

# GERRESHEIMER

## GERRESHEIMER INCLUDES STEVANATO GROUP INTEGRATED TWIST-OFF CLOSURE SYSTEM FOR GX RTF SYRINGES

In this article, Maximilian Vogl, Head of Product Management at Gerresheimer Regensburg, reveals the latest user-friendly addition to its Gx RTF Luer lock syringes using Stevanato Group's integrated twist-off closure technology.

Gerresheimer is to offer its Gx RTF (ready-to-fill) syringes with the SG ITC (integrated tip cap) twist-off closure from the Stevanato Group.

With this technology, which is often asked for on the market, Gerresheimer is adding an especially

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user-friendly system solution for Luer lock syringes to its programme.



Figure 1: The twist-off closure system responds to the containment needs of different drugs.



Figure 2: Gerresheimer will begin by offering 1.0 mL long and 1.0 mL short Luer lock syringes with the integrated twist-off closure.



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The integrated seal cap consists of two components – an elastomeric component, which is available in different formulations, and a rigid, translucent polymer cap. The elastomer component is inserted into the plastic cap, screwed together with a Luer lock adapter, and pre-assembled on the syringe. Compared with traditional Luer cone systems, this solution offers a syringe closure with increased stability, thus protecting the drug product.

The twist-off closure system (Figure 1) responds to the containment needs of different drugs: vaccines, hyaluronic acid, biotech drugs and other viscous formulations. It has been developed and produced according to the ISO 11040-7 standard and fits perfectly on Gx RTF syringes. Gerresheimer will offer 1.0 mL long and 1.0 mL short Luer lock syringes with the integrated twist-off closure as a first step (Figure 2), with additional formats to follow.



**INCREASED SAFETY AND USER FRIENDLINESS**

The seal cap is securely screwed onto the Gerresheimer Luer lock syringe, so that accidental removal of the cap is prevented (Figure 3). The familiar twist-off function offers medical specialists improved user friendliness without impairing the integrity of the prefillable syringes. The structured surface simplifies the removal of the cap.

The system components of Gerresheimer syringes are primarily aimed at user friendliness and safety – and the company says the new SG ITC twist-off closure suits these aims outstandingly. Gerresheimer already delivers syringes equipped with the seal cap, which can be processed on existing filling lines, under the name Gx TWILC (twistable integrated Luer lock closure).

**Figure 3: The seal cap is securely screwed onto the Gerresheimer Luer lock syringe, so that accidental removal of the cap is prevented.**

The 100-hole nests are packaged in a tub and sterilised with ethylene oxide gas (EtO).

**ABOUT THE COMPANY**

Gerresheimer is a major supplier of speciality glass and plastic products to the healthcare sector, in particular pharma, with a strong presence in parenteral delivery devices. Its product range includes insulin pens, inhalers, micropumps, prefillable syringes, injection vials, ampules, bottles and containers for liquid and solid medications with seal and safety systems, as well as packaging for the pharmaceutical and cosmetics industries. It has around 10,000 employees worldwide, with operations in Europe, Asia and North and South America.

**ABOUT THE AUTHOR**

Maximilian Vogl studied engineering, patent management and innovation management at the University of Applied Sciences Amberg-Weiden (Germany). Ten years ago he started his career at Gerresheimer. Today he is part of the business development team of Gerresheimer Medical Systems. In his role as Head of Product Management, Mr Vogl focuses on market analysis and new product developments in the field of primary packaging and injection devices for drug delivery.

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