



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	☐ Liquid	☐ Gas	☐ Liquefied gas
4		Design pressure	☐ psig	☐ bar	
5		Operating pressure* ¹	☐ psig	☐ bar	
6		Saturated vapor pressure* ²	☐ psig	☐ bar	
7		Design temp.	☐ °C	☐ °F	
8		Operating temp.* ³	☐ °C	☐ °F	
9		Particles* ⁴	☐	Size and Content	_____ μm, _____ %
10	Materials of Construction	Wetted material	☐ 316SS (Std.) ☐ Alloy 400 ☐ Hastelloy C-276 ☐ Others _____		
11		O-ring material	☐ FKM (Viton)(Std.) ☐ FFKM (Kalrez) ☐ EPDM ☐ Others _____		
12		Valve seat material	☐ PTFE (Std.) ☐ PEEK ☐ PCTFE ☐ 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	☐ Bottle ☐ Cylinder		
17	Bottle	Bottle volume	☐ 50 ml ☐ 60 ml ☐ 100 ml ☐ 150 ml ☐ 250 ml ☐ 300 ml ☐ 500 ml ☐ 1000 ml ☐ 2 oz ☐ 4 oz ☐ 8 oz ☐ 16 oz ☐ 32 oz ☐ Others _____		
18		Needle assembly size: process needle ID (mm) x vent needle ID (mm)	☐ 1.4 x 1.4 (Std.) ☐ 2.0 x 1.4 ☐ 2.0 x 2.0 ☐ 3.0 x 1.4 ☐ 3.0 x 3.0 ☐ 4.0 x 1.4 ☐ 6.0 x 1.4		
19		Bottle material	☐ Soda-lime glass (Std.) ☐ Amber glass ☐ Borosilicate glass ☐ Polyethylene ☐ Polypropylene ☐ Others _____		
20		Septum material	☐ PTFE coated silicone(Std.) ☐ EPDM ☐ Silicone rubber ☐ FKM ☐ PTFE coated butyl ☐ Natural rubber ☐ Others _____		
21		Cap material	☐ Polypropylene ☐ PBT (Polybutylene terephthalate) ☐ Aluminium		
22	Cylinder	Cylinder volume	☐ 75 ml ☐ 150 ml ☐ 300 ml ☐ 500 ml ☐ 1000 ml ☐ 2250 ml ☐ Others _____		
23		Cylinder material	☐ 316L (Std.) ☐ 304L ☐ Alloy 400 ☐ Others _____		☐ PTFE coated



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