

# NAO Biogas QUESTIONNAIRE

Client: \_\_\_\_\_ Date: \_\_\_\_\_

Contact: \_\_\_\_\_ Telephone: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_ Fax: \_\_\_\_\_

Attach drawings, pictures  
& specs as needed.

1. **Describe requirement or application**  
(If existing unit - describe problem.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
2. **Gas and/or vapor analysis - % by volume** (NAO requires a gas composition to ensure that the proper arrester, burner, flare, or rental oxidizer is designed for, and that the proper unit is selected. Air in the stream is very important in the design.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. **Moisture or water vapor %** (NAO needs for design of dewatering or disentrainment drum)  
\_\_\_\_\_  
\_\_\_\_\_
  
4. **Maximum rate of flow - by volume** (The maximum flow rate is used to calculate pressure drop through the unit.)  
\_\_\_\_\_  
\_\_\_\_\_
  
5. **Maximum pressure** (The maximum pressure is used to determine if the unit will operate safely at pressure, as well as determine the rating of the connection.)  
\_\_\_\_\_  
\_\_\_\_\_
  
6. **Maximum inlet gas/vapor temperature**  
(The maximum temperature is used to calculate pressure drop, and to ensure that the metallurgy is correct.)  
\_\_\_\_\_  
\_\_\_\_\_
  
7. **Minimum inlet gas/vapor temperature**  
(This is needed to ensure that forged steel flanges, piping & fittings are acceptable, if applicable.)  
\_\_\_\_\_  
\_\_\_\_\_

**Attach drawings, pictures  
& specs as needed.**

8. **Operating temperature** (The operating temperature is also used for pressure drop calculations.) \_\_\_\_\_  
\_\_\_\_\_

9. **Operating pressure** (The operating pressure is needed to design the unit and its connections.) \_\_\_\_\_  
\_\_\_\_\_

10. **Acceptable pressure drop** (The allowable pressure drop is required for pressure drop calculation.) \_\_\_\_\_  
\_\_\_\_\_

11. **Plot drawing or sketch** (NAO needs for design of unit layout & general check of location.) \_\_\_\_\_

12. **Digital pictures of existing unit** (NAO will review to understand & check equipment for problems & possible upgrades.) \_\_\_\_\_

**Email --- sales@nao.com -or- Fax --- 1-215-743-3020**