



Application Information Sheet

Manual Sampling System for Gases or Liquids

Please provide the following information to assist us in the selection of the appropriate sampler for your application. If possible include a sketch of the installation. Return to: _____

Company: _____ Date: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Name: _____ Phone: _____

Fax: _____ E-mail: _____

General Application Parameters:

1. Sample chemical composition: _____

2. If special mixture/composition, please provide the following sample properties (if available) at average temperature:

- Density [lbm/ft³ / kg/m³]: _____
- Specific Heat [BTU/lbm°F / J/kg°C]: _____
- Viscosity [cP / cSt]: _____
- Thermal Conductivity [BTU/hrft°F / W/m°C]: _____

3. Is H₂S present? If so, what is the concentration? _____

4. Design Pressure [PSIG / bar(g)]: _____ 5. Operating Pressure [PSIG / bar(g)]: _____

6. Design Temperature: (°F / °C): _____ 7. Operating Temperature: (°F / °C): _____

8. Sample Vapor pressure [PSIG/bar(g)]: _____

9. Does sample return to process? Yes No

If Yes, what is the estimated return pressure? [PSIG/bar(g)]: _____

If No, is drain or flare available? Drain Flare Other _____

What is the maximum drain/flare pressure? [PSIG / bar(g)]: _____

10. Will sample vent to flare? Yes No

11. Is sample compatible with Viton[®] Seals? Yes No

If No, what seals have proven satisfactory? _____

Sampler construction:

12. Can 316 SS be used in sample-wetted contact? Yes No

If No, what sample-wetted materials of construction are acceptable? _____

Are Sulfinert[®] or Silcosteel[®] coatings (Restek Corporation) acceptable? Yes No

13. Sample collection container: Cylinder Bottle Other _____

14. Sample volume desired: _____

15. Is NACE required? Yes No If Yes, which standard? MR0175/ISO 15156-1 MR0103

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Installation:

- 16. Location: Inside Outside
 - 17. Heat required? Yes No
 - 18. Enclosure required? Yes No Insulated Non-insulated
 - 19. Does sample need to be cooled? Yes No
 - 20. Cooling media available? _____ Operating Temperature: (°F / °C): _____
 - 21. Pipe stand required? Yes No Galvanized Carbon Steel 304 SS
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If Gas Application skip to Section 2

Section 1

Liquids

- 22. Viscosity [cP / cSt]: _____ At operating temp. & _____ At ambient temp.
 - 23. Does liquid freeze above ambient temp.?: Yes No If Yes, at what temp. (°F / °C):? _____
 - 24. Composition of solids: _____ 25. Percent solids (%): _____
 - 26. Particle size: _____ 27. Solids abrasive? Yes No
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Section 2

Gases

- 28. Are Particulates in gas sample stream? Yes No If Yes, what size?: _____
- 29. Any Condensables in gas sample stream? Yes No If Yes, at what temp. (°F / °C):? _____
- 30. Is Gas toxic and/or corrosive? Yes No

Notes:
