



WetMill Compact

User Manual

Contents

1. Performance and Main Features	4
2. Application	4
3. Technical Parameter	5
3.1 Specifications	5
3.2 Operating Conditions	5
4. Functions and Use	5
4.1 Milling Cycles	5
4.2 Operation	5
5. Attention	8
6. Maintenance	8
6.1 Cleaning	8
6.2 Troubleshooting	8
6.3 Warranty	11
7. Transportation and Storage	11



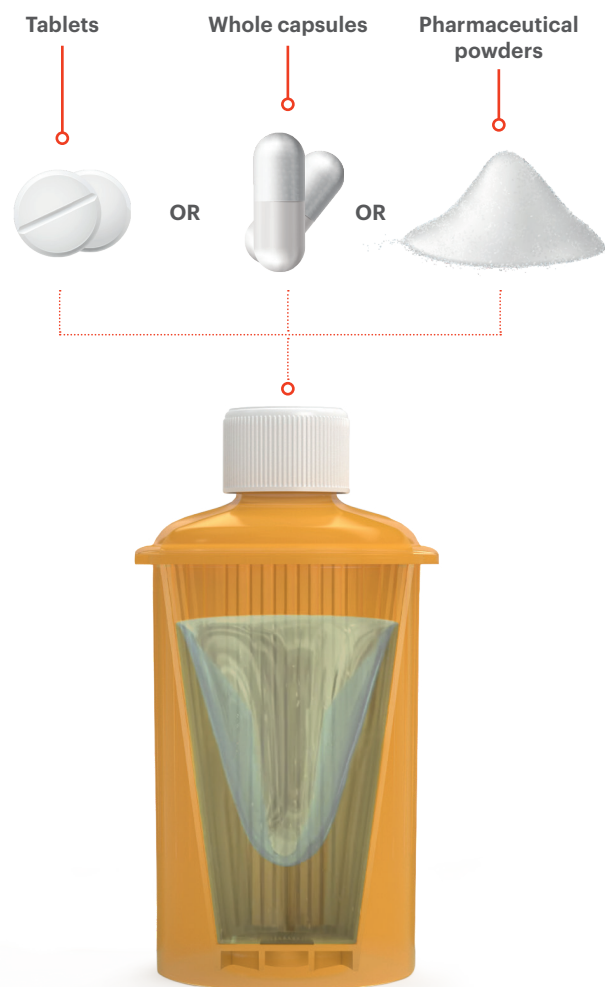
1. Performance and Main Features

The **WetMill Compact** is an innovative automated compounding device, developed to compound extemporaneous oral liquid preparations (hazardous and non-hazardous) from tablets, whole capsules or capsule contents, and bulk powders, through a safe and validated wet milling process, as an alternative to the traditional dry-grinding process. The device uses specialized and patented plastic milling bottles to compound, store and dispense the formulation to the patient. The **WetMill Compact** is the perfect solution to compound extemporaneous preparations inside compounding pharmacies and hospitals, providing:

- Uniformity of content;
- Homogeneous formulations;
- Standardized particle size;
- Safe hazardous and non-hazardous compounding process;
- Validated cross-contamination-free;
- Staff and patient safety.

2. Application

The **WetMill Compact** system is a cost-efficient, safe, and practical alternative to the traditional procedures used to compound extemporaneous preparations while protecting pharmacy staff. **WetMill Compact** consists of a small bench-top milling unit and specialized patented milling bottles with an internal abrasive surface. The patented technology employs physical forces to provide efficient wet milling, with a system suitable for compounding up to four formulas at one time. The **WetMill Compact** utilizes the same principles of a colloid mill, but at a smaller scale. The bottles are disposable and present a 3-in-1 solution: compound, store, and dispense the medication. **Tablets, whole capsules, or pharmaceutical powders** are placed in the bottle with a diluent, the capped bottle is placed in the milling unit and spun at a high RPM using a planetary motion. The abrasive surface of the bottles, combined with the high-speed motion cycle, result in fine, uniform, and rounded particles with homogeneous formulations, replicating the process applied to the pharmaceutical industry on a smaller scale.



