SCHOTT
glass made of ideas

syriQ BioPure®

Glass Prefillable Syringe for Sensitive Drugs

syriQ BioPure®. Part of iQ™.
The Global RTU Standard.

syriQ BioPure®
A new glass syringe portfolio for sensitive drugs

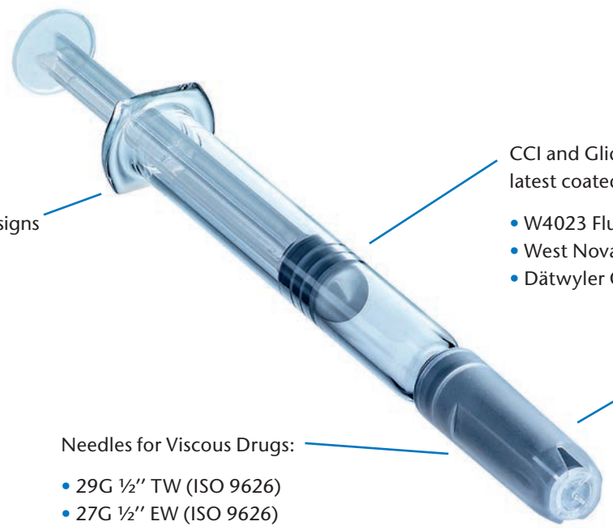
syriQ BioPure® from SCHOTT is a highly customizable glass prefillable staked-needle syringe (PFS) specifically designed to ensure drug stability and safe administration of sensitive drugs such as complex biologicals. A Quality by Design approach, benchmark manufacturing and quality control processes using breakthrough inspection technology combined with best-in-class components makes it a reliable PFS solution.

Market fit

Biotech drugs such as complex biologicals may interact with the container system. Interactions cannot be predicted and can lead to unintended aggregation or deterioration of the drug which can eventually compromise the total cost of ownership, the shelf life of the drug and treatment efficiency.

syriQ BioPure® combines features to minimize the risk of drug interaction throughout the drug product shelf life, optimize patient comfort and speed up the registration process for a fast Time-to-Market.

Our solution: syriQ BioPure® 1ml long



Various Flange Designs
- Round
- Cut
- Small Round

CCI and Gliding verified with latest coated plunger stoppers
- W4023 Flurotec
- West NovaPure
- Dätwyler OmniFlex

Various Closure Systems (RNS)
- Aptar pharma 4800
- Aptar pharma 4900
- West 7025
- West 7028

Needles for Viscous Drugs:
- 29G ½'' TW (ISO 9626)
- 27G ½'' EW (ISO 9626)

Benefits of syriQ BioPure®

Improved Drug Stability
- Ultra low tungsten residuals (ICP-MS certificate available)
- Reduced silicone levels
- Low adhesive residuals
- Low E&L from latest high quality elastomer formulations

Superior Functionality
- Verified compatibility with safety devices & autoinjectors
- Robust injection duration due to consistent and uniform silicone layer
- Better flow of viscous drugs through extra-thin needle walls
- Optimal needle shield removal forces

Lower Total Cost of Ownership
- Decreased amount of waste during filling operations and automatic inspection due to tight dimensions and high cosmetic quality
- Glass with high mechanical strength
- Low amount of particles (e.g. glass particles)

Registration Support
- «DHF Ready» (acc. to FDA 21CFR Part 820) to support the combination product requirements
- Standard and regulation compliance statements
- Manufacturing process validated and documented in the US FDA regulatories

syriQ BioPure® is delivered in standard nests and can be filled on standard filling lines.

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