SCHOTT TopPac® Rigid Cap – Improved stability and ease of use

SCHOTT TopPac® Rigid Cap (TRC) is a new Luer Lock closure system from SCHOTT for the SCHOTT TopPac® prefillable polymer syringe (PFS) portfolio which combines superior container closure integrity with an easy, safe and intuitive way to use.

Market fit

The market requires prefilled syringes that are adapted to the needs of both patients and healthcare professionals.

SCHOTT TopPac® syringes assembled with TRC have a screwed tip cap with an ergonomic design that results in an intuitive opening mechanism. The TopPac® Rigid Cap ensures container closure integrity during processing, handling and shelf life. In addition, the integrated, stable Luer Lock Adapter (LLA) enables the end user to easily and securely connect reconstitution devices prior to drug administration and allows for a combination of needle sizes/lengths to suit the patient’s individual requirements.

Our solution:

SCHOTT TopPac® Rigid Cap

The TRC design consists of:

- Rubber tip cap
- Polymer rigid cap with a threaded tip

TRC is compatible with all SCHOTT TopPac® prefillable syringe formats ranging from 1 to 50 ml as syringe tips and threads are standardized for the entire portfolio. TRC is only available with TopPac® PFS.
Benefits of SCHOTT TopPac® PFS with TRC

Stable Container Closure Integrity
Screwed tip cap to reduce the risk of integrity loss during processing, handling and shelf life.

Drug Compatibility
Tip cap is made of well-established rubber formulation FM 257 to reduce need of stability testing.

Easy-to-Open
Intuitive twist-off cap on LLA makes it easy for the end user to handle it and reduces the risk of tip contamination while opening.

Easy to Connect
LLA enables secure and easy connection of accessories (e.g. vial adapters or hypodermic and safety needles).

Steam Sterilization
TRC is suitable for terminal steam sterilization.

Fast Time-to-Market
The design of TRC matches a closure system the pharma industry is already familiar with.

Broad Product Portfolio
Portfolio for SCHOTT TopPac® PFS with TRC includes formats from 1 ml to 50 ml.

General advantages of SCHOTT TopPac® PFS
- Break-resistant and lightweight
- Glass-like transparency
- Integrated Luer Lock
- Consistent gliding force
- Ready for filling – no changes in filling or post filling operations
- Compatible with needleless IV connectors
- Clean with low particle level

SCHOTT TopPac® PFS with TRC are delivered in standard nests and can be filled on standard filling lines.