|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **水平圆筒液体自流排净时间** | | | 计算单位 |  | |
| 计算依据 | 排空容器内液体所需时间的计算，Thomas C.Foster，《国外化工装备技术》，1982，第01期 | | | | |
| **计 算 条 件** | | | | **简 图** | |
| 圆筒内直径, Dmm | | mm | **$$001** | $01  $02  $03  $04 | |
| 圆筒长度, Lmm | | mm | **$$002** |
| 液位高度, hmm | | mm | **$$003** |
| 排液管内直径, dmm | | mm | **$$004** |
| **单 位 换 算** | | | |
| 圆筒内直径, D | | ft | **$$005** |
| 圆筒长度, L | | ft | **$$006** |
| 液位高度, h | | ft | **$$007** |
| 排液管内直径, d | | ft | **$$008** |
| **过 程 参 数** | | | |
| 排液管截面积, An | | ft2 | **$$009** |
| 重力加速度, g | | ft/s2 | **32.2** |
| **排 净 时 间 计 算** | | | | | |
| 排净时间, t | | min |  | | **$$011** |