

On-site Manufacturing

Brewery Tanks



Thanks to our experience we can guarantee you that we will carry out your project on schedule and at a reasonable price – the way you expect us to do it.

Top quality – Manufactured on-site

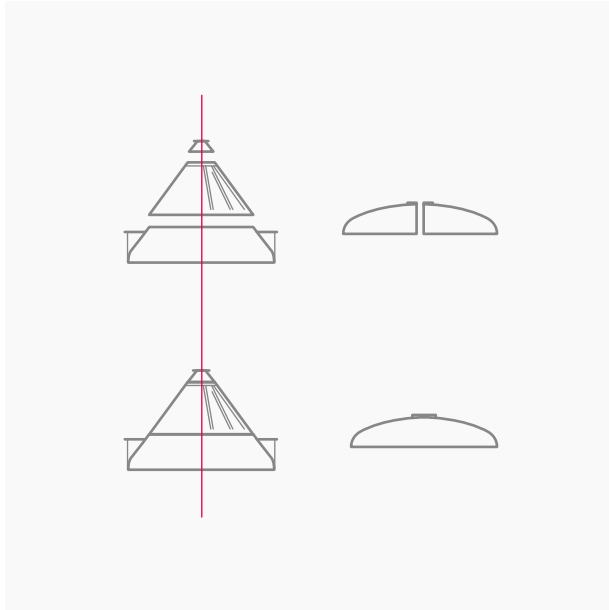
The tanks that we manufacture in one piece at the factory (up to a diameter of 7.5 m and with capacities of approx. 10,000 hl), cannot always be transported in one piece to the site.

Bridges and narrow roads through towns and villages sometimes present obstacles which cannot be overcome, if the diameter of the tank is too big or the tanks are too long.

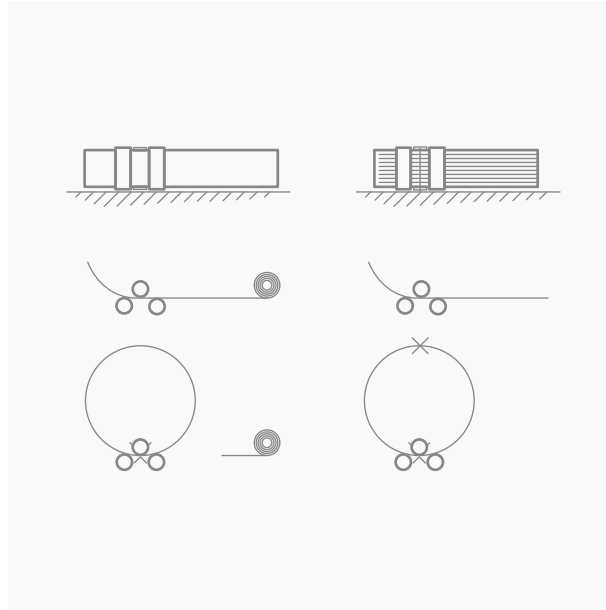
In cases such as these we can manufacture the tanks directly on site at the brewery. If this method is chosen, the individual components are prefabricated at the factory and inspected according to the regional regulations of the country of destination. Afterwards the tanks are shipped to the erection site in parts that can easily be assembled.

The difference between the tanks manufactured on site and the ones manufactured at the factory consists only in the cooling system. The cooling system of one-piece tanks is mostly realized with pipe segments, whereas the tanks manufactured on site are equipped with laser-welded horizontal cooling jackets. These cooling jackets are delivered prefabricated, whereby the work to be done on site is reduced considerably. There is, however, no difference as far as the quality of the individual components and the quality of the tanks we deliver in one piece is concerned – it is absolutely identical.

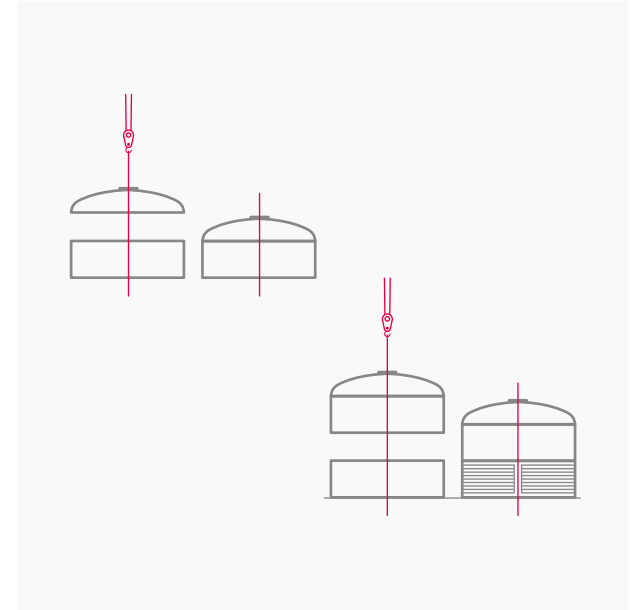




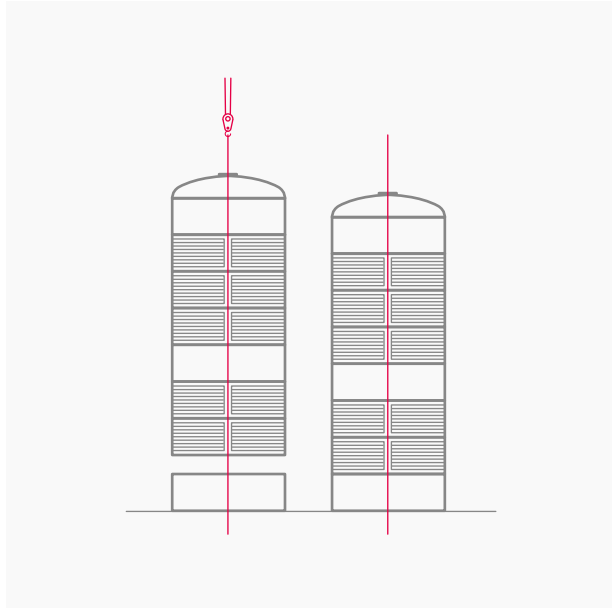
Assembly of bottoms and cones that had been disassembled for transportation.



