

Annular tube boiler for bottling plants: 150th Delivery

The manufacture of longitudinally welded stainless steel pipes forms the basis of our BUTTING products. However, the joint development of technically demanding and high-quality products counts among our range of services.

Together with our customer Krones, we have brought an annular tube boiler for bottling plants into mass production. Recently – and not without some pride – we were able to deliver the 150th annular tube to the group.



As early as 2004, collaboration began with Krones AG, which designs, develops and produces machines and plant for bottling and packaging technology at its main site in Neutraubling, Bavaria.

In place of the cast iron boiler used to date, the prototype of an annular tube boiler was developed by Krones and BUTTING as the central container for the collection and subsequent direct bottling of foods. The container body is completely flange-free, so that maintenance work to change seals etc. is no longer necessary. Besides the reduced maintenance requirements, a further advantage lies in the rapid and simple cleaning of the tube geometry.

BUTTING manufactures and supplies the complete system element for Krones: From pipe manufacture and shaping through welding and mechanical finishing to surface treatment as well as testing and acceptance activities, all work steps are carried out at our production site in Knesebeck. The range of sizes of the available rings here ranges from 1,800 mm to 5,400 mm in diameter.

Basically, we comply with the strictest tolerances throughout the entire production process. As the ring construction serves the acceptance and conveyance of foods, the standards for the medium-contacting interior surfaces of the containers are high. Following the production of the raw ring, it is mechanically finished and is given an average of 200 branch holes. The bottling outlets are then welded on – the highest degree of welding expertise is required here.

Finally, the annular vessels undergo a pressure test, followed by dull bath pickling for the purpose of passivation and glass bead blasting of the external surfaces.

Recently, we were able to send the 150th edition of this innovative product on its way to southern Germany, accompanied by a small celebration.

We are naturally looking forward to producing many more annular tube boilers to the satisfaction of our customer.

BUTTING – Progress by Tradition