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| **BZ 拷贝1** | **五环科技**  **股份有限公司** | | | | 江苏索普（集团）有限公司 | | 详细工程设计 | | | 2版 |
| 索普60万吨/年醋酸造气项目 | | 04014-15000-MC17 | | | |
| 安全阀数据表(变换) | |
| 第19页 | | 共150页 | |
| 位号 | | | | | SV1206 |  | |  | | |
| 数量 | | | | | 1 |  | |  | | |
| 应用标准 | | | | | API 520&526 |  | |  | | |
| 安全阀类型 | | | | | 普通型 |  | |  | | |
| 设计 | | | 压力[MPaG] | | 7.4 |  | |  | | |
| 条件 | | | 温度[℃] | | 150 |  | |  | | |
| 操作 | | | 压力[MPaG] | | 6.5 |  | |  | | |
| 条件 | | | 温度[℃] | | 70 |  | |  | | |
| 整定压力[MPaG] | | | | | 7.4 |  | |  | | |
| 排放背压[MPaG] | | | | |  |  | |  | | |
| 附加恒定背压[MPaG] | | | | |  |  | |  | | |
| 附加变动背压[MPaG] | | | | |  |  | |  | | |
| 总背压[MPaG] | | | | | ATM |  | |  | | |
| 流体数据 | | | | | | | | | | |
| 流体 | | | | | 灰水（g） |  | |  | | |
| Cp/Cv | | | | |  |  | |  | | |
| z | | | | |  |  | |  | | |
| 粘度[cp] | | | | | 1 |  | |  | | |
| 流量[Kg/h] | | | | | 63235.85 |  | |  | | |
| 排放温度[℃] | | | | | 70 |  | |  | | |
| 分子量(Kg/Kmol) | | | | | 24 |  | |  | | |
| 密度(Kg/ m3) | | | | |  |  | |  | | |
| 喉颈处允许超压[%] | | | | | 10 |  | |  | | |
| 计算口径 | | | | | 21.6mm |  | |  | | |
| 进口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| 出口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| P&ID 图号 | | | | |  |  | |  | | |
| 规格 | | | | 进口 | 1.5” RF B16.5 600LB |  | |  | | |
| 出口 | 3” RF B16.5 150LB |  | |  | | |
| 材料 | | | | | | | | | | |
| 阀体和阀盖 | | | | | WCB |  | |  | | |
| 阀杆 | | 阀瓣 | | | 304堆焊Stellite |  | |  | | |
| 阀座 | | | 304堆焊Stellite |  | |  | | |
| 导向套与密封圈 | | | | | 制造商推荐 |  | |  | | |
| 弹簧 | | | | | 50CrVA |  | |  | | |
| 波纹管 | | | | | 无 |  | |  | | |
|  | | | | |  |  | |  | | |
|  | | | | |  |  | |  | | |
| 备注 | | | | | 计算口径仅供参考  须由制造商最终确定  制造商提供配对法兰  紧固件、垫片 |  | |  | | |

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| 索普60万吨/年醋酸造气项目 | | 04014-15000-MC17 | | | |
| 安全阀数据表(变换) | |
| 第19页 | | 共150页 | |
| 位号 | | | | | SV1305 |  | |  | | |
| 数量 | | | | | 1 |  | |  | | |
| 应用标准 | | | | | API 520&526 |  | |  | | |
| 安全阀类型 | | | | | 普通型 |  | |  | | |
| 设计 | | | 压力[MPaG] | | 0.5 |  | |  | | |
| 条件 | | | 温度[℃] | | 150 |  | |  | | |
| 操作 | | | 压力[MPaG] | | 0.25 |  | |  | | |
| 条件 | | | 温度[℃] | | 139 |  | |  | | |
| 整定压力[MPaG] | | | | | 0.5 |  | |  | | |
| 排放背压[MPaG] | | | | |  |  | |  | | |
| 附加恒定背压[MPaG] | | | | |  |  | |  | | |
| 附加变动背压[MPaG] | | | | |  |  | |  | | |
| 总背压[MPaG] | | | | | ATM |  | |  | | |
| 流体数据 | | | | | | | | | | |
| 流体 | | | | | 酸性气（130℃ H2、CO2、H2S等） |  | |  | | |
| Cp/Cv | | | | |  |  | |  | | |
| z | | | | |  |  | |  | | |
