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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|----------------------------------|------------|---------------------------------------------------------------------------------------------|------------|----------------|----------------------|------------------|--|---------------------|
| <div></div> <div>江苏索普工程科技有限公司<br/>JiangSu SOPo Engineering<br/>Technology Co. Ltd.</div> |                   |            | 仪表数据表<br>INSTRUMENT DATA SHEET   |            |                                                                                             |            |                |                      |                  |  |                     |
|                                                                                                                                                                           |                   |            | 气动调节阀<br>PNEUMATIC CONTROL VALVE |            |                                                                                             |            | 工程号<br>ENG NO. |                      | 主项号<br>PROJ. NO. |  |                     |
|                                                                                                                                                                           |                   |            | 合同号<br>CONT. NO.                 |            |                                                                                             |            | 图号<br>DWG. NO. |                      |                  |  |                     |
|                                                                                                                                                                           |                   |            |                                  |            |                                                                                             |            | 设计阶段<br>STAGE  |                      | 施工图              |  | 第 张 共 张<br>SHEET OF |
| 位号 TAG NO.                                                                                                                                                                |                   |            | FV-1902                          |            | 计算 Cv CALC. Cv                                                                              |            |                | 3.08/2.05            |                  |  |                     |
| 用途 SERVICE                                                                                                                                                                |                   |            | T1902进料流量调节阀                     |            | 选择 Cv RATED Cv                                                                              |            |                |                      |                  |  |                     |
|                                                                                                                                                                           |                   |            |                                  |            | 连接形式 CONNECTION TYPE                                                                        |            |                | 法兰连接                 |                  |  |                     |
| P&ID号 P&ID NO.                                                                                                                                                            |                   |            | 202401-109-P02-01/0              |            | 法兰标准及等级 FLANGE STD. & DEGREE                                                                |            |                | ANSI B16.5           |                  |  |                     |
| 管道编号 LINE NO.                                                                                                                                                             |                   |            | PL-11915-1"-ALL1                 |            | 法兰尺寸及密封面 FLANGE SIZE&SEA                                                                    |            |                | 1/2"-150LB RF        |                  |  |                     |
| 管道材质 PIPE MATERIAL                                                                                                                                                        |                   |            | 316L                             |            | 法兰材质 FLANGE MATERIAL                                                                        |            |                | 316L                 |                  |  |                     |
| 管道规格 PIPE SPECIFICATION                                                                                                                                                   |                   |            | 1"                               |            | 执行机构 ACTUATOR                                                                               |            |                |                      |                  |  |                     |
| 操作条件 OPERATING CONDITIONS                                                                                                                                                 |                   |            |                                  |            | 型号 MODEL                                                                                    |            |                |                      |                  |  |                     |
| 工艺介质 PROCESS FLUID                                                                                                                                                        |                   |            | 碘甲烷、乙醛                           |            | 型式 TYPE                                                                                     |            |                | 弹簧薄膜                 |                  |  |                     |
| 操作温度 OPER. TEMPER. °C                                                                                                                                                     |                   |            | 85                               |            | 作用形式 ACTION                                                                                 |            |                | 反作用                  |                  |  |                     |
| 阀前压力 UPSTREAM PRESSURE MPa (G)                                                                                                                                            |                   |            | 0.5                              |            | 弹簧范围 SPRING RANGE                                                                           |            |                | 0.08~0.24MPa         |                  |  |                     |
| 阀后压力 DOWNSTREAM PRESSURE MPa (G)                                                                                                                                          |                   |            | 0.4                              |            | 相对行程 TRAVEL                                                                                 |            |                |                      |                  |  |                     |
| 阀关闭差压 SHUT-OFF DIFF. PRESSURE MPa                                                                                                                                         |                   |            | 0.1                              |            | 手轮 HAND WHEEL                                                                               |            |                |                      |                  |  |                     |
| 流量<br>FLOW                                                                                                                                                                | 气体 GAS Nm³/h      |            | 最大 MAX.                          | 0.5        | 供气压力 AIR SUPPLY PRESS.                                                                      |            |                | 0.25MPa              |                  |  |                     |
|                                                                                                                                                                           | 蒸汽 VAPOR Kg/h     |            | 正常 NOR.                          | 0.3        | 气源接头 AIR CONN. SIZE                                                                         |            |                | 1/4"NPT (F)-1/4      |                  |  |                     |
|                                                                                                                                                                           | 液体 LIQUID m³/h    |            | 最小 MIN.                          | 0          | 电气定位器 I/P POSITIONER                                                                        |            |                |                      |                  |  |                     |
| 操作密度 OPER. DENSITY Kg/m3                                                                                                                                                  |                   |            | 1210                             |            | 型号 MODEL                                                                                    |            |                | 见备注                  |                  |  |                     |
| 动力粘度 DYNAMIC VISCOSITY mPa.s                                                                                                                                              |                   |            |                                  |            | 输入信号 INPUT SIGNAL                                                                           |            |                | 4~20mA带HART          |                  |  |                     |
