

Closed drug transfer

From vial to patient

The PhaSeal® concept

The PhaSeal® closed drug transfer concept builds on a unique solution. The system uses a double membrane to create a leakproof connection. In addition, the closed expansion chamber makes the system airtight consequently containing all aerosols, particles and vapours. The expansion chamber also equalizes the pressure within the system.

Although the system uses few components and only one connection interface, PhaSeal can handle most types of IV sets and syringes to enable a totally safe and convenient administration of drugs.



The Injector™

The Injector Luer Lock with its proven dry connection ensures a safe transfer of the drug.



The Protector™

The Protector is permanently attached to the vial and used for closed preparation of drugs.



The Connector™

The Connector port creates a leakproof seal throughout the entire drug transfer procedure.



Connection made easy

The same safe, dependable Injector you have come to trust from PhaSeal now features a new ergonomic design. A simple motion, secure grip and easy access connection makes it quick and easy to use. Just **push – turn – push**, and you have a safe, leakproof connection.



Push

Push the luer locked Injector into the connection interface.



Turn

Hold onto the grip and turn.

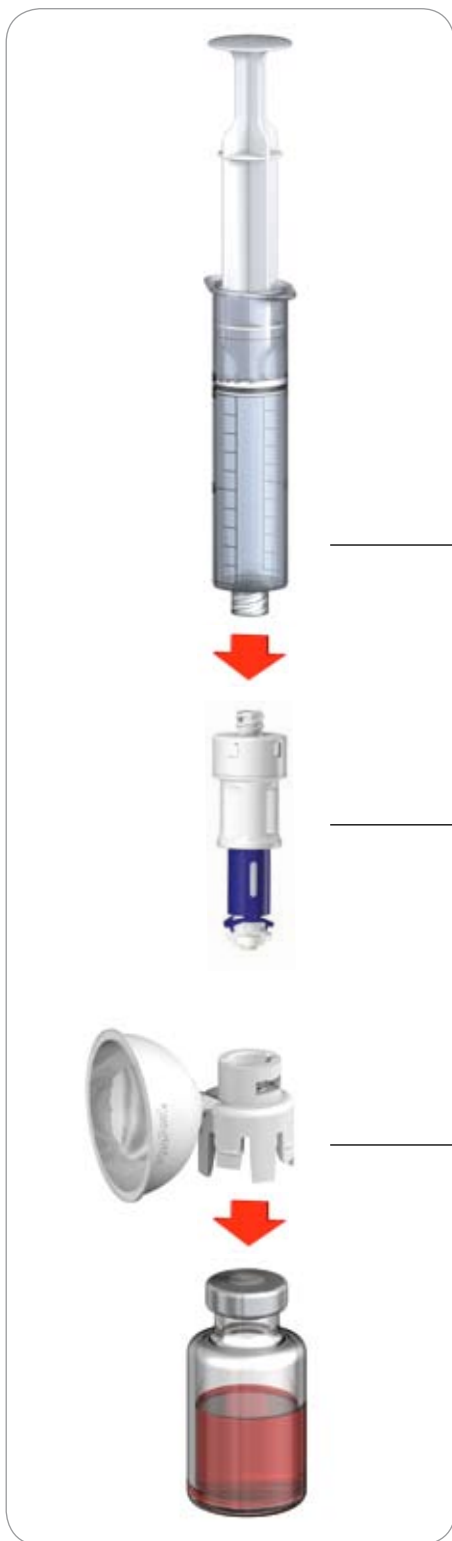


Push

Push down to engage.

When disconnecting, do the reversed: **pull – turn – pull**.

Preparing drug from vial...



Equipment required and set up procedure

- Syringe
- Injector
- Protector
Size dependent on the drug dose and neck size.
- Drug vial

Draw a volume of air equivalent to the dose or required volume of diluent into the syringe.

Luer lock the Injector onto the syringe.

Attach the Protector onto the vial.

Note: Follow local aseptic procedure and guidelines for safe handling of hazardous drugs.

...to syringe



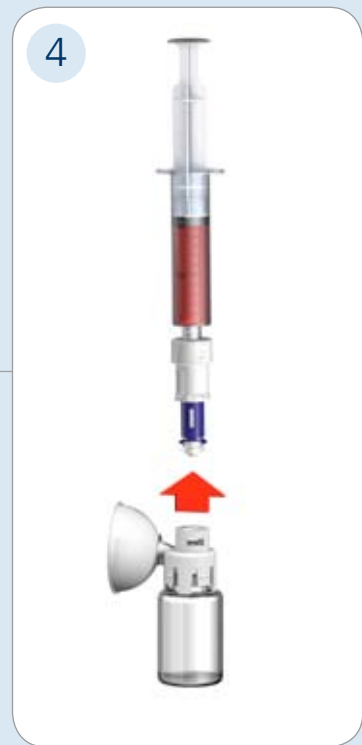
1. Connect.
Push – turn – push.



2. Keeping the vial upright, push the diluent or air into the vial.



3. Turn the system upside down and aspirate drug.



4. Disconnect.
Pull – turn – pull.

...to IV-bag



1. Connect.



2. Push drug into bag.



3. Disconnect.





...to patient



1a. Drug from syringe...



1b...or from IV-bag...



2. ...to the patient through a Connector.

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