

|    |                            |                            |                        |              |              |                      |                                 |                      |                    |         |
|----|----------------------------|----------------------------|------------------------|--------------|--------------|----------------------|---------------------------------|----------------------|--------------------|---------|
| 1  | Line No.                   | 3/4"PA-88509-A19-Z         |                        |              |              | Tag No.              | KV-88705                        |                      |                    |         |
| 2  | Service                    | On- Off                    |                        |              |              | Type No.             |                                 |                      |                    |         |
| 3  | Fluid                      | Air                        |                        |              |              | P&ID No.             | 880-PD-B-87930 Sh.2             |                      |                    |         |
| 4  | SERVICE COND               |                            | Units                  | Min. Flow    | Normal. Flow | Max.Flow             | Other Flow                      |                      |                    |         |
| 5  |                            | Flow Rate                  | Nm3/h                  |              | 40           |                      |                                 |                      |                    |         |
| 6  |                            | Inlet Pressure             | bar(a)                 |              | 10,25        |                      |                                 |                      |                    |         |
| 7  |                            | Outlet Pressure            | bar(a)                 |              | 10,25        |                      |                                 |                      |                    |         |
| 8  |                            | Inlet Temperature          | degC                   |              | 10           |                      |                                 |                      |                    |         |
| 9  |                            | Mol Weight                 | Density                | kg/m3        |              | 28,96                | 12,612                          |                      |                    |         |
| 10 |                            | Flashing                   | Vap. Density           | cP           |              |                      |                                 |                      |                    |         |
| 11 |                            | Vapor Pressure Pv          | bar(a)                 |              |              |                      |                                 |                      |                    |         |
| 12 |                            | Critical pressure          | bar(a)                 |              |              |                      |                                 |                      |                    |         |
| 13 |                            | Required Cv                |                        |              |              |                      |                                 |                      |                    |         |
| 14 |                            | Position @calc. Cv         | %                      |              |              |                      |                                 |                      |                    |         |
| 15 |                            | Allowable                  | Predicted SPL          | db(A)        |              |                      |                                 |                      |                    |         |
| 15 | Gas Compressibility Factor |                            |                        |              |              |                      |                                 |                      |                    |         |
| 16 | LINE                       | ID / Th. (mm)              | In                     | 26,67 / 2,87 |              | 50                   | Type                            | Pneumatic            |                    |         |
| 17 |                            |                            | Out                    | 26,67 / 2,87 |              | 51                   | Mfr & Model                     | APM 148 SE           |                    |         |
| 18 |                            | Line Insulation            | NO                     |              |              | 52                   | Size                            | Eff Area             |                    |         |
| 19 | VALVE BODY/BOX             | Type                       | Ball                   |              |              | 53                   | Application Type                | On - Off             |                    |         |
| 20 |                            | Size                       | 3/4"                   | ANSI Class   | 800#         | 54                   | Spring Action Open/Close        | Close                |                    |         |
| 21 |                            | Max Press.                 | 56 bar                 | Max Temp.    | 100 °C       | 55                   | Max Allowable Pressure          | 10 bar g             |                    |         |
| 22 |                            | Mfr & Model                | Adler & FS2            |              |              | 56                   | Min Required Pressure           | 4 bar g              |                    |         |
| 23 |                            | Body material              | AISI 316               |              |              | 57                   | Available Air Supply Pressure:  |                      |                    |         |
| 24 |                            | Bonnet Material            | N.A.                   |              |              | 58                   | Max                             | 10 bar g             | Min                | 4 bar g |
| 25 |                            | End In                     | Thd 3/4" NPT F         |              |              | 59                   | Bench Range                     | 0 ÷ 4 bar            |                    |         |
| 26 |                            | Connection Out             | Thd 3/4" NPT F         |              |              | 60                   | Actuator Orientation            | Parallel to the pipe |                    |         |
| 27 |                            | Flg Face Finish            | -                      |              |              | 61                   | Handweel                        | No                   |                    |         |
| 28 |                            | Flow Direction             | N.A.                   |              |              | 62                   | Air Failure Valve               | Close                |                    |         |
| 29 |                            | Type of Bonnet             | Standard               |              |              | 63                   | DP for Act. Sizing              | 12 bar g             |                    |         |
| 30 |                            | Packing Material           | PTFE                   |              |              | 64                   | Input Signal                    |                      |                    |         |
| 31 | Packing Type               | Spring loaded              |                        |              | 65           | Type                 |                                 |                      |                    |         |
| 32 | TRIM                       | Type                       | Ball                   |              |              | 66                   | Mfr & Model                     |                      |                    |         |
| 33 |                            | Size                       | 3/4"                   | Rated Travel | 100%         | 67                   | On Increase Signal Output       |                      |                    |         |
| 34 |                            | Characteristic             | On - Off               |              |              | 68                   | Gauges                          | By-pass              |                    |         |
| 35 |                            | Balance/Unbalance          | Balance                |              |              | 69                   | Cam Characteristic              |                      |                    |         |
| 36 |                            | Rate Cv                    | Full                   | FI           | - Xt -       | 70                   | Type                            | NJ2-12GK-N           |                    |         |
| 37 |                            | Plug/Ball/Disk Matl        | ASTM A479-F316         |              |              | 71                   | Mfr & Model                     | Pepperl+Fuchs        |                    |         |
| 38 |                            | Seat Material              | PTFE                   |              |              | 72                   | Contacts/Rating                 | NC 1 A 24 VDC        |                    |         |
| 39 |                            | Cage/Guide Material        | N.A.                   |              |              | 73                   | Actuation Points                | Close                |                    |         |
| 40 |                            | Stem Material              | ASTM A479-F316         |              |              | 74                   | Tag Number(s)                   | KLS-88705C           |                    |         |
| 41 |                            | ANSI/FCI Leakage Class     | VI                     |              |              | 75                   | Mfr & Model                     | ASCO & 34208002      |                    |         |
| 42 |                            | IEC Class                  | IP 55 (for pneumatic)  |              |              | 76                   | Set Pressure                    | 8 bar g              |                    |         |
| 43 |                            |                            | IP 65 (for electronic) |              |              | 77                   | Filter                          | Yes                  | Gauge              | Yes     |
| 44 | Tubing:                    | AISI 316                   |                        |              | 78           | I/P Reqd?            | No                              | Tag                  |                    |         |
| 45 | Fitting:                   | AISI 316, compression type |                        |              | 79           | Solenoid Reqd?       | Yes                             | Q.ty                 | 2 WAY 3/2 U COIL H |         |
| 46 | Elec. Conn.                | ISO M20 x1.5               |                        |              | 80           | Tag Number(s)        | KZY-88705 / KY-88705            |                      |                    |         |
| 47 | Oxygen clean.              | No                         |                        |              | 81           | Mfr & Model          | Asco NFET8327B202 24 Vdc EV (1) |                      |                    |         |
| 48 | Sun Shade                  | No                         |                        |              | 82           | Position transmitter | No                              |                      |                    |         |
| 49 |                            |                            |                        |              | 83           | Position transmitter | No                              |                      |                    |         |

NOTES : 1) 1/4"NPT Body AISI 316 - Packing Viton - with AISI discharge protection/silencer mod. 34600483  
2) SIAD MI code: 4VA1422

Form code: MDT.GG.QUA.0004 Sh. 01/Rev. 3.96

This document and the information herein contained are confidential and the sole property of Salpem who will safeguard its rights according to the civil and penal provisions of the law. It shall neither be shown to third parties nor used for purposes other than those for which it has been disclosed.