|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **圆形平盖设计校核** | | | | 计算单位 |  | | | |
| 计算所依据的标准 | | | | | **NB/T 47003.1-2009** | | | |
| **计 算 条 件** | | | | | **平 盖 简 图** | | | |
| 设计温度, t | | | ℃ | **$$001** | $08  $06  $12 | | | |
| 设计压力, Pd | | | MPa | **$$002** |
| 介质静压力, Ps | | | MPa | **$$003** |
| 筒 体 | 材料标准号 | | **$$004** | |
| 材料牌号/名称 | | **$$005** | |
| 名义厚度, δsn | | mm | **$$006** |
| 腐蚀裕量, Cs2 | | mm | **$$007** |
| 内直径, Dsi | | mm | **$$008** |
| 焊接接头系数, φs | | / | **$$009** |
| 平 盖 | 材料标准号 | | **$$010** | |
| 材料牌号/名称 | | **$$011** | |
| 名义厚度, δpn | | mm | **$$012** |
| 腐蚀裕量, Cp2 | | mm | **$$013** |
| 焊接接头系数, φp | | / | **$$014** |
| 压力试验类型 | | | **液压试验** | |
| **材 料 特 性** | | | | | | | | |
| 筒 体 | | 材料密度, ρs | kg/m³ | **$$016** | 平 盖 | 材料密度, ρp | kg/m³ | **$$021** |
| 试验温度下屈服点, RseL | MPa | **$$017** | 试验温度下屈服点, RpeL | MPa | **$$022** |
| 材料负偏差, Cs1 | mm | **$$018** | 材料负偏差, Cp1 | mm | **$$023** |
| 设计温度许用应力, [σ]st | MPa | **$$019** | 设计温度许用应力, [σ]pt | MPa | **$$024** |
| 试验温度许用应力, [σ]s | MPa | **$$020** | 试验温度许用应力, [σ]p | MPa | **$$025** |
| **内 压 强 度 计 算 及 校 核** | | | | | | | | |
| 计算压力, Pc | | | MPa | Pc = Pd + Ps | | | | **$$026** |
| 筒 体 | | 厚度附加量, Cs | mm | Cs = Cs1 + Cs2 | | | | **$$027** |
| 有效厚度, δse | mm |  | | | | **$$028** |
| 计算内直径, Dc | mm |  | | | | **$$029** |
| 计算厚度, δsc | mm |  | | | | **$$030** |
| 结构特征系数, Kp | / |  | | | | **$$031** |
| 平 盖 | | 厚度附加量, Cp | mm | Cp = Cp1 + Cp2 | | | | **$$032** |
| 有效厚度, δpe | mm |  | | | | **$$033** |
| 计算厚度, δpc | mm |  | | | | **$$034** |
| 设计厚度, δpd | mm | δpd = δpc + Cp2 | | | | **$$035** |
| 厚度校核 | / | δpn ≥ δpd + Cp1 | | | | **$$036** |
| **压 力 试 验** | | | | | | | | |
| 平盖试验压力值, PT | | | MPa |  | | | | **$$037** |
| **MAWP** | | | | | | | | |
| 平盖最大允许工作压力 | | | MPa |  | | | | **$$038** |