



Application Questionnaire for Selection of FITOK Sampling Systems

| I. Customer Information | | Customer Name | | End User | | |
|---------------------------|---------------------------|--|---|--------------------------------------|-------------------------------------|--|
| II. Project Information | | Project Name | | Site Location | | |
| III. Technical Parameters | | | | | | |
| No. | Section | Specification | | | | |
| 1 | Process Data | Sample/fluid name and composition | | | | |
| 2 | | Tag number | | | | |
| 3 | | Fluid phase state | <input type="radio"/> Liquid | <input type="radio"/> Gas | <input type="radio"/> Liquefied gas | |
| 4 | | Design pressure | <input type="radio"/> psig | <input type="radio"/> bar | | |
| 5 | | Operating pressure* ¹ | <input type="radio"/> psig | <input type="radio"/> bar | | |
| 6 | | Saturated vapor pressure* ² | <input type="radio"/> psig | <input type="radio"/> bar | | |
| 7 | | Design temp. | <input type="radio"/> °C | <input type="radio"/> °F | | |
| 8 | | Operating temp.* ³ | <input type="radio"/> °C | <input type="radio"/> °F | | |
| 9 | | Particles* ⁴ | <input type="checkbox"/> | Size and Content | _____ μm, _____ % | |
| 10 | Materials of Construction | Wetted material | <input type="radio"/> 316SS (Std.) <input type="radio"/> Alloy 400 <input type="radio"/> Hastelloy C-276 <input type="radio"/> Others_____ | | | |
| 11 | | O-ring material | <input type="radio"/> FKM (Viton)(Std.) <input type="radio"/> FFKM (Kalrez) <input type="radio"/> EPDM <input type="radio"/> Others_____ | | | |
| 12 | | Valve seat material | <input type="radio"/> PTFE (Std.) <input type="radio"/> PEEK <input type="radio"/> PCTFE <input type="radio"/> Others_____ | | | |
| 13 | Connection Type | Inlet/outlet type and size | Inlet _____ Outlet _____ | | | |
| 14 | | Vent type and size | Vent _____ | | | |
| 15 | | Nitrogen port type and size | Nitrogen port _____ | | | |
| 16 | Sample Container | Container type | <input type="radio"/> Bottle <input type="radio"/> Cylinder | | | |
| 17 | Bottle | Bottle volume | <input type="radio"/> 50 ml <input type="radio"/> 60 ml <input type="radio"/> 100 ml <input type="radio"/> 150 ml <input type="radio"/> 250 ml <input type="radio"/> 300 ml <input type="radio"/> 500 ml <input type="radio"/> 1000 ml <input type="radio"/> 2 oz <input type="radio"/> 4 oz <input type="radio"/> 8 oz <input type="radio"/> 16 oz <input type="radio"/> 32 oz <input type="radio"/> Others_____ | | | |
| 18 | | Needle assembly size: process needle ID (mm) x vent needle ID (mm) | <input type="radio"/> 1.4 x 1.4 (Std.) <input type="radio"/> 2.0 x 1.4 <input type="radio"/> 2.0 x 2.0 <input type="radio"/> 3.0 x 1.4 <input type="radio"/> 3.0 x 3.0 <input type="radio"/> 4.0 x 1.4 <input type="radio"/> 6.0 x 1.4 | | | |
| 19 | | Bottle material | <input type="radio"/> Soda-lime glass (Std.) <input type="radio"/> Amber glass <input type="radio"/> Borosilicate glass <input type="radio"/> Polyethylene <input type="radio"/> Polypropylene <input type="radio"/> Others_____ | | | |
| 20 | | Septum material | <input type="radio"/> PTFE coated silicone(Std.) <input type="radio"/> EPDM <input type="radio"/> Silicone rubber <input type="radio"/> FKM <input type="radio"/> PTFE coated butyl <input type="radio"/> Natural rubber <input type="radio"/> Others_____ | | | |
| 21 | | Cap material | <input type="radio"/> Polypropylene <input type="radio"/> PBT (Polybutylene terephthalate) <input type="radio"/> Aluminium | | | |
| 22 | Cylinder | Cylinder volume | <input type="radio"/> 75 ml <input type="radio"/> 150 ml <input type="radio"/> 300 ml <input type="radio"/> 500 ml <input type="radio"/> 1000 ml <input type="radio"/> 2250 ml <input type="radio"/> Others_____ | | | |
| 23 | | Cylinder material | <input type="radio"/> 316L (Std.) <input type="radio"/> 304L <input type="radio"/> Alloy 400 <input type="radio"/> Others_____ | <input type="checkbox"/> PTFE coated | | |



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|----|---------------|--|--------------------------|--|--|
| 24 | Accessories | Enclosure type and material | <input type="checkbox"/> | <input type="radio"/> Standard <input type="radio"/> Insulated <input type="radio"/> Heated by electric <input type="radio"/> Heated by steam | <input type="radio"/> 304SS (Std.) <input type="radio"/> 316SS <input type="radio"/> Others _____ |
| 25 | | Panel | <input type="checkbox"/> | Material | <input type="radio"/> 316SS <input type="radio"/> 304SS <input type="radio"/> Others _____ |
| 26 | | Pipe stand | <input type="checkbox"/> | Material | <input type="radio"/> 304SS <input type="radio"/> CS20 <input type="radio"/> Others _____ |
| 27 | | Cooler | <input type="checkbox"/> | Cooling inlet/outlet type and size | Inlet _____ Outlet _____ |
| 28 | | Steam tracing | <input type="checkbox"/> | Steam inlet/outlet type and size | Inlet _____ Outlet _____ |
| 29 | | Others* ⁵ | | | |
| 30 | P&ID | Please provide comments or sketch if necessary. | | | |
| 31 | Documentation | <input type="checkbox"/> Material Certification EN10204:2004-3.1 | | <input type="checkbox"/> Inspection & testing report | |
| 32 | | <input type="checkbox"/> Others, please specify: | | | |

- Remarks:** *1 Fix volume sampling system is recommended when inlet pressure > 150psig (10.3bar).
 *2 Cylinder configuration sampling system is recommended when vapor pressure > 10psia (0.69bar).
 *3 Cooler is recommended when sample temperature > 140°F (60°C).
 *4 Filter is recommended when particle size >100µm.
 *5 If other accessories (such as: check valve, carbon canister, spring return handle, etc.) are needed, please specify.
 Single choice Optional