

Cv-Values for GS-Valves



1/2" - 10"

Cv - Values

| Ordering code | - | A | 1 | B | 6 | 2 | 7 | C | 3 | 4 | 8 | 5 | 9 | |
|---------------|---------------|-------|------|------|------|-----|------|------|------|-------|-------|------|------|-------|
| Size | Charact. | 100 % | 63 % | 40 % | 25 % | 20% | 16 % | 12 % | 10 % | 6,3 % | 2,5 % | 2 % | 1 % | 0,4% |
| 1/2" | (mod.) linear | 4.6 | 3 | 2 | 1.6 | - | 0.82 | 0.57 | 0.51 | 0.3 | 0.16 | 0.09 | 0.05 | 0.021 |
| | eq. perc. | 2 | - | 1.3 | - | 0.4 | - | - | - | 0.12 | - | - | - | - |
| 3/4" | (mod.) lin. | 7.4 | - | - | - | - | 1.16 | - | - | - | - | 0.15 | - | - |
| | eq. perc. | 3.5 | - | 1.7 | - | - | - | - | - | - | - | - | - | - |
| 1" | (mod.) linear | 13 | 7.4 | 4.6 | - | - | 1.9 | - | 1.08 | 0.72 | 0.3 | - | 0.16 | 0.05 |
| | eq. perc. | 5.8 | - | 2.8 | - | 1.3 | - | - | - | 0.41 | - | - | - | - |
| 1 1/4" | (mod.) linear | 19 | 12 | - | - | - | - | - | - | - | - | - | - | - |
| | eq. perc. | 9.3 | 5.45 | - | - | - | - | - | - | - | - | - | - | - |
| 1 1/2" | (mod.) lin. | 30 | 19 | 13 | 8.1 | - | - | - | - | - | - | - | - | - |
| | eq. perc. | 13 | 9.9 | - | 3.2 | - | - | - | - | - | - | - | - | - |
| 2" | (mod.) linear | 52 | 32 | 23 | 14 | 12 | - | - | - | - | - | - | - | - |
| | eq. perc. | 22 | 14 | - | - | - | 3.5 | - | - | - | - | - | - | - |
| 2 1/2" | (mod.) linear | 60 | 41 | - | 17 | - | - | - | - | - | - | - | - | - |
| | eq. perc. | 35 | 22 | - | 9.3 | - | - | - | - | - | - | - | - | - |
| 3" | (mod.) linear | 107 | 67 | 46 | - | - | - | - | - | - | - | - | - | - |
| | eq.perc. | 56 | 41 | - | - | - | - | - | - | - | - | - | - | - |
| 4" | (mod.) linear | 179 | 110 | 72 | - | - | - | - | - | - | - | - | - | - |
| | eq.perc. | 89 | 56 | - | - | - | - | - | - | - | - | - | - | - |
| 5" | (mod.) linear | 275 | - | 110 | - | - | - | - | - | - | - | - | - | - |
| | eq.perc. | 135 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6" | (mod.) linear | 392 | 246 | - | - | - | - | - | - | - | - | - | - | - |
| | eq.perc. | 171 | 104 | - | - | - | - | - | - | - | - | - | - | - |
| 8" | (mod.) linear | 650 | 408 | - | - | - | - | - | - | - | - | - | - | - |
| | eq.perc. | 329 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10" | (mod.) linear | 1056 | 667 | - | - | - | - | - | - | - | - | - | - | - |
| | eq.perc. | 505 | - | - | - | - | - | - | - | - | - | - | - | - |

$$Kv = Cv \times 0.862$$

Definition of the Cv-Value:

The Cv-value corresponds to the volume flow of water (US gallons/min), passing the valve if a pressure difference of 1 psi is applied. Cv = 1 US gallon of flow per 1 psi of pressure drop.