

## Calculation form for circular tanks

Fax +49 (0) 67 52 14-302  
tsc@simona.de

SIMONA AG  
Technical Service Center  
Teichweg 16  
55606 Kirn

Phone +49 (0) 67 52 14-587  
Fax +49 (0) 67 52 14-302  
tsc@simona.de

**Customer**

Street \_\_\_\_\_

Postal Code/Town \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

E-mail \_\_\_\_\_

**Geometries** (in mm)

$\emptyset =$  \_\_\_\_\_  $H =$  \_\_\_\_\_

Desired wall thickness \_\_\_\_\_  $s =$  \_\_\_\_\_

Graduated wall thickness \_\_\_\_\_ desired grad. qty. \_\_\_\_\_  
(recomm.: max. 2500)

Max. filling height \_\_\_\_\_  $FH =$  \_\_\_\_\_

Density filling medium (in g/cm<sup>3</sup>) \_\_\_\_\_

Material \_\_\_\_\_

**Roof**

Flat roof  Conical broach roof

**Base**

Flat base  Conical base  Sloping base  
 Ring-supported  
 Spoke-supported

**Location of tank**

Earthquake region Place \_\_\_\_\_

Inside  Outside

With catch basin  Without catch basin

**Nozzle**

$\emptyset =$  \_\_\_\_\_ in mm

Cover Qty. \_\_\_\_\_ Location \_\_\_\_\_

Cylinder Qty. \_\_\_\_\_ Location \_\_\_\_\_

**Useful life**

$\leq 0.5$  years   $\leq 5$  years

$\leq 10$  years   $\leq 25$  years

**Operating conditions**

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

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

\* for determination of mean temperature according to Miner

**Load exposure**

- Permanent load at consistent temperature
- Permanent load at alternating temperatures and filling heights
- Alternating load under extreme service conditions

In case of damage, potential danger to humans?

Yes  No

**Welding methods**

- Heated-element butt welding
- Extrusion welding
- Hot gas draw welding

**Chemical load**

Medium	Concentration (%)	Proportion (%)

**Remarks**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If possible, please enclose a sketch or technical drawing.

**Date/Signature**

\_\_\_\_\_