



## Specifications for the liquid & solid separation equipment

|   |   |                     |    |
|---|---|---------------------|----|
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| Client  |   | Rfq. No.            |    |
| Project Name  |   | Date                |    |
| Equipment Name  | <input type="checkbox"/> Automatic Self-cleaning filter<br><input type="checkbox"/> liquid-solid separation equipment | Project no.         |    |
| Equipment No.   |   |                     |    |
| Name of fluid   |   |                     |    |
| Valuable products   | <input type="checkbox"/> Liquid <input type="checkbox"/> solid  |                     |    |
| Flow Rate -   |   |                     |    |
| Operating Pressure  | Kg/cm <sup>2</sup> G  |                     |    |
| Operating Temperature   | °C  |                     |    |
| Specific gravity @ operating temperature (sp.gr.)   |   |                     |    |
| Viscosity @ operating temperature-  | Cp  |                     |    |
| Allow. Clean pressure drop-   | Kg/cm <sup>2</sup>  |                     |    |
| Solid Name  |   |                     |    |
| Solid to be removed   |   |                     |    |
| Particles size distribution   |   |                     |    |
| Solid content   | P.P.M.  |                     |    |
| Solid density   | Kg/m <sup>3</sup>   |                     |    |
| Operation   | <input type="checkbox"/> Continuous <input type="checkbox"/> batch process  |                     |    |
| Design pressure   | Kg/cm <sup>2</sup> g  | Design temperature  | °C |
| Design code   |   | Corrosion allowance | mm |
| <b>Material of construction</b>   |   |                     |    |
| Shell   |   | Nozzle List         |    |
| Cover   |   | Inlet & Outlet      |    |
| Internal parts  |   | Vent                |    |
| Support Legs  |   | Drain               |    |
| Shell Flange  |   | D.P. port           |    |
| Elements  |   | Bolt & Nuts         |    |
| Gaskets & seals   |   |                     |    |
| Type of cover : <input type="checkbox"/> Hex. through bolted <input type="checkbox"/> Eye-Nut <input type="checkbox"/> Clamp <input type="checkbox"/> Q.O.C.  |   |                     |    |
| Plant air or nitrogen available : _____ kg/cm <sup>2</sup> G   _____ °C   |   |                     |    |
| Surface treatment : : Internal& External <input type="checkbox"/> Pickling  |   |                     |    |

|   |   |
|---|---|
| Power Supply: : _____ , Insulation class : _____ , Temperature rise : _____<br>IP _____ , Hazardous Area : _____                            |   |
| Accessories : <input type="checkbox"/> D.P. Indicator <input type="checkbox"/> D.P. Switch or transmitter <input type="checkbox"/> Air vent |   |
| Spare parts : <input type="checkbox"/> Element- _____ % as an option <input type="checkbox"/> Gaskets & seals- _____ %                      |   |
| Inspection & Test report : <input type="checkbox"/> ASME code with or without U Stamped <input type="checkbox"/> CNS 9788                   |   |
| <b>Documentation</b>  |   |
| <b>With quotation</b>   |   |
| Guarantee statement- 12 months after initial acceptance or 18 months after the date of shipment   | Technical proposal with detailed description of data sheet  |
| Process description   | Spare parts for one year's operation  |
| Complete filter data sheet  | Noise data sheet  |
| Catalogue   | Outline dimension drawing   |
| <b>For approval</b>   |   |
| Outline dimension drawings, including foundation loads , acceptable nozzle loads , lifting details & interface/connection detail            | Cross section drawings, including materials grade and manufacturing parts no.   |
| Detail drawings of fabrication parts  | Piping schematic / bill of materials  |
| Electrical and instrumentation schematics, wiring diagrams and bill of materials  | Electrical and instrumentation arrangement drawing and list of components   |
| Instrument data sheet & calculation ( including set points )  | Control logic and function diagram  |
| <b>Final Certified</b>  |   |
| Inspection & Test report  | hydrostatic test, performance test, painting, flange protection, marking & positive material identification & preparation for shipment. |
| Manuals   | Installation , operation , maintenance  |
| <b>Notes</b>  |   |