

P-112/2

| ISA FORM S20.55   |                          | Specification Sheet           |                                |           |             | Project |  |  |
|-------------------|--------------------------|-------------------------------|--------------------------------|-----------|-------------|---------|--|--|
| Customer          |                          |                               | 2 WAY SOLENOID OPERATED VALVES |           |             |         |  |  |
| Equipment         |                          |                               |                                |           |             |         |  |  |
| Plant             |                          |                               |                                |           |             |         |  |  |
| Requisition.      |                          |                               |                                |           |             |         |  |  |
| Contract No.      |                          |                               |                                |           |             |         |  |  |
| GENERAL           | 1                        | Quantity                      | 02 Nos.                        |           |             |         |  |  |
|                   | 2                        | Service                       | On/Off                         |           |             |         |  |  |
|                   | 3                        | Tag No.                       |                                |           |             |         |  |  |
|                   | 4                        | Line No.                      |                                |           |             |         |  |  |
|                   | 5                        | Line Size                     | schedule                       | ND 150mm  | Sch.40s     |         |  |  |
| VALVE BODY        | 7                        | Type of Body                  | MFG REM                        |           |             |         |  |  |
|                   | 8                        | Body Size                     | Port Size                      | MFG REM   | ND 150mm    |         |  |  |
|                   | 9                        | Guiding                       | No. of Ports                   |           |             |         |  |  |
|                   | 10                       | End Conn. & Rating            | RF Flanged ANSI#150            |           |             |         |  |  |
|                   | 11                       | Body Material                 | SS 316                         |           |             |         |  |  |
|                   | 12                       | Packing Material              | PTFE                           |           |             |         |  |  |
|                   | 13                       | Lubricator                    | Isolating Valve                |           |             |         |  |  |
|                   | 14                       | Bonet Type                    | MFG REM                        |           |             |         |  |  |
|                   | 15                       | Trim Form                     | Quick opening                  |           |             |         |  |  |
|                   | 16                       | Trim Material Seat/Plug       | SS 316                         |           |             |         |  |  |
|                   | 17                       | Shaft Material                | SS 316                         |           |             |         |  |  |
|                   | 18                       | Required Seat Thickness       | ANSI IV                        |           |             |         |  |  |
|                   | ACTUATOR                 | 19                            | Bore Size                      | Full bore |             |         |  |  |
| 20                |                          | Maximum allowable Sound Level | 85 dBA                         |           |             |         |  |  |
| 21                |                          | Model No. and size            |                                |           |             |         |  |  |
| 22                |                          | Type of Actuator              | Single Acting                  |           |             |         |  |  |
| 23                |                          | Close at                      | Open at                        |           |             |         |  |  |
| 24                |                          | Flow action to                | MFG REM                        |           |             |         |  |  |
| 25                |                          | Security position             | CLOSE                          |           |             |         |  |  |
| 26                |                          | Fail position                 | Closed                         |           |             |         |  |  |
| 27                |                          | Hand wheel                    | Position                       | Yes       | MFG         |         |  |  |
| 28                | Filter & Regulator       | Gauge                         | Yes                            | Yes       |             |         |  |  |
| SOLENOID          | 29                       | Air Supply Pressure           | 6 Bar                          |           |             |         |  |  |
|                   | 30                       | Power Supply                  | 24 VDC                         |           |             |         |  |  |
|                   | 31                       | 3 Way Valve                   | Universal Type                 |           |             |         |  |  |
|                   | 32                       | Style of Coil                 | MFG REM                        |           |             |         |  |  |
|                   | 33                       | Connection                    | 1/4" NPT                       |           |             |         |  |  |
|                   | 34                       | Body Material                 | Stainless Steel                |           |             |         |  |  |
| LIMIT SWITCH      | 35                       | Conduit Connection            | 1/2" with Gland                |           |             |         |  |  |
|                   | 36                       | Type                          | Quantity                       | Lever Arm | 02 No.      |         |  |  |
|                   | 37                       | Contacts                      | Rating                         | DPDT      | 2A @ 24V DC |         |  |  |
|                   | 38                       | Acting Points                 | Full Open Full Close           |           |             |         |  |  |
| SERVICE CONDITION | 39                       | Enclosure Type/CSA Rating     | Intrinsically Safe/IP 65       |           |             |         |  |  |
|                   | 40                       | Fluid Unit                    | m <sup>3</sup> /hr             |           |             |         |  |  |
|                   | 41                       | Fluid                         | Air                            |           |             |         |  |  |
|                   | 42                       | Flow Max / Min                | 1200                           |           |             |         |  |  |
|                   | 43                       | Operating Pressure            | (- 300mbar(g))                 |           |             |         |  |  |
|                   | 44                       | Estim. Min. dP / Max. dP      |                                |           |             |         |  |  |
|                   | 45                       | Valve Min. dP / Max. dP       |                                |           |             |         |  |  |
|                   | 46                       | Max T°                        | Oper. T°                       | 80 °C     |             |         |  |  |
|                   | 47                       | Spec. Gravity @ Oper. T°      |                                |           |             |         |  |  |
|                   | 48                       | Max. Viscosity @ Oper. T°     |                                |           |             |         |  |  |
| 49                | % Solids                 |                               |                                |           |             |         |  |  |
| 50                | Area Clasification       |                               |                                |           |             |         |  |  |
| 51                | Required CV              |                               |                                |           |             |         |  |  |
| 52                | Valve CV                 |                               |                                |           |             |         |  |  |
| 53                | Installation Orientation | Horizontal line               |                                |           |             |         |  |  |

NOTES: 1. Coil must be rated for continious service  
2. Cable entry must be 1/2" NPT