

## Fillchoice® room: A compounding pharmacy within a bag

Fillchoice® room is the first medical device that provides a compounding pharmacy incorporated in a bag, and it was shortlisted as "best innovation" for the Packaging Category of the CPhI Pharma Awards in 2014.

It is a new concept of compounding pharmacy: you can manipulate and reconstitute the drug directly in the bag, with no need for dedicated clean rooms. This device replaces the standard practice of drug manipulation in hospital pharmacies under a laminar flow hood: the drug can be manipulated and reconstituted in a completely closed system, next to the patients' bed, and directly administered.

Fillchoice® room widely fits in the use of compounding pharmacy, drug reconstitution, and delivery systems and therefore will find utility in many pharmaceutical companies, hospitals, and clinics. It is suitable for any drug (liquid, gel, or powder) in glass or plastic vial that needs to be compounded or reconstituted.

Unlike other reconstitution systems, it doesn't provide only a closed system: it guarantees 100% isolation to the drug preparation system, as it works like a sterile "clean room." Therefore it is safe for the manipulation of dangerous drugs, such as antitumoral drugs. It eliminates the risks of caregivers' exposure to dangerous drugs, such as toxicity, carcinogenicity, and infertility. During the preparation and administration of the drug to the patient, it eliminates the risk of sometimes lethal medication errors.

Fillchoice® room is very flexible: it can be customized in terms of drug type, solvent, volume, and vial size. Volume of the solvent and varying bag materials are available. The new version Fillchoice® room dose is now available. Thanks to a special dosing system, it allows the dosed reconstitution of drugs, in accordance with the doctor prescription.

## Daikyo Crystal Zenith® cyclic olefin polymer as glass alternative

As more biologics and biosimilars enter the global pharmaceutical market, they can present unique packaging and containment challenges. Many biotech drugs are sensitive injectable drug products that can interact with containers and packaging components made from glass, potentially leading to delamination, particulates, or protein aggregation. Additionally, some biopharmaceuticals have a high pH; others require storage at extremely cold temperatures. When faced with these or similar challenges, many pharmaceutical manufac-

turers are considering alternative containment.

West Pharmaceutical Services is at the forefront of new materials development for containment, such as Daikyo Crystal Zenith cyclic olefin polymer, which offers a high barrier to glass. The design flexibility of Crystal Zenith offers significant advantages over a range of containment systems, including cartridges and pre-filled syringes.



## Size matters

**PEDIATRIC DOSAGE FORMS MUST BE RIGHT-SIZED.** Microtablets, stickpacks, granules for suspension, oral solutions/suspensions – tailored to meet small patient populations. Like your pediatric product, your contract manufacturer should be right-sized too. Large enough to offer world-class scientific expertise, state-of-the-art facilities/equipment, and global regulatory approvals, yet small enough to be flexible and responsive.

Halo Pharma has a proven track record for developing and delivering pediatric products, from clinical through commercialization.

For pediatric dosage forms that aren't hard to swallow, get right-sized attention from Halo Pharma.

[halopharma.com/pediatric](http://halopharma.com/pediatric)

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