| 粘度[cp] | | | | | 0.0239 |  | |  | | |
| 流量[Kg/h] | | | | | 22169.08 |  | |  | | |
| 排放温度[℃] | | | | | 139 |  | |  | | |
| 分子量(Kg/Kmol) | | | | | 18.02 |  | |  | | |
| 密度(Kg/ m3) | | | | | - |  | |  | | |
| 喉颈处允许超压[%] | | | | | 10 |  | |  | | |
| 计算口径 | | | | | 101.2mm |  | |  | | |
| 进口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| 出口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| P&ID 图号 | | | | |  |  | |  | | |
| 规格 | | | | 进口 | 6” RF B16.5 150LB |  | |  | | |
| 出口 | 8” RF B16.5 150LB |  | |  | | |
| 材料 | | | | | | | | | | |
| 阀体和阀盖 | | | | | WCB |  | |  | | |
| 阀杆 | | 阀瓣 | | | 304堆焊Stellite |  | |  | | |
| 阀座 | | | 304堆焊Stellite |  | |  | | |
| 导向套与密封圈 | | | | | 制造商推荐 |  | |  | | |
| 弹簧 | | | | | 50CrVA |  | |  | | |
| 波纹管 | | | | | 无 |  | |  | | |
|  | | | | |  |  | |  | | |
|  | | | | |  |  | |  | | |
| 备注 | | | | | 计算口径仅供参考  须由制造商最终确定  制造商提供配对法兰  紧固件、垫片 |  | |  | | |

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| 索普60万吨/年醋酸造气项目 | | 04014-15000-MC17 | | | |
| 安全阀数据表(变换) | |
| 第19页 | | 共150页 | |
| 位号 | | | | | SV1307 |  | |  | | |
| 数量 | | | | | 1 |  | |  | | |
| 应用标准 | | | | | API 520&526 |  | |  | | |
| 安全阀类型 | | | | | 普通型 |  | |  | | |
| 设计 | | | 压力[MPaG] | | 0.4 |  | |  | | |
| 条件 | | | 温度[℃] | | 71 |  | |  | | |
| 操作 | | | 压力[MPaG] | | -0.067 |  | |  | | |
| 条件 | | | 温度[℃] | | 60 |  | |  | | |
| 整定压力[MPaG] | | | | | 0.4 |  | |  | | |
| 排放背压[MPaG] | | | | |  |  | |  | | |
| 附加恒定背压[MPaG] | | | | |  |  | |  | | |
| 附加变动背压[MPaG] | | | | |  |  | |  | | |
| 总背压[MPaG] | | | | | ATM |  | |  | | |
| 流体数据 | | | | | | | | | | |
| 流体 | | | | | 酸性气（130℃ H2、CO2、H2S等） |  | |  | | |
| Cp/Cv | | | | |  |  | |  | | |
| z | | | | |  |  | |  | | |
| 粘度[cp] | | | | | 0.0239 |  | |  | | |
| 流量[Kg/h] | | | | | 3522.88 |  | |  | | |
| 排放温度[℃] | | | | | 60 |  | |  | | |
| 分子量(Kg/Kmol) | | | | | 19.33 |  | |  | | |
| 密度(Kg/ m3) | | | | | - |  | |  | | |
| 喉颈处允许超压[%] | | | | | 10 |  | |  | | |
| 计算口径 | | | | | 41.3mm |  | |  | | |
| 进口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| 出口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| P&ID 图号 | | | | |  |  | |  | | |
| 规格 | | | | 进口 | 3” RF B16.5 150LB |  | |  | | |
| 出口 | 4” RF B16.5 150LB |  | |  | | |
| 材料 | | | | | | | | | | |
| 阀体和阀盖 | | | | | WCB |  | |  | | |
| 阀杆 | | 阀瓣 | | | 304堆焊Stellite |  | |  | | |
| 阀座 | | | 304堆焊Stellite |  | |  | | |
| 导向套与密封圈 | | | | | 制造商推荐 |  | |  | | |
| 弹簧 | | | | | 50CrVA |  | |  | | |
| 波纹管 | | | | | 无 |  | |  | | |
|  | | | | |  |  | |  | | |
|  | | | | |  |  | |  | | |
| 备注 | | | | | 计算口径仅供参考  须由制造商最终确定  制造商提供配对法兰  紧固件、垫片 |  | |  | | |

