285
S1 mm	115	125	135	150	155	175	190
S mm	100	110	125	135	140	150	170
H mm	430	440	467	500	550	590	640

PROPORTIONAL LIFT DIMENSIONS

Proportional Lift Safety Valves Spring Loaded

- A Cap
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DN	25	32	40	50	65	80	100
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Dg mm	115	140	150	165	185	200	220
DNc mm	25	32	40	50	65	80	100
Dc mm	115	140	150	165	185	200	220
S1 mm	100	105	115	125	145	155	190
S mm	100	105	115	125	145	155	170
H mm	405	410	430	480	512	555	560

PRESSURE EQUIPMENT MANUFACTURING INDUSTRY

B Saturated steam (kg/h) H Air, at 0° C and 1 bar (Nm³/h)
Full Lift, Spring - Loaded Safety Valves

DN-NW	25/40		32/50		40/65		50/80		65/100		80/125		100/150	
P bar	B	H	B	H	B	H	B	H	B	H	B	H	B	H
0.5	136	172	230	282	352	440	561	583	866	1063	1413	1737	2097	2577
1	227	288	373	473	583	726	891	1122	1400	1779	2288	2905	3396	4311
1.5	297	380	487	622	737	946	1144	1463	1832	2340	2992	3824	4440	5675
2	366	470	600	771	913	1155	1408	1804	2254	2897	3683	4733	5465	7024
2.5	424	549	696	900	1045	1353	1628	2090	2617	3380	4276	5522	6345	8194
3	484	628	793	1028	1188	1540	1837	2376	2780	3863	4891	6311	7226	9365
4	601	784	984	1286	1485	1925	2310	3025	3702	4829	6045	7889	8970	11707
5	718	941	1176	1542	1782	2310	2750	3575	4419	5788	7217	9466	10709	14047
6	833	1099	1366	1800	2090	2728	3190	4180	5130	6762	8181	11044	12436	16390
7	949	1256	1554	2057	2365	3080	3652	4840	5841	7728	9541	12622	14158	18730
8	1064	1412	1745	2314	2640	3520	4125	5390	6552	8692	10702	14201	15881	21073
9	1179	1570	1933	2572	2970	3960	4565	6160	7259	9658	11858	15778	17595	23414
10	1295	1727	2121	2830	3245	4345	5005	6655	7965	10625	13010	17355	19306	25756
12	1523	2041	2496	3343	3850	5060	5940	7920	9375	12556	15315	20511	22727	30430
14	1751	2355	2869	3858	4345	5830	6710	9020	10774	14488	17600	23668	36900	44200
16	1979	2670	3240	4373	4840	6490	7590	10230	12173	16420	19886	26823	39440	50125
18	2207	2983	3614	4886	5344	7224	8359	11300	13575	18352	22177	29970	41315	62640
20	2433	3297	3986	5400	5893	7985	9218	12490	14970	20284				
22	2658	3611	4354	5916	6436	8745	10068	13709	16351	22216				
24	2887	3926	4730	6430	6993	9506	10938	14870	17764	24148				
26	3118	4239	5107	6944	7550	10266	11810	16059	19180	26081				
28	3343	4554	5476	7459	8096	11026	12664	17249	20560	28010				
30	3570	4867	5846	7973	8644	11787	13522	18438						
32	3790	5182	6212	8488	9185	12548	14367	19628						
34		5495		9001		13308		20817						
36		5810		9516		14069		22006						
38		6125		10030		14829		23196						
40		6435		10540		15590		24385						



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