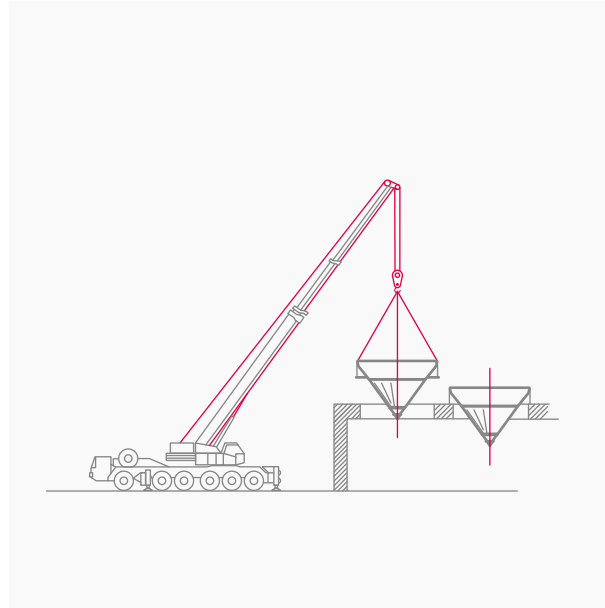
Cylindrical walls without cooling jackets are manufactured directly off the coil; cylindrical walls with cooling jackets are delivered as flat sheets and are shaped on site.



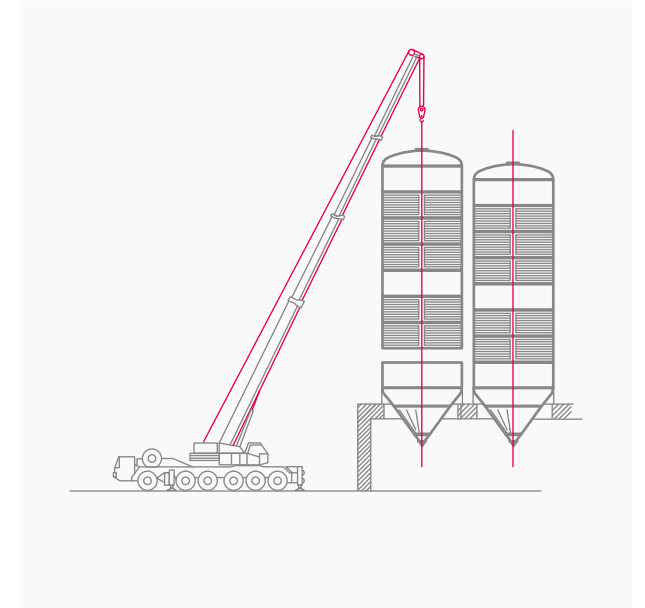
The single wall parts are welded together starting at the top.



Parallel to the assembly of the tank cylinders, the pipework of the tanks and of the cooling cylinders is installed.



The lower parts of the tanks, consisting of cones, skirts and insulating cones are fitted.



The upper parts of the tanks are mounted onto the cones; afterwards the hydraulic pressure test is carried out and the insulation is fitted.

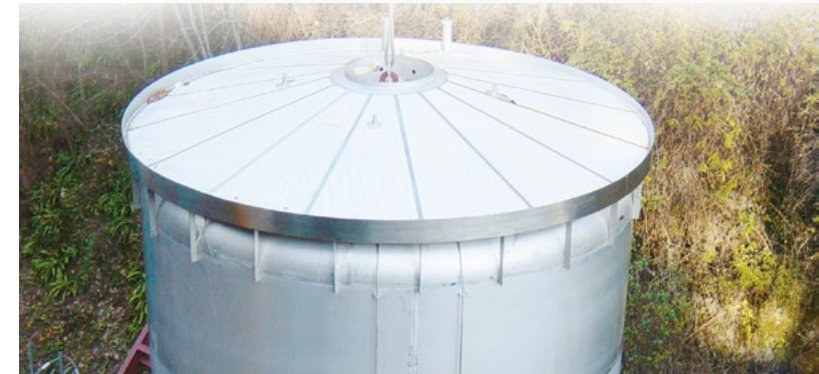
Systems and Machines

On site we use systems and machines that – based on our factory experience – have been especially developed for on-site manufacturing and have been individually made for us.

Normally cranes are used for final assembly of the single components. If on site there is not enough space for cranes, we put up an assembly tower. For sites with extremely little space, we have developed the “Ziemann Holvrieka on-site hydraulic assembly system”. With this system the space required for the assembly of the tanks on site is only a little more than the base area of the tanks. For the assembly work on site we have experienced supervisors, who, in most cases, perform the work together with local skilled labour and assistants.

The assembly team works completely independently and only needs access to power and water supply. The weather and the climate are of almost no importance to us – we have been building tanks all over the world for many years.

Thanks to our experience we can guarantee you that we will carry out your project on schedule and at a reasonable price – the way you expect us to do it. The diagrams on these pages show the typical flow of an on-site manufacturing process of cylindro-conical Ziemann Holvrieka tanks. The complementary pictures show the different working steps.





Thank you for your time.

For all enquiries, please contact one of our sales team at a Ziemann Holvrieka office near you.

Scan the QR code or visit www.ziemann-holvrieka.com