| 比重(空气=1) SPEC. GRAV. (AIR=1)                                                                                                                                              |                   |            |                                  |            | 输出信号 OUTPUT SIGNAL                                                                          |            |                | 0.02~0.1MPa          |                  |  |                     |
| 压缩系数 COMPRESS FACTOR K                                                                                                                                                    |                   |            |                                  |            | 气源压力 AIR SUPPLY PRESS.                                                                      |            |                | 0.14~0.5MPa          |                  |  |                     |
| 气化压力 VAPOR PRESSURE MPa Pv                                                                                                                                                |                   |            |                                  |            | 作用形式 ACTION                                                                                 |            |                | 增加信号阀门开              |                  |  |                     |
| 临界压力 CRITICAL PRESSURE MPa Pc                                                                                                                                             |                   |            |                                  |            | 电气接口尺寸 ELEC. CONN. SIZE                                                                     |            |                | 1/2"NPT              |                  |  |                     |
| 噪音声平 NOISE LEVEL                                                                                                                                                          |                   |            |                                  |            | 气信号接口尺寸 PNEU. CONN. SIZE                                                                    |            |                | 1/4"NPT              |                  |  |                     |
| 空气故障时阀位置 AIR FAIL VALVE POSITION                                                                                                                                          |                   |            | FC                               |            | 气源接口尺寸 AIR SUPP. CONN. SIZE                                                                 |            |                | 1/4"NPT              |                  |  |                     |
| 阀体/阀芯规格 BODY/PLUG SPECIFICATION                                                                                                                                           |                   |            |                                  |            | 防爆等级 EXPLOSION-PROOF CLASS                                                                  |            |                | ExdIIBT4             |                  |  |                     |
| 阀型号 VALVE MODEL                                                                                                                                                           |                   |            |                                  |            | 附件 ACCESSORY                                                                                |            |                |                      |                  |  |                     |
| 阀型式 VALVE TYPE                                                                                                                                                            |                   |            | 单座                               |            | 过滤器减压阀 REGULATOR                                                                            |            |                | 要, SS                |                  |  |                     |
| 流开/流关 FLOW OPEN/CLOSE                                                                                                                                                     |                   |            | 流开                               |            | 阀位开关 POSITION SWITH                                                                         |            |                | ——                   |                  |  |                     |
| 阀座数量 NO. OF SEATS                                                                                                                                                         |                   |            | 1                                |            | 电磁阀 SOLENOID                                                                                |            |                | WSNF8327B202         |                  |  |                     |
| 阀芯型式 PLUG TYPE                                                                                                                                                            |                   |            | 柱塞                               |            | 制造厂 MANUFACTURER                                                                            |            |                |                      |                  |  |                     |
| 阀口径 PORT SIZE/阀座                                                                                                                                                          |                   |            |                                  |            | 数量 QUANTITY                                                                                 |            |                | 1                    |                  |  |                     |
| 流量特性 FLOW CHARACTERISTIC                                                                                                                                                  |                   |            | 等比                               |            | 备注 REMARKS                                                                                  |            |                | ANSI V<br>带316L波纹管密封 |                  |  |                     |
| 散热片/延伸杆 FIN/EXTENTION                                                                                                                                                     |                   |            | ——                               |            |                                                                                             |            |                |                      |                  |  |                     |
| 阀体材质 BODY MATERIAL                                                                                                                                                        |                   |            | CF3M                             |            | 1. 阀门定位器品牌FISHER DVC6200、福斯 3200MD或萨姆森3731<br>2. 提供两片焊接法兰（316L）及螺栓螺母垫片<br>3. 电磁阀ASCO 220VAC |            |                |                      |                  |  |                     |
| 阀芯材质 PLUG MATERIAL                                                                                                                                                        |                   |            | 316L                             |            |                                                                                             |            |                |                      |                  |  |                     |
| 阀座材质 SEAT MATERIAL                                                                                                                                                        |                   |            | 316L                             |            |                                                                                             |            |                |                      |                  |  |                     |
| 填料材质 PACKING MAT'L                                                                                                                                                        |                   |            | PTFE                             |            |                                                                                             |            |                |                      |                  |  |                     |
|                                                                                                                                                                           |                   |            |                                  |            |                                                                                             |            |                |                      |                  |  |                     |
|                                                                                                                                                                           |                   |            |                                  |            |                                                                                             |            |                |                      |                  |  |                     |
| 版次<br>REV.                                                                                                                                                                | 说明<br>DESCRIPTION | 设计<br>DESD | 日期<br>DATE                       | 校核<br>CHED | 日期<br>DATE                                                                                  | 审核<br>APPD | 日期<br>DATE     |                      |                  |  |                     |