



Gri-fill®4

Semi-automatic Compounding Device



Gri-fill® 4 Key Features:

Gri-fill 4 is a semi-automatic compounding system for batch and patient-specific production of non-hazardous and hazardous compounded sterile preparations.

Software

Integral, web-based software

- Facilitates optimal management of preparation orders
- Enables real-time tracking of compounded preparations
- Allows flexible settings via configurable operation parameters
- Provides reports of preparations data
- Delivers full audit trail of user changes, integrations with other systems, and preparation process

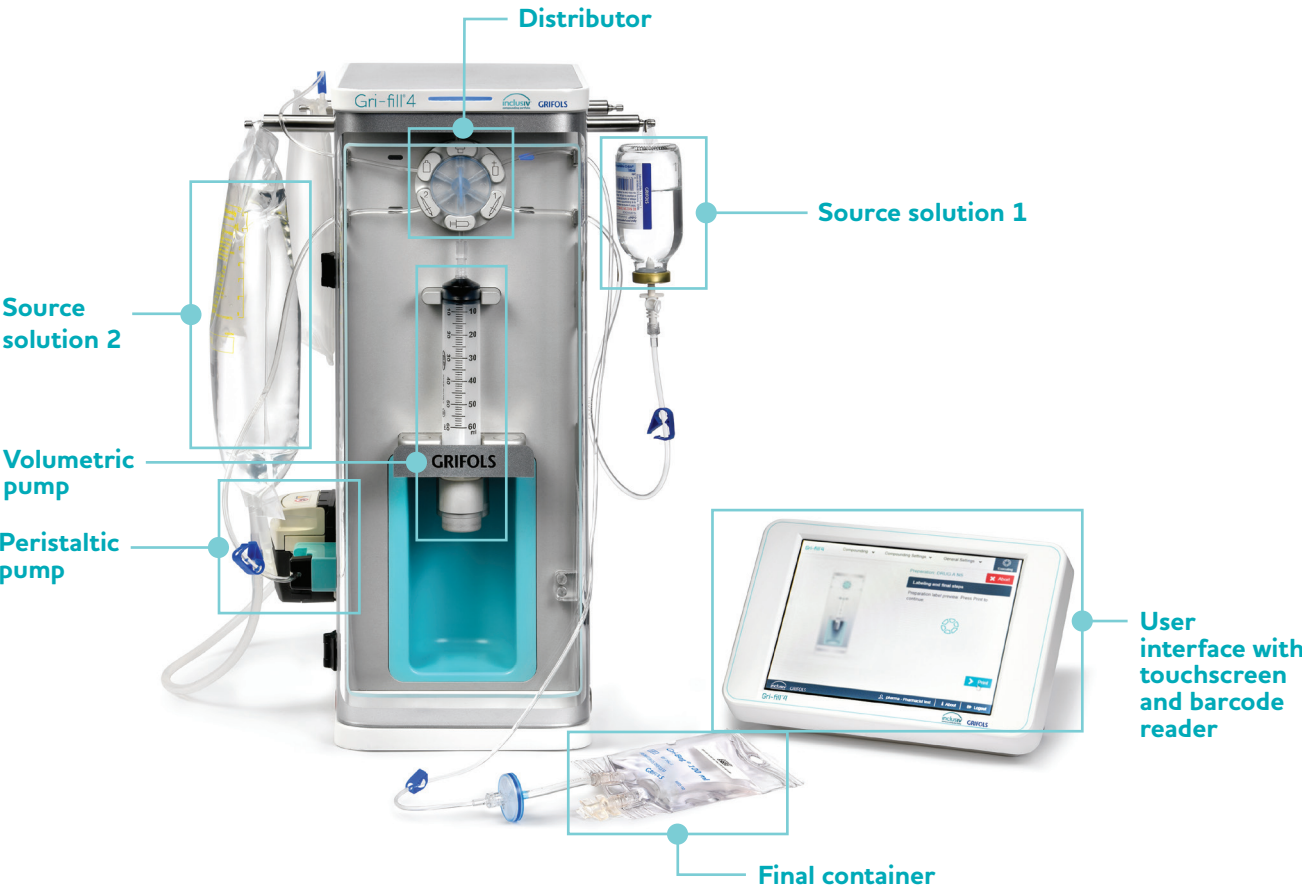
Two working modes

- Stand-alone mode
- Centralized mode with up to five Gri-fill devices connected with the same database

