

FIELD INSTRUMENTS

Sr. No,	Specification	Qty.
01	Flow Transmitters Fluid; HG Gas Flow Range; 0.5-5 Kg/hr Density; 15.0 Kg/ma Pressure: 0.6 bar(g) Temperature; 75 °C Viscosity; 0.015(mPa.s) Tube Material: PTFE Lined SS Float Material; Al2O3/Ceramic Process Connection: NPS 1/2, Flanged ANS1150 RF Conduit Connection: 1/2" NPT Function: Indicate & Transmit Type: Variable Area Flow meter Input; 02 Wire Loop Powered 74V DC Output: 4-20 mA HART Enabled Enclosure Class: NEMA -4x, IP-65 Make/Model: KROHNE H250(M9 Indicator) (for compatibility with available plant items) % Note: Calibration Data for given process parameters must be	02 Nos.
02	Solenoid Valve Electric Type: 02 ways, Direct Acting Pilot Operated Valves Process Connection: 1/2" NPT (F) (Should be suitable for both Horizontal & Vertical mounting position) Valve body/Shaft material: SS-316/SS-304 Valve sealing Gasket: PTFE/FPM Process Pressure: 1-2 bar Process Temperature: 50 °C Fail Sate: Normally Closed Power: 220 VAC, 50Hz Enclosure Class: NEMA-4X, IP-65 Make: GF, Danfoss, Burkert European Equivalent	40 Nos.

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03	Control Valves	40 Nos.
	Type: Single Seated Globe Valve Valve Body Material; SS-316/SS-304 Line Size: 1/2" Packing Material: PTFE/FPM Wetted Parts Material: SS-316/SS-304 (Trim/Seat/Shaft/Plug) Trim Form; Linear Cv Value: 0.3-0.5 Bonnet Type: Standard / SS-316 Process Connection: Flanged, ANS1150 RF Pneumatic Connection Size; 1/4" NPT (Female) (Air Supply) ACTUATOR Type of Actuator: Pneumatic Diaphragm Close at: 0.2 bar (G) Open at; 1.0 bar (G) Flow Action to; Open Fail Safe Position: Close POSITIONER Input Signal: 4-20 mA Output Signal: ' 0.2-1.0 Bar (G) Air Supply Pressure: 1.4 Bar(G) SERVICE Medium: Steam Density of Medium; 2.2 kg/m* Process Temperature: 150 °C Nominal Flow; 0-10 kg/hr Inlet Pressure (Normal): 4 bar Inlet Pressure (Max.): 4 bar Conduit Connection: 1/2" NPT Enclosure Class: NEMA-4X, IP-65 Make: YOKOGAWA, Flow Serve, Samson, V-Flo, E6E or Equivalent	