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| 索普60万吨/年醋酸造气项目 | | 04014-15000-MC17 | | | |
| 安全阀数据表(变换) | |
| 第19页 | | 共150页 | |
| 位号 | | | | | SV1303 |  | |  | | |
| 数量 | | | | | 1 |  | |  | | |
| 应用标准 | | | | | API 520&526 |  | |  | | |
| 安全阀类型 | | | | | 波纹管平衡式 |  | |  | | |
| 设计 | | | 压力[MPaG] | | 1.2 |  | |  | | |
| 条件 | | | 温度[℃] | | 192 |  | |  | | |
| 操作 | | | 压力[MPaG] | | 0.78 |  | |  | | |
| 条件 | | | 温度[℃] | | 172 |  | |  | | |
| 整定压力[MPaG] | | | | | 1.2 |  | |  | | |
| 排放背压[MPaG] | | | | | 0.3 |  | |  | | |
| 附加恒定背压[MPaG] | | | | |  |  | |  | | |
| 附加变动背压[MPaG] | | | | |  |  | |  | | |
| 总背压[MPaG] | | | | | ATM |  | |  | | |
| 流体数据 | | | | | | | | | | |
| 流体 | | | | | 酸性气(180℃ H2、C02、H2S等) |  | |  | | |
| Cp/Cv | | | | |  |  | |  | | |
| z | | | | |  |  | |  | | |
| 粘度[cp] | | | | | 0.0239 |  | |  | | |
| 流量[Kg/h] | | | | | 46916.82 |  | |  | | |
| 排放温度[℃] | | | | | 172 |  | |  | | |
| 分子量(Kg/Kmol) | | | | | 18.59 |  | |  | | |
| 密度(Kg/ m3) | | | | | - |  | |  | | |
| 喉颈处允许超压[%] | | | | | 10 |  | |  | | |
| 计算口径 | | | | | 101.2mm |  | |  | | |
| 进口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| 出口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| P&ID 图号 | | | | |  |  | |  | | |
| 规格 | | | | 进口 | 6” RF B16.5 300LB |  | |  | | |
| 出口 | 8” RF B16.5 150LB |  | |  | | |
| 材料 | | | | | | | | | | |
| 阀体和阀盖 | | | | | WCB |  | |  | | |
| 阀杆 | | 阀瓣 | | | 316堆焊Stellite |  | |  | | |
| 阀座 | | | 316堆焊Stellite |  | |  | | |
| 导向套与密封圈 | | | | | 制造商推荐 |  | |  | | |
| 弹簧 | | | | | 50CrVA |  | |  | | |
| 波纹管 | | | | | 316L |  | |  | | |
|  | | | | |  |  | |  | | |
|  | | | | |  |  | |  | | |
| 备注 | | | | | 计算口径仅供参考  须由制造商最终确定  制造商提供配对法兰  紧固件、垫片 |  | |  | | |

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| 索普60万吨/年醋酸造气项目 | | 04014-15000-MC17 | | | |
| 安全阀数据表(变换) | |
| 第19页 | | 共150页 | |
| 位号 | | | | | SV1306 |  | |  | | |
| 数量 | | | | | 1 |  | |  | | |
| 应用标准 | | | | | API 520&526 |  | |  | | |
| 安全阀类型 | | | | | 普通型 |  | |  | | |
| 设计 | | | 压力[MPaG] | | 0.4 |  | |  | | |
| 条件 | | | 温度[℃] | | 100 |  | |  | | |
| 操作 | | | 压力[MPaG] | | -0.056 |  | |  | | |
| 条件 | | | 温度[℃] | | 79 |  | |  | | |
| 整定压力[MPaG] | | | | | 0.4 |  | |  | | |
| 排放背压[MPaG] | | | | |  |  | |  | | |
| 附加恒定背压[MPaG] | | | | |  |  | |  | | |
| 附加变动背压[MPaG] | | | | |  |  | |  | | |
| 总背压[MPaG] | | | | | ATM |  | |  | | |
| 流体数据 | | | | | | | | | | |
| 流体 | | | | | 酸性气（130℃ H2、CO2、H2S等） |  | |  | | |
| Cp/Cv | | | | |  |  | |  | | |
| z | | | | |  |  | |  | | |
| 粘度[cp] | | | | | 0.0239 |  | |  | | |
