Checklist for choosing a tank/container

CIPAX

By first answering the questions below, it will be easier to find the right tank for your needs. Feel free to contact us for advice even in cases where your area of use seems to be outside the specification and we can investigate a specific solution.

Desired Volume	litres		Available space (mm)	L	W H
Chemical 1					
Concentration	%	Classification in Resistance list	○ S	○ L	○ U
Chemical 2 (when mixing)					
Concentration	%	Classification in Resistance list	○ S	○ L	○ U
Chemical 3 (when mixing)					
Concentration	%	Classification in Resistance list	○ S	○ L	○ U
Density of the content	kg/l				

○ <1,2 kg/l All containers and tanks	○ <1,85 kg/l Cylindical closed containers	○ <1,2, <1,5, 1,85 kg/l Storage tanks, density guidelines indicated for each tank	○ >1,85 kg/l Double-walled tanks or cylindrical with a casing. Get in touch!

Prefered shape	☐ Cylindrical	☐ Rectangular	☐ Cylindrical, conical bottom	☐ Rektangular, conical bottom
Colour	○ Natural/transparent is recommended for best fluid level monitoring		○ Black is recommended if you want to block light/UV and prevent visibility.	
Temperature	○ -30 to 0°C Consider the risk of frost damage	○ 1-40°C Okay	○ 40-60°C Okay but contact us!	
Flammable/hazardous to health	Check permit requirements, labelling requirements and protection for people and facilities. ☐			
Safety bund	Do you need or want a safety bund? Dimension for stored volume + 10%.		Yes ○	No ○
Placement	- Safety for people and property in accordance with chemical storage regulations			
	- Proximity and access during operation for filling/emptying and monitoring.			
	- Minimisation of risk in case of leakage.			
	- Protection against unauthorised access, external influences from temperature/weather, and separating chemicals that are reactive toward each other.			
	- Ease of installation, maintenance, and replacement.			

Pressure
Depressurised systems without over/under pressure.

Vent/inflow
The inflow of liquid or air with the same capacity as the planned outflow.

Floor surface
Place above ground (not in-ground) on a flat and firm surface where the entire bottom is supported and can withstand the weight of a filled tank/container. No sharp edges or sharp objects may come into contact with the tank.

Anchoring
No requirement for anchoring for tanks indoors, only outdoors if there is a risk of wind impact. Check with us for advice regarding design to avoid moving connections.

Workspace
Plan the workspace for ease of access. Ensure that you have crash guards that prevent accidents. Make an action plan if there are potential risks.

Level measurement/monitoring
A natural coloured tank gives visibility and the scale of the tank with an overview of volume. Contact us for advice on more precise monitoring/measurement.

Connections/pipes
Plan factory welded connections and pipes with 'Build Your Tank' or a downloaded drawing from cipax.com. Internal threads or flanged connections are recommended for safety and flexibility. Ensure connections from the tank are not moving but flexible to absorb movement/vibration: rubber hose/compensator.

Responsibility
We provide advice based on more than 50 years of experience as a producer of containers and tanks for professional use. Chemical handling and system responsibility are outside of Cipax's control and responsibility.

Clear form

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