3. Technical Parameter

3.1 Specifications

Model	WetMill Compact
Width	13.6 in (34.5 cm)
Height	13.0 in (33.0 cm)
Depth	14.6 in (37.1 cm)
Electrical requirements	100 – 240V, 50 – 60Hz
Maximum amp usage	1.6 amp
Noise level	70 dB @ 3 ft (0.9 m)
Weight (empty)	26.3 lb (11.9 kg)

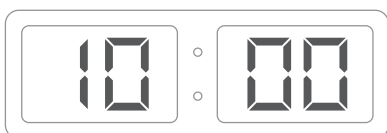
3.2 Operating Conditions

Location	Indoor use only
Altitude	Up to 6.562 ft (2.000 m)
Ambient temperature	41°F to 104°F (5°C to 40°C)
Maximum relative humidity	80% RH @ 87.8°F (31°C) to 50% RH @ 104°F (40°C)
Supply voltage fluctuation	Up to 24V
Clearance	4.0 in (10.1 cm) on all sides

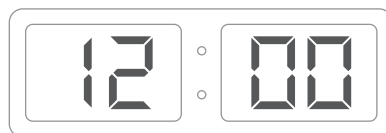
4. Functions and Use

4.1 Milling Cycles

The **WetMill Compact** device has a standard set with 4 different milling cycles:
10 minutes, 12 minutes, 32 minutes, and 46 minutes.



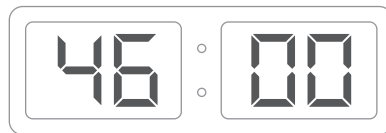
A. The 10-minute cycle must be used for running low viscosity formulations (water + medication).



B. The 12-minute cycle should be explored for compounding powders and tablets in small quantities in low viscosity diluents.



C. The 32-minute cycle should be explored for the compounding of tablets and whole capsules in various diluents.



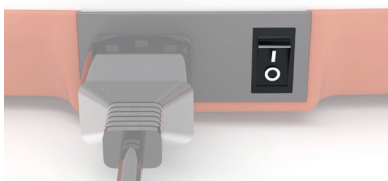
D. The 46-minute cycle should be explored for the compounding of tablets and whole capsules in various diluents.

! NOTE: All cycles may be considered for compounding other formulations.

4.2 Operation



- 1.** Connect power supply cord on appropriate outlet.



- 2.** Turn the power switch located on the rear of the device to the "ON" position.



- 3.** Lift the device lid.



- 4.** Remove the caps from bottle holders.



- 5.** Remove the caps from bottles.



- 6.** Following the prescribed instructions, prepare the formulation for compounding in the milling bottles previously labeled. Add the vehicle followed by the tablets, whole capsules or powders.



- 7.** Ensure that all the foam inserts are secure on the device chucks.



- 8.** Install caps on the milling bottles securely.



- 9.** Ensure that all caps are securely tightened on all bottles before inserting them into the device.



- 10.** Place the milling bottles in the bottle holders as needed. Ensure that all bottles are seated on device chucks properly by manually rotating the bottles. The bottles will not rotate if they are seated improperly.



11.
If an uneven number of formulations are being compounded, ensure that a counterweight bottle of equal weight (use water as control) is placed in the opposite bottle holder of the compounding bottle. If two formulations are being compounded and have a weight difference of more than 10 g, counterweight bottles of equal weights must be placed on the remaining holders.



12.
Install caps on all bottle holders securely. This process is aided by holding the opposite bottle holder stationary while securing the caps.



13.
Close the device lid.



14 a.
Select the desired cycle for the operation. Press and hold the "START" button for 3 seconds. The device will beep and the display will flash.



14 b.
Press the "START" button until the desired milling cycle appears.



14 c.
Once the desired milling cycle appears on display, press and hold the "START" button for 3 seconds. The display will stop flashing.



14 d.
Press the "START" button once more to begin the cycle.



15.
Allow the device to run a complete cycle. The lid will not open until the device comes to a complete stop.



16.
Lift the device lid.



17.
Remove caps from bottle holders. This process is aided by holding the opposite bottle holder stationary while removing the caps.



18.
Remove compounding and counterweight bottles from the bottle holders.

19.
Add complementary excipients (viscosity agents, flavoring, preservatives), or SyrSpend® SF, if needed.

20.
Mix manually until homogeneity or run a 10-minute cycle on the machine again, following the steps 8 to 18.

21.
Deliver the formulation to the patient.

5. Attention

- We have provided important safety messages in this manual. Always read and follow all safety measures before operating the device.
- To avoid the risk of serious injury or death, the operation should not be performed by unauthorized personnel.
- Make sure caps are on the bottle holders and secure before starting the **WetMill Compact**.
- Always disconnect the **WetMill Compact** from the power source before moving.
- When moving the **WetMill Compact**, keep hands, feet, and all other body parts away from pinch points.
- When moving the **WetMill Compact**, use the lifting handles on the device.
- Do not install the **WetMill Compact** in wet or extremely damp locations.
- The **WetMill Compact** should only be installed on a flat surface, capable of supporting the weight of the device, allowing 10 cm of clearance on all sides of it.
- Always plug the power supply cord into a grounded outlet. Do not use an adapter on the power supply cord. Do not use an extension cord. If the power cord is too short, have a qualified electrician install an outlet near the device.
- If a liquid is spilled inside of the device, stop the cycle and unplug the power supply cord immediately.
- Flammable solvents should never be used in or near the device.

