



## Pressure Vessels Questionnaire

This document serves as a basis for the design of each pressure device and must be filled in by the operator/customer for quotation!

Customer: \_\_\_\_\_

Machinen No: \_\_\_\_\_

Machine Type: \_\_\_\_\_

**1. Which guidelines shall apply?** (If no guidelines are chosen, these will be determined by Lödige)

- Pressure equipment directive 2014/68/EU
- ASME VIII Div.1
- .....

**2. For which minimum and maximum pressure shall the interior space of the vessel be designed?** (Pressure data not absolute, but on the basis of the atmospheric pressure)

$p_{\min}$  = ..... bar                       $p_{\max}$  = ..... bar

**3. For which minimum and maximum pressure shall the jacket area be designed?** (Pressure data not absolute, but on the basis of the atmospheric pressure)

$p_{\min}$  = ..... bar                       $p_{\max}$  = ..... bar

**4. Maximum expected explosion pressure surge in interior space?**

$p_{\max}$  = ..... bar

**5. For which minimum and maximum temperature shall the vessel be designed?** (This data is automatically for interior and jacket space)

$t_{\min}$  = .....°C

$t_{\max}$  = .....°C

**6. Medium in interior space?**

Fluid group 1  potentially explosive, highly inflammable, easily inflammable, inflammable (if the max. allowed temperature is above the ignition point), very toxic, toxic, fire-supporting

Fluid group 2  all others

**7. Medium in jacket space?**

Fluid group 1  (potentially explosive, highly inflammable, easily inflammable, inflammable (if the max. allowed temperature is above the ignition point), very toxic, toxic, fire-supporting

Fluid group 2  all others

**8. Pressure alternations in the interior space?  $p_{\min}/p_{\max}$  during operation? Number (N) of pressure alternations per day?** (Please attach a detailed behaviour diagram, if possible)

$p_{\min}$  = .....bar

$p_{\max}$  = .....bar

N = .....per day

no variation   
(static operation)

**9. Pressure alternations in the jacket area?  $p_{\min}/p_{\max}$  during operation? Number (N) of pressure alternations per day?** (Please attach a detailed behaviour diagram, if possible)

$p_{\min}$  = .....bar

$p_{\max}$  = .....bar

N = .....per day

no variation   
(static operation)

**10. Temperature alternations during operation in jacket area?  $t_{\min}/t_{\max}$  during operation?** ((This data is automatically for interior and jacket space)

**Number (N) of temperature alternations per day?** (Please attach a detailed behaviour diagram, if possible)

$t_{\min}$  = .....°C

$t_{\max}$  = .....°C

N = .....per day

no variation   
(static operation)

**11. Material for interior section?** .....

**12. Material for jacket section?** .....

Place / Date

Signature / Stamp