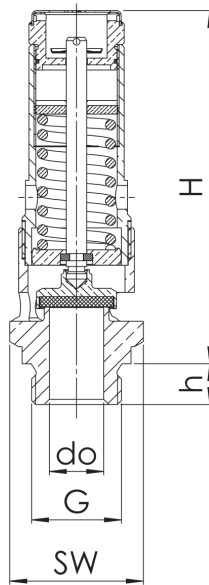


**safety valve made of brass
with TÜV inspection number series SV01**



| | |
|---------------------|--|
| design | spring-loaded safety valve open type of construction, discharge to atmosphere. by turning the knurled nut the valve can be exhausted. the set pressure is protected against adjustments through a seal cap. |
| connection | G1/4"...G1" |
| materials | valve body and inner parts brass CW614N, spring stainless steel AISI 301, seal 0,2...25bar FKM, 25,1...50bar PTFE |
| application | compressed air, neutral gases and steam, which may leave free out |
| medium temperature | -20...+ 200°C |
| range of adjustment | see table |
| type of fixing | installed into rigid pipework |
| mounting position | vertical only |
| special versions | ASME, ATEX, free of oil and grease on request |
| order information | in case of order indicate the set pressure |



| G | set pressure [bar] | d ₀ | H | h | SW | weight [app. kg] | type |
|-------|--------------------|----------------|-----|----|----|------------------|-------------|
| G1/4" | 0,2...50 | 7,5 | 60 | 10 | 19 | 0,10 | SV01-14-7.5 |
| G3/8" | 0,2...9 | 10 | 65 | 10 | 24 | 0,14 | SV01-38-10 |
| G3/8" | 9,1...50 | 10 | 78 | 10 | 24 | 0,16 | SV01-38-10 |
| G1/2" | 0,2...7 | 11 | 66 | 12 | 27 | 0,17 | SV01-12-11 |
| G1/2" | 7,1...50 | 11 | 79 | 12 | 27 | 0,19 | SV01-12-11 |
| G3/4" | 0,2...9 | 16 | 94 | 12 | 34 | 0,35 | SV01-34-16 |
| G3/4" | 9,1...50 | 16 | 104 | 12 | 34 | 0,40 | SV01-34-16 |
| G1" | 0,2...50 | 20 | 111 | 14 | 41 | 0,60 | SV01-10-20 |

discharge capacity at 10% overpressure for air [Nm³/h]

| size | set pressure [bar] | | | | | | | | | | | | | | |
|-------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| | 0,2 | 0,3 | 0,4 | 0,5 | 0,6 | 0,7 | 0,8 | 0,9 | 1 | 1,5 | 2 | 3 | 4 | 5 | |
| G1/4" | 19 | 25 | 29 | 32 | 35 | 37 | 41 | 43 | 46 | 60 | 73 | 100 | 125 | 151 | |
| G3/8" | 34 | 45 | 52 | 59 | 64 | 70 | 74 | 80 | 86 | 109 | 133 | 182 | 228 | 275 | |
| G1/2" | 42 | 54 | 67 | 75 | 82 | 87 | 95 | 101 | 108 | 137 | 166 | 223 | 280 | 337 | |
| G3/4" | 92 | 119 | 137 | 157 | 172 | 187 | 200 | 213 | 227 | 287 | 346 | 465 | 584 | 703 | |
| G1" | 115 | 144 | 167 | 190 | 211 | 235 | 360 | 382 | 308 | 410 | 506 | 702 | 890 | 1071 | |

discharge capacity at 10% overpressure for air [Nm³/h]

| size | set pressure [bar] | | | | | | | | | | | | | | | |
|-------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| G1/4" | 176 | 202 | 227 | 253 | 278 | 304 | 329 | 355 | 380 | 406 | 431 | 457 | 482 | 507 | 533 | |
| G3/8" | 321 | 368 | 414 | 461 | 507 | 554 | 600 | 647 | 693 | 740 | 786 | 833 | 879 | 926 | 972 | |
| G1/2" | 394 | 451 | 508 | 565 | 621 | 678 | 735 | 792 | 849 | 906 | 963 | 1020 | 1077 | 1134 | 1191 | |
| G3/4" | 822 | 941 | 1060 | 1179 | 1298 | 1417 | 1537 | 1656 | 1775 | 1894 | 2013 | 2132 | 2251 | 2370 | 249 | |
| G1" | 1252 | 1434 | 1615 | 1796 | 1974 | 2159 | 2340 | 2521 | 2703 | 2884 | 3065 | 3246 | 3428 | 3609 | 3790 | |

discharge capacity at 10% overpressure for air [Nm³/h]

| size | set pressure [bar] | | | | | | | | | | | | | |
|-------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| G1/4" | 558 | 584 | 609 | 635 | 660 | 685 | 711 | 736 | 762 | 787 | 813 | 838 | 864 | 889 |
| G3/8" | 1019 | 1065 | 1112 | 1158 | 1205 | 1251 | 1298 | 1344 | 1391 | 1437 | 1482 | 1530 | 1575 | 1623 |
| G1/2" | 1248 | 1305 | 1362 | 1419 | 1476 | 1533 | 1590 | 1647 | 1704 | 1761 | 1816 | 1875 | 1930 | 1989 |
| G3/4" | 2608 | 2727 | 2846 | 2965 | 3084 | 3203 | 3322 | 3441 | 3560 | 3679 | 3794 | 3917 | 4031 | 4155 |
| G1" | 3971 | 4153 | 4334 | 4515 | 4696 | 4878 | 5059 | 5240 | 5422 | 5603 | 5778 | 5965 | 6140 | 6328 |

discharge capacity at 10% overpressure for air [Nm³/h]

| size | set pressure [bar] | | | | | | | | | | | | | | | |
|-------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| G1/4" | 915 | 941 | 966 | 992 | 1017 | 1043 | 1068 | 1094 | 1119 | 1145 | 1170 | 1196 | 1220 | 1247 | 1271 | 1298 |
| G3/8" | 1667 | 1716 | 1760 | 1809 | 1853 | 1902 | 1946 | 1995 | 2039 | 2088 | 2132 | 2181 | 2225 | 2274 | 2318 | 236 |
| G1/2" | 2043 | 2103 | 2157 | 2217 | 2271 | 2331 | 2385 | 2445 | 2499 | 2558 | 2612 | 2672 | 2726 | 2786 | 2840 | 2900 |
| G3/4" | 4269 | 4393 | 4507 | 4631 | 4745 | 4869 | 4983 | 5107 | 5220 | 5345 | 5458 | 5583 | 5696 | 5821 | 5934 | 6059 |
| G1" | 6502 | 6690 | 6864 | 7053 | 7226 | 7416 | 7588 | 7778 | 7950 | 8141 | 8313 | 8503 | 8675 | 8866 | 9037 | 9228 |

illustrations are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice