

Instant Sealing for Lyophilized Drugs

Increased demand for a vial closed instantly in an aseptic area after critical processes has led pharmaceutical manufacturers to evaluate new capping concepts, in particular non-metal seals. Seals constructed of medical-grade polypropylene can help to mitigate challenges associated with the lyophilization process, including drug product loss due to stoppers sticking to the lyo shelves, loss of vacuum within the vial and process-generated glass breakage.



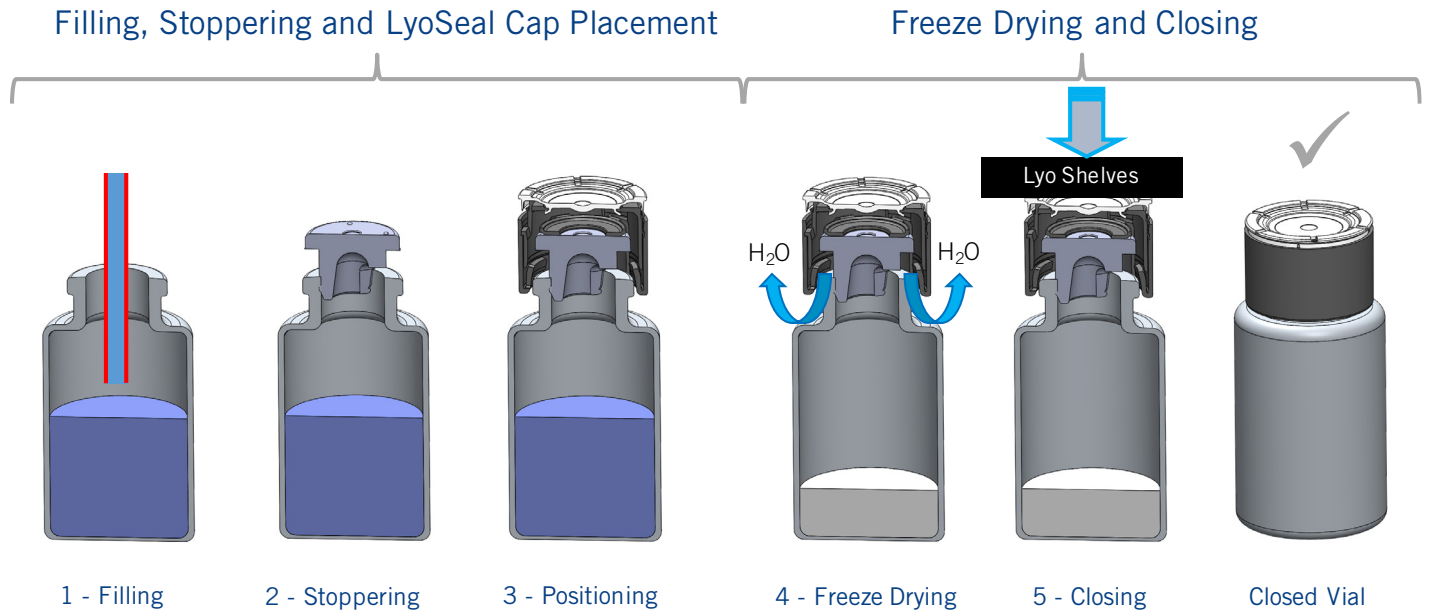
LyoSeal™

Introducing LyoSeal Caps* – An instant sealing solution for lyophilized drug products, from West

Designed for ISO vials 20R and larger with a 20mm crown finish

Recommended for use with 2 West lyo stoppers:

- S-87-I 4432/50 Gray
- ART 1319 4023/50 Gray



Preserves and protects lyophilized drug products

- Safeguards vacuum and headspace content through immediate vial closure in the chamber
- Secures stopper position in the vial after exit from the chamber to eliminate raised or pop-up stoppers
- Buffers between the stopper and chamber shelves to prevent stoppers sticking to the shelf
- Reduces the risk of glass breakage within the lyo chamber due to the spring force design



Capping simplifies vial closure

- Eliminates subsequent sealing unit operations
- Enables vial closure in the aseptic area due to its material of medical grade polypropylene
- Ensures simple pressure on the cap will close the vial, which is suitable for manual crimping for early phases of drug R&D

* LyoSeal Cap demonstration samples are now available for in-house non-clinical technical testing.