|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **气体泄放面积计算** | | 计算单位 |  | |
| 计算所依据的标准 | | | **GB/T 150.1-2011 附录 B.8.3.1** | |
| **数 据 输 入** | | | **简 图** | |
| 容器的泄放量, Ws | kg/h | **$$001** |  | |
| 容器设计压力, Pd | MPa | **$$002** |
| 容器超压限度, ΔP | MPa | **$$003** |
| 泄放装置出口压力(绝压), Po | MPa(A) | **$$004** |
| 泄放系数, Kr | / | **$$005** |
| 泄放温度, tf | ℃ | **$$006** |
| 气体绝热指数, k | / | **$$007** |
| 气体摩尔质量, M | kg/k·mol | **$$008** |
| 气体压缩系数, Z | / | **$$009** |
| **计 算 过 程 及 结 果** | | | | |
| 泄放温度, Tf | K | Tf = tf + 273.15 | | **$$011** |
| 泄放压力(绝压), Pf | MPa(A) | Pf = Pd + ΔP + 0.1 | | **$$012** |
| Po/Pf | / | Po/Pf | | **$$013** |
| 临界压力比 | / |  | | **$$014** |
| 最小泄放面积, A | mm2 |  | | **$$015** |
| 最小流道直径, d | mm |  | | **$$016** |