Connectivity

- Receive preparations and patient information from electronic medical record (EMR) interface
- Remote access to the Gri-fill from the pharmacist's computer
- User authentication centralized consistent with hospital Lightweight Directory Access Protocol (LDAP)

Advance patient safety and mitigate repetitive stress injuries with precision and sterility assurance



Solutions Designed to Keep Your Patients Safe

Your most important responsibility is patient safety, but you are also challenged with controlling costs, protecting staff, and maximizing workflow efficiencies while ensuring regulatory compliance of your sterile compounding environment.

As a strategic part of **inclusiv**, a comprehensive IV compounding portfolio of integrated technology, software and service solutions designed to enhance patient safety, **Gri-fill** can help protect patients and staff.

Gri-fill 4 enhances patient safety and helps optimize efficiencies. The uniquely designed, semi-automated system for compounding a variety of intravenous mixtures, including chemotherapy doses, Gri-fill is compact, easy to install and readily adaptable to your IV compounding operation.



Gri-fill® 4 Key Benefits:

Patient Safety

- Highly precise dosing via volumetric and/or peristaltic pump for automated filling
- Reduced risks of contamination and human error
- In-process checks and validation
- Drug and final container identification by barcode reading

Compliance | Record Keeping

- Lot traceability and expiration control
- Full audit trail of preparation process and changes performed by the user
- Reporting of preparations and wasted volumes

User Safety | Ease of Use

- Mitigation of repetitive stress and needle-stick injuries
- Compatibility with closed system drug transfer devices
- Simple connection to sets and containers
- Intuitive operation and cleaning procedures

Efficient | Flexible

- Doses from one or two source solutions, reconstitutes the vial, withdraws it from final container in same cycle
- Fits easily inside a standard laminar airflow hood or biosafety cabinet
- Adaptable to different source solution containers (vials, bags, bottles) and to different final containers: Gri-Bag®, bags, syringes, elastomeric pumps, cassettes, etc.
- Ability to print custom ID labels (patient-specific and batches)



Consumables

Gri-fill® 2 Ways Set

For filling with volumetric pump [mandatory]



Gri-fill® Peristaltic Set

For filling with peristaltic pump [optional]



Gri-Bag®

The Gri-fill system, when used in conjunction with Gri-Bag, passes each drug dose through a 0.2 µm filter incorporated in the bag and performs an integrity test on each unit after dosing. Thus, Gri-fill helps maintain sterility throughout the compounding process.

- Unique barcode verifies that each bag is only used once
- Available sizes: 100, 250, 500, and 1000 mL.



Gri-fill® 6 to 1 Set

Connect up to six liquid vials of the same concentration

- Create a single virtual pooled container
- Use for reconstitution and dosing up to six vials [optional]



Technical Information

- **Weight:** 26.45 lb [12 kg]
- **Dimensions (w x d x h):** 7.7" [196 mm] x 11.6" [296 mm] x 19.8" [505 mm]
- **Dosage volume:** range from 2 mL to 3000 mL

Accuracy specifications:

≥2 mL	to <10 mL	<±0.2 mL
≥10 mL	to <25 mL	<±0.5 mL
≥25 mL	to <3000 mL	<±2%

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ABOUT THE PORTFOLIO

inclusiv is a comprehensive IV compounding portfolio of integrated technology, software, and service solutions designed to support your needs for sterile compounding from the design and building of your sterile compounding environment, to the preparation and verification of your products, through the ongoing management and optimization of your pharmacy operation.

GRIFOLS

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