

## Stationary Milk Reception Systems

- 01) How many compartments are available on the milk collecting truck  
 1-2     2-3     3-4
- 02) Are the compartments discharged  one after the other  
 simultaneously
- 03) Content of each milk compartment: approx. \_\_\_\_\_ litres
- 04) Tanker outlet: DN \_\_\_\_\_ Hose: DN \_\_\_\_\_ Length: \_\_\_\_\_ m
- 05) Are the tanker outlets equipped with vortex breakers ?  yes     no
- 06) Intake quantity (litres/hour) \_\_\_\_\_  
Operating pressure: \_\_\_\_\_ bar max.
- 07) Capacity during cleaning (litres /hour) \_\_\_\_\_  
Operating pressure: \_\_\_\_\_ bar max.
- 08) Smallest intake quantity  500 Litres     1.000 Litres
- 09) **Can the milk flow by gravity from the tanker outlet into the air eliminator ?  
Air eliminator inlet is 550 mm minimum, this means truck outlet must be at  
minimum 650 mm from floor level (please refer to drawing A06502)**  
 yes     no **( if no, please answer question 10 or 11)**  
Tanker outlet from floor level: (    ) mm

Optimum would be: reception system for installation in a cellar !

- 10) Can the milk flow by gravity from the tanker outlet into a pump in front of  
the air eliminator (please refer to drawing A99502)  
 yes  no **( if no, please answer question 11)**
- 11) Will the reception system be installed higher than the tanker outlet,  
maybe on a ramp but a pump can be installed close to the truck and milk can  
flow by gravity into this feeding pump ?  
 yes **(only if question 9 + 10 is "no")**  
 It is not possible to install a pump close to the truck and milk can not flow  
by gravity into this feeding pump  
If so, distance from tanker outlet to site of reception system is ( \_\_\_\_\_ ) metres  
Difference from tanker outlet to air eliminator inlet (approx. 750 mm)  
in cm ( \_\_\_\_\_ )
- 12) Installation place of system controller:

- at the reception system if this is not at the unloading bay  
 at the unloading bay, if so, how long is the distance (metres) between unloading bay and reception system ? \_\_\_\_\_m

Additional equipment required ?

- 13) Sampling requested:  no  
 yes
- 14) Sample bottle turntable required:  no  yes (if yes, please advise the required bottle content):  250 ml  500 ml  1000 ml
- 15) Supplier identification :  manually via keyboard  
 automatically via inductive identification system
- 16) Temperature measurement of milk during reception process  no  yes
- 17) Shall it be possible for a supervisor to decide whether the reception process is continued or stopped, if a preset temperature limit has been reached ?  
 no  yes: protected by coded entry  no  yes
- 18) **Communication to Physical Logical Controllers** required ?  
(makes only sense if no data transfer to Personal Computer is required):  
 no  yes  
to **PLC** type:  
 Simatec  Allan Bradley  Rockwell  other \_\_\_\_\_  
\_\_\_\_\_ via  
 Profibus DP, Note: PLC would be the Master, our controller would be the Slave data in "floating point values" (not ASCII !)  
 RS 485 interface Interface protocol type \_\_\_\_\_ or via  
 digital inputs/outputs
- 19) **Data transfer to Personal Computer** (ASCII format only) required  
(makes only sense if no communication to PLC is required):  
 no  yes  
 via USB  after each reception or  daily  
Data to be transferred:  Date  Time  Volume  
 System no.  Temperature  
 supplier number  
 Supervisor code



20) **Printer** from GEA Diessel required (makes sense if no data transfer is required):

- no
- yes, for installation at the unloading bay in a aluminium cast housing
- yes, for installation into an office (how many metres cable between system controller and printer required ? \_\_\_\_ m

For print-out of:

- Date                       Time                       Volume
- System no.                 Temperature
- Supplier number         Supervisor code

21) The milk will be pumped into one storage tank on the same floor as the reception system.  yes no, more tanks in different level required pressure: ( ) bar

22) Pipeline pressure is constantly: .  yes no