



figure

782

ends
formthreaded
straight

FULL LIFT SAFETY VALVE zARMAK



body material	nominal pressure	nominal diameter	max. temperature	ex.index
V brass	D 25 bar	DN 10-25	120°C	782

CE 1433

FEATURES

- valves made according to PN EN ISO 4126-1
- high tightness

APPLICATION

- industry
- heating
- power engineering

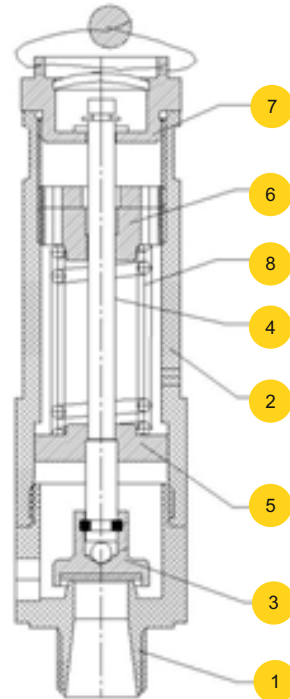
MEDIA

- air
- other gases and vapours, which outflow can go directly into the environment



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MATERIALS

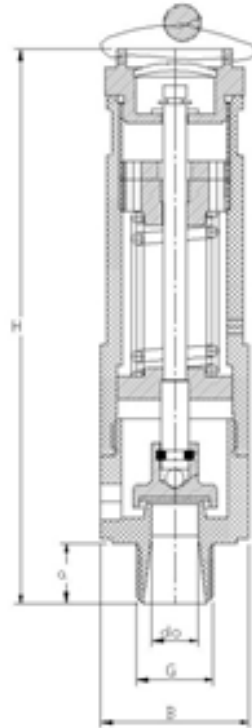


	body material	V
	type	01-3
1	nozzle	CuZn40Pb2 2.0402
2	cap	CuZn40Pb2 2.0402
3	disc	CuZn40Pb2 / EPDM 2.0402
4	spindle	CuZn40Pb2 2.0402
5	spring plate	CuZn40Pb2 2.0402
6	adjusting screw plug	CuZn40Pb2 2.0402
7	upper screw plug	CuZn40Pb2 2.0402
8	spring	51CrV4 1.8159
	temperature range	-10...+120°C



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DIMENSIONS



DN	d _o	A	G	a	H	B	Set pressure min max		
mm	mm	mm ²	cal	mm			bar		kg
10	10	78,5	3/8	13	120	32	1,1	25	0,415
15	12	113	1/2	13	120	32	1,1	22	0,415
20	16	201	3/4	15	122	34	0,7	20	0,435
25	20	314	1	17	128	42	0,7	16	0,460

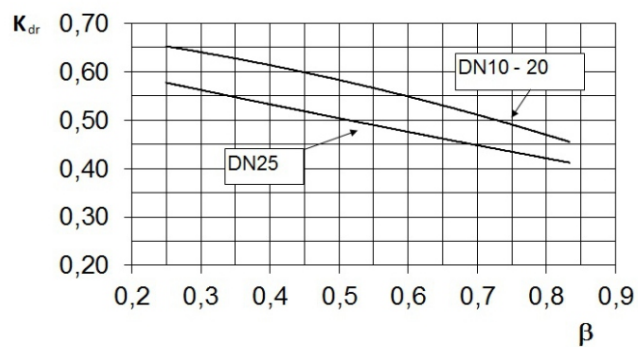


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DISCHARGE COEFFICIENTS

Type of valve	DN	for vapours and gases K _{dr}
		overpressure- 10%
782	10	0,65
	15	0,65
	20	0,65
	25	0,57

The given values concern $\beta < 0,25$. For the values $\beta \geq 0,25$ the discharge coefficient should be read from the following graph.



NOTES

- The valve should be mounted in vertical position.



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DN (inlet)	10	15	20	25
A- bore area [mm ²]	78,5	113	201	314
Set pressure [bar(g)]	Air 20°C (kg/h)			
0,70			169	230
0,75			177	237
0,80			185	248
0,90			198	267
1,00			212	286
1,10	88,5	127	227	307
1,20	92,9	134	238	322
1,30	98,9	142	253	344
1,40	105	151	269	366
1,50	110	158	281	382
1,60	116	167	297	405
1,70	121	174	309	421
1,80	125	180	321	437
1,90	130	187	333	462
2,00	135	194	344	478
2,20	146	210	374	520
2,40	155	224	398	554
2,60	165	237	422	587
2,80	174	251	446	621
3,00	186	268	477	564
3,50	210	303	539	738

Capacity calculated at overpressure 0,1 bar or 10%



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CAPACITY TABLE FOR AIR

DN (inlet)	10	15	20	25
A- bore area [mm ²]	78,5	113	201	314
Set pressure [bar(g)]	Air 20°C (kg/h)			
4,00	234	337	600	821
4,50	258	371	661	905
5,00	282	406	722	989
5,50	306	440	783	1072
6,00	330	474	844	1156
6,50	353	509	905	1240
7,00	377	543	966	1323
7,50	401	577	1027	1407
8,00	425	612	1088	1491
9,00	473	680	1210	1658
10,00	520	749	1332	1825
11,00	568	818	1455	1993
12,00	616	886	1577	2160
13,00	663	955	1699	2327
14,00	711	1024	1821	2495
15,00	759	1092	1943	2662
16,00	807	1161	2065	2829
18,00	902	1298	2310	
19,00	950	1367	2432	
20,00	997	1436	2554	
22,00	1093	1573		
25,00	1236			

Capacity calculated at overpressure 0,1 bar or 10%

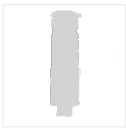
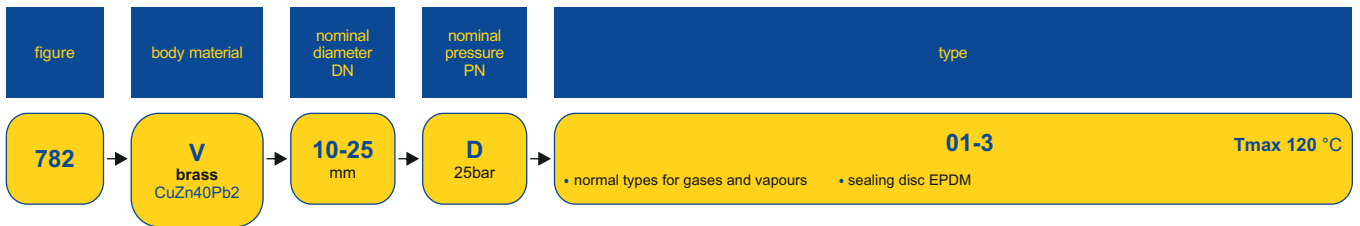


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TYPES



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