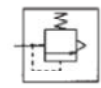




Component-Tested High-Performance Safety Valve

Safety Valves G1– G2



This spring-loaded safety valve with a very high blow-off capacity, labeled as **D/G** (models 352.00 to 352.30), will be used for protection of pressure vessels and pressure systems for air and other neutral, non-toxic and non-combustible gases.

The valves with letters **F/K/S** (models 352.40 to 352.70) have a protective cover (stainless steel) and the spring area of the medium is separately. This design allows a usage to secure fixed pressure and vehicle tanks from dust and granular goods.

The valves only can be supplied with a preset pressure, the desired set pressure must be specified with the order. After setting, the valves are labeled and sealed.

For functional testing, the safety valve can be opened by turning the knurled screw.

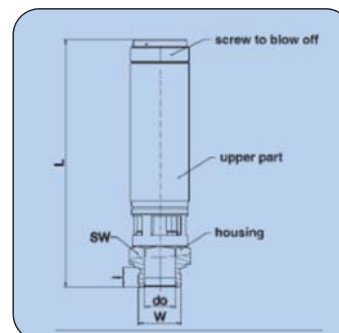
The bearing surfaces and seals can be cleaned from impurities by unscrewing the upper part **without** changing the pressure setting.

Repairs may only be executed by the manufacturer.



Safety Valve D/G

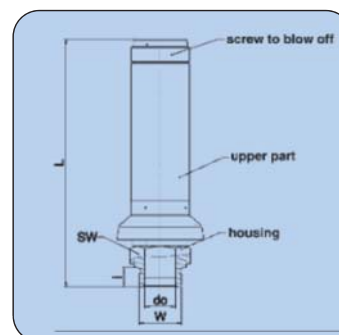
Thread	Dimensions [mm]			DN [mm]	Set pressure [bar]	Order No.
W	L	i	SW*	do	p	
G1	177	15	41	24	0,2-35	352.00
G1 1/4	215	22,5	60	32	0,2-30	352.10
G1 1/2	215	22,5	60	32	0,2-30	352.20
G2	282	26	80	48	0,2-30	352.30



Safety Valve F/K/S

Thread	Dimensions [mm]			DN [mm]	Set pressure [bar]	Order No.
W	L	i	SW*	do	p	
G1	177	15	41	24	0,2-6	352.40
G1 1/4	215	22,5	60	32	0,2-6	352.50
G1 1/2	215	22,5	60	32	0,2-6	352.60
G2	282	26	80	48	0,2-6	352.70

* SW=wrench size



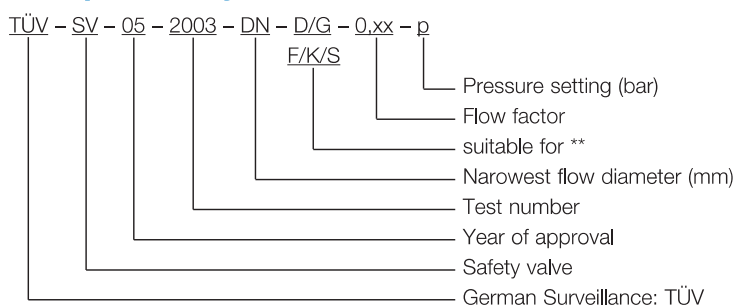
Technical Data

Connection thread	G1, G1 1/4, G1 1/2, G2
Opening pressure difference	< 10%
Closing pressure difference	< 10%
Max. operating temperature	+200°C
Setting range D/G	0,2 up to 30(35) bar
Setting range F/K/S	0,2 up to 6 bar
Built-in position	vertical
Material	
housing, upper part, interior parts	brass
seals	FKM (Viton)
pressure spring, protective cover	stainless steel

Options

Stainless steel
NBR or PTFE seals on request!

Component symbols



**D/G - for gases and vapors

F/K/S - for blowing air from tanks for liquid, granular or dust media

TÜV – Component Certification: 2003



Component-Tested High-Performance Safety Valve

Safety Valves G1 – G2



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Compressed Air Accessories

Exhaust Capacity Air [Nm³/h]

At max. Pressure exceeding 10% these values are achieved.

Model 352.00 to 352.30 (D/G)

Set pressure [bar]	Connecting thread			
	G1	G1 1/4	G1 1/2	G2
0,2	225	376	376	721
0,3	258	430	430	786
0,4	284	473	473	851
0,5	310	517	517	916
0,6	337	563	563	981
0,7	371	618	618	1046
0,8	399	666	666	1111
0,9	429	715	715	1175
1,0	459	766	766	1370
1,5	604	1007	1007	1827
2,0	749	1249	1249	2325
3,0	1032	1723	1723	3177
4,0	1330	2219	2219	4056
5,0	1601	2671	2671	4962
6,0	1872	3123	3123	5802
7,0	2143	3575	3575	6642
8,0	2413	4027	4027	6034
9,0	2684	4478	4478	6711
10,0	2955	4930	4930	7388
11,0	3226	5382	5382	8066
12,0	3497	5834	5834	8742
13,0	3768	6286	6286	9420
14,0	4039	6738	6738	10097
15,0	4310	7190	7190	10774
16,0	4581	7642	7642	11451
17,0	4851	8094	8094	12128
18,0	5122	8546	8546	12806
19,0	5393	8998	8998	13483
20,0	5664	9450	9450	14160
21,0	5935	9902	9902	14838
22,0	6206	10354	10354	15515
23,0	6477	10806	10806	16192
24,0	6748	11258	11258	16869
25,0	7019	11710	11710	17546
26,0	7289	12162	12162	18224
27,0	7560	12614	12614	18901
28,0	7831	13066	13066	19578
29,0	8102	13518	13518	20255
30,0	8373	13970	13970	20933
31,0	8644	–	–	–
32,0	8915	–	–	–
33,0	9186	–	–	–
34,0	9457	–	–	–
35,0	9727	–	–	–

Applied standards and regulations:

DIN EN ISO 4126-1
AD 2000 data sheets A2
DGR 97/23 EG

Model 352.40 to 352.70 (F/K/S)

Set pressure [bar]	Connecting thread			
	G1	G1 1/4	G1 1/2	G2
0,2	225	376	376	721
0,3	258	430	430	786
0,4	284	473	473	851
0,5	310	517	517	916
0,6	342	571	571	981
0,7	371	618	618	1046
0,8	399	666	666	1111
0,9	429	715	715	1176
1,0	459	766	766	1370
1,2	514	858	858	1514
1,4	571	952	952	1658
1,6	629	1049	1049	1903
1,8	688	1148	1148	2055
2,0	749	1249	1249	2325
2,5	889	1483	1483	2724
3,0	1032	1723	1723	3177
3,5	1165	1943	1943	3583
4,0	1330	2219	2219	4056
4,5	1465	2445	2445	4469
5,0	1601	2671	2671	4962
5,5	1736	2897	2897	5382
6,0	1872	3123	3123	5802

Applied standards and regulations:

DIN EN ISO 4126-1
AD 2000 data sheets A2
TRB 801 Nr. 22 and Nr. 23
DGR 97/23 EG