



i.v.TOOLS

Gri-fill® 3.0

Semi-Automated Compounder

**Safety and Efficiency for
Compounded Sterile Products**



GRIFOLS

The correct preparation and administration of compounded sterile preparations [CSPs] is a complex process that must be conducted by highly skilled professionals in a specialized environment.

Grifols is a global healthcare company with more than 75 years of experience and a record of maintaining the highest quality and safety standards in all of its manufacturing processes. Grifols is therefore uniquely qualified to help make compounding safer.

Grifols' i.v.TOOLS is the set of products, technologies, processes, management tools, and related services designed to enhance quality, safety, and efficiency in compounding.

i.v.TOOLS products are designed to improve institutional compliance with guidelines and regulations. In addition, we provide customized services and consultation on all aspects of compounding, including environmental design and monitoring, operational analysis and workflow, process implementation, and regulatory compliance.

Grifols' high standards of quality and excellent service make a decisive contribution to minimizing the risks associated with sterile compounding.



The Gri-fill® 3.0 semi-automated compounder prepares sterile products with accuracy and precision.

The system is specifically engineered to meet USP guidelines.

Gri-fill is compact in size, simple to install, and adapts easily to compounding workflows.



Safety & Quality

Patient Safety

- Precise dosing with volumetric pump
- Reduced risk of microbial contamination
- Sterility assurance*
- Traceability of compounded doses
- In-process checks and validation

User-Safety

- Repetitive strain injury avoided
- Reduced risk of occupational exposure
- Needle-free

Efficient and Easy to Use

- Automatic filling system
- Simple connection of sets and containers
- Intuitive software
- Easy to clean

Flexibility

- Drug reconstitution with diluent of choice
- Adaptable to different source and final containers [vials, bags, bottles, syringes, cassettes, elastomeric pumps]
- Dosage-volume range from 2 mL to 3000 mL
- Ability to print custom ID labels

* When used with Gri-Bag® and filter-integrity test.



Gri-Bag®

Gri-Bag containers are sterile, disposable nonpyrogenic bags for preparation and administration of parenteral solutions.

When the Gri-fill® system is used in conjunction with the Gri-Bag, 100% of every dose passes through the 0.2µm sterilization filter incorporated in the bag. This process maintains sterility within the closed system, which is confirmed by a documented integrity test.

- Available sizes: 100, 250, 500 and 1000 mL
BAGS CONTAIN PVC

- Sealer for Gri-Bag



Gri-fill® Sets

- Provide a closed and needle-free system
- Prevent risk of cross contamination: the system prompts user to change sets when switching between components
- Safe disposal: hermetic clamps and caps
- Sealed waste container with leak-resistant design

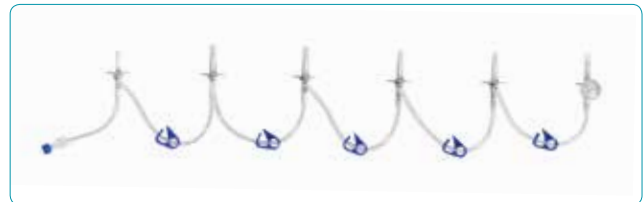


Optional sets

FleboSet® Multiple/Set Gri-fill® 6 to 1: Connects up to 6 vials of the same drug and concentration to create a single pooled container

Set Gri-fill® 3.0 Multiple: Reconstitutes and doses up to 6 vials for uninterrupted compounding

Quickpin: Mini spike uniquely designed to reduce coring, and optimize speed and volume of fluid withdrawal or addition



MixManager

Optimize the use of the Gri-fill® compounder.

MixManager software organizes your workflow and simplifies order entry to maximize efficiency.

- Windows-based
- Easy to use
- Links up to 4 Gri-fill units
- Maintains accurate patient and drug database
- Provides data repository for compounded doses
- Customized label designs
- Templates to generate both batch and patient specific doses

The screenshot displays the MixManager software interface for a Batch Order Entry. The title bar includes 'mixmanager', 'Gri-fill® System', and 'GRIFOLS'. The main window title is 'Batch Order Entry - View Mode'. The form contains the following fields and values:

- Drug Template:** CYCLO (Cyclophosphamide Gr-bag 100 mL)
- Final Container:** GRI-BAG (Gr-bag)
- Set Type:** 2 way
- Drug 1:** CYCLOPHOSPH (Conc.: 5.0 mg/ml) Dose: 100 mg
- Drug 2:** NORMAL SALINE
- Infusion Rate:** (empty) ml/h
- Light Sensitive:**
- BUD:** 2 Days
- Storage:** Room Temperature
- Final Volume:** 100.0 ml
- Vol. Drug 1:** 20.0 ml
- Vol. Drug 2:** 80.0 ml
- Route:** (empty)
- Notes:** (ctrl+enter) for enter. Compounding instructions, stock levels, etc..
- Preparation Code:** S-4
- Status:** Completed
- Counts:** Ordered: 1, Completed: 0, Cancelled: 1

At the bottom of the window, there is a toolbar with icons for Home, Back, Print, Cancel, Status, View List, and Exit.

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COMPOUNDING

Grifols' sterile manufacturing
expertise applied to the
compounding pharmacy

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