6. Maintenance

6.1 Cleaning

The **WetMill Compact** can be cleaned with a damp cloth and normal household cleaners. Never submerge the device.

6.2 Troubleshooting

The troubleshooting section of this manual covers basic troubleshooting for error codes and common issues with the **WetMill Compact**. If the following troubleshooting guide does not resolve the problem, contact your local supplier for further assistance.

THE DEVICE DOES NOT POWER ON

①	Possible cause	Solution
	The power supply cord is disconnected from the device	Connect power supply cord to the device
	The power supply cord is disconnected from the power source	Connect power supply cord to an outlet
	The master power switch is in the "OFF" position	Turn the power switch to the "ON" position

THE DEVICE DOES NOT OPERATE

②	Possible cause	Solution
	The power supply cord is disconnected from the device	Connect power supply cord to the device
	The power supply cord is disconnected from the power source	Connect power supply cord to an outlet
	The master power switch is in the "OFF" position	Turn the power switch to the "ON" position
	The device lid is in the open position	Close the device lid

THE DEVICE LID WILL NOT OPEN

3	Possible cause	Solution
	The device has not come to a complete stop	Allow time for the device to run a complete cycle
	Power lost during a cycle	Power on the device

LIQUID SPILLED INSIDE THE DEVICE

4	Solution
	If a liquid is spilled inside of the device, stop the cycle and unplug the power supply cord immediately. Contact your local supplier for further assistance.

THE DISPLAY SHOWS

Err 1

5	Error Code Description	Solution
	Accelerometer error, excessive vibration	1. Stop operation
		2. Check counterweight bottles to ensure they are filled with a weight equal to the weight of the compounding bottle opposite the counterweight.
		3. Using the power switch located on the rear of the device, turn the power "OFF" .
		4. Turn the power "ON" .
		5. Resume operation.

! If the error code persists, contact your local supplier for further assistance.

THE DISPLAY SHOWS

Err 2

6	Error Code Description	Solution
	Not up to speed error, first trip, below 320 rpm	1. Stop operation
		2. Check counterweight bottles to ensure they are filled with a weight equal to the weight of the compounding bottle opposite the counterweight.
		3. Ensure that bottle holder caps are tightened securely.
		4. Using the power switch located on the rear of the device, turn the power "OFF" .
		5. Turn the power "ON" .
		6. Resume operation.

! If the error code persists, contact your local supplier for further assistance.

THE DISPLAY SHOWS

Err3

7

Error Code Description	Solution
Not up to speed error, second trip, below 380 rpm	1. Stop operation
	2. Check counterweight bottles to ensure they are filled with a weight equal to the weight of the compounding bottle opposite the counterweight.
	3. Ensure that bottle holder caps are tightened securely.
	4. Using the power switch located on the rear of the device, turn the power "OFF" .
	5. Turn the power "ON" .
	6. Resume operation.

! If the error code persists, contact your local supplier for further assistance.

THE DISPLAY SHOWS

Err4

8

Error Code Description	Solution
Speed dropped below 370 rpm during operation	1. Stop operation
	2. Ensure that bottle holder caps are tightened securely.
	3. Using the power switch located on the rear of the device, turn the power "OFF" .
	4. Turn the power "ON" .
	5. Resume operation.

! If the error code persists, contact your local supplier for further assistance.

There are no user-serviceable parts in the **WetMill Compact**.
Contact your local supplier if the device needs service.

6.3 Warranty

This device is under warranty and free from defects in materials and workmanship, under normal use and service, for 24 months from the date of invoice (excluding consumable accessories). The warranty is extended only to the original purchaser. Warranty is not valid on a device that has been damaged by improper installation, improper connections, misuse, accident, or abnormal conditions of operation. If the warranty has been expired, Fagron would still be responsible for repair with relative charges. **For claims under the warranty please contact your local supplier.**

7. Transportation and Storage

The **WetMill Compact** is equipped with lifting handles so that the device can be easily moved. The device weighs approximately 11.9 kg and should only be stored on flat, level surfaces capable of supporting the weight of the device.

NOTE: Do not store the WetMill Compact in wet or extremely damp locations.



Together
we create the future
of personalizing medicine.



Fagron BV
Lichtenauerlaan 182
3062 ME Rotterdam
The Netherlands

T +31 88 33 11 288
F +31 88 33 11 210
www.fagronlab.com

 **Fagron**
lab