| 流量[Kg/h] | | | | | 19618 |  | |  | | |
| 排放温度[℃] | | | | | 79 |  | |  | | |
| 分子量(Kg/Kmol) | | | | | 18.03 |  | |  | | |
| 密度(Kg/ m3) | | | | | - |  | |  | | |
| 喉颈处允许超压[%] | | | | | 10 |  | |  | | |
| 计算口径 | | | | | 101.2mm |  | |  | | |
| 进口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| 出口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| P&ID 图号 | | | | |  |  | |  | | |
| 规格 | | | | 进口 | 6” RF B16.5 150LB |  | |  | | |
| 出口 | 8” RF B16.5 150LB |  | |  | | |
| 材料 | | | | | | | | | | |
| 阀体和阀盖 | | | | | WCB |  | |  | | |
| 阀杆 | | 阀瓣 | | | 304堆焊Stellite |  | |  | | |
| 阀座 | | | 304堆焊Stellite |  | |  | | |
| 导向套与密封圈 | | | | | 制造商推荐 |  | |  | | |
| 弹簧 | | | | | 50CrVA |  | |  | | |
| 波纹管 | | | | | 无 |  | |  | | |
|  | | | | |  |  | |  | | |
|  | | | | |  |  | |  | | |
| 备注 | | | | | 计算口径仅供参考  须由制造商最终确定  制造商提供配对法兰  紧固件、垫片 |  | |  | | |

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| 索普60万吨/年醋酸造气项目 | | 04014-15000-MC17 | | | |
| 安全阀数据表(变换) | |
| 第19页 | | 共150页 | |
| 位号 | | | | | SV1308 |  | |  | | |
| 数量 | | | | | 1 |  | |  | | |
| 应用标准 | | | | | API 520&526 |  | |  | | |
| 安全阀类型 | | | | | 普通型 |  | |  | | |
| 设计 | | | 压力[MPaG] | | 0.7 |  | |  | | |
| 条件 | | | 温度[℃] | | 42 |  | |  | | |
| 操作 | | | 压力[MPaG] | | 0.4 |  | |  | | |
| 条件 | | | 温度[℃] | | 42 |  | |  | | |
| 整定压力[MPaG] | | | | | 0.7 |  | |  | | |
| 排放背压[MPaG] | | | | |  |  | |  | | |
| 附加恒定背压[MPaG] | | | | |  |  | |  | | |
| 附加变动背压[MPaG] | | | | |  |  | |  | | |
| 总背压[MPaG] | | | | | ATM |  | |  | | |
| 流体数据 | | | | | | | | | | |
| 流体 | | | | | 循环水、酸性气(130℃ H2、C02、H2S等) |  | |  | | |
| Cp/Cv | | | | |  |  | |  | | |
| z | | | | |  |  | |  | | |
| 粘度[cp] | | | | | 1 |  | |  | | |
| 流量[Kg/h] | | | | | 71412.69 |  | |  | | |
| 排放温度[℃] | | | | | 42 |  | |  | | |
| 分子量(Kg/Kmol) | | | | |  |  | |  | | |
| 密度(Kg/ m3) | | | | | 996 |  | |  | | |
| 喉颈处允许超压[%] | | | | | 10 |  | |  | | |
| 计算口径 | | | | | 41.3mm |  | |  | | |
| 进口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| 出口管线 | | | | |  |  | |  | | |
|  |  | |  | | |
| P&ID 图号 | | | | |  |  | |  | | |
| 规格 | | | | 进口 | 3” RF B16.5 150LB |  | |  | | |
| 出口 | 4” RF B16.5 150LB |  | |  | | |
| 材料 | | | | | | | | | | |
| 阀体和阀盖 | | | | | WCB |  | |  | | |
| 阀杆 | | 阀瓣 | | | 304堆焊Stellite |  | |  | | |
| 阀座 | | | 304堆焊Stellite |  | |  | | |
| 导向套与密封圈 | | | | | 制造商推荐 |  | |  | | |
| 弹簧 | | | | | 50CrVA |  | |  | | |
| 波纹管 | | | | | 无 |  | |  | | |
|  | | | | |  |  | |  | | |
|  | | | | |  |  | |  | | |
| 备注 | | | | | 计算口径仅供参考  须由制造商最终确定  制造商提供配对法兰  紧固件、垫片 |  | |  | | |