

Questionnaire for tank calculation

Fax +49 (0)67 52 14-302

SIMONA AG
 Technical Service Center
 Teichweg 16
 55606 Kirn

Phone
 +49 (0)67 52 14-252 or -587
 Fax
 +49 (0)67 52 14-302

Customer

Street

Postal Code/Town

Phone

Fax

Sections printed in **bold type** are essential for the calculation process. The remaining data is only required for the purpose of submitting a targeted recommendation concerning wall thickness and geometries.

Geometries in mm

L = _____ W = _____ H = _____

∅ = _____ W = _____ H = _____

Desired wall thickness in mm s = _____

Max. filling height in mm FH = _____

Density filling medium in g/cm³ _____

Material _____

Only for rectangular tanks

Reinforcements:

cross-ribbed side walls tension rod

only circumferential reinforcements

Planned supports in mm

B _____ x W _____ x s _____

Bottom of vessel:

bottom rests on absolutely flat base

cross-ribbed vessel with capping pieces

Side walls:

max. number of fields, vertical _____

distance of vertical supports in mm _____

Only for cylindrical tanks

Graduated wall thickness, desired grad. qty.
 (recomm.: max. 2500) _____

Roof:

Conical broach roof Flat roof

Useful life

≤ 1 year ≤ 5 years ≤ 10 years

Service conditions

Max. service temperature (°C)/prop. of time (%)*

_____ / _____

Min. service temperature (°C)/prop. of time (%)*

_____ / _____

* for determination of mean temp. according to Miner

Service conditions

Permanent load at consistent temperature _____

Permanent load at alternating temperature and filling height _____

Alternating load under extreme service conditions _____

In case of damage, potential danger to humans?

Yes No

Welding processes

Heated element butt welding

Extrusion welding

Hot gas rod welding

Chemical load

Medium	Concentration (%)	Share (%)

Comments

If possible, please enclose a sketch or technical drawing.

Date/Signature

Please photocopy or cut out fax reply form.