



# BAGMIXER® 400

User's manual / guarantee

# BAGMIXER® 400 RANGE



## BagMixer® 400 P

*The essential*

- Fixed speed (8 strokes/sec.)
- Variable blending time (30 - 210 secs. or open-running)
- Also available in CoolMix® version (refrigerated / heated door)

Ref: 021 230



## BagMixer® 400 W

*Best-seller*

- Window door
- Fixed speed (8 strokes/sec.)
- Variable blending time (30 - 210 secs. or open-running)
- Security drip tray

Ref: 022 230



## BagMixer® 400 VW

*Comfort and precision*

- Window door
- Multifunction digital screen
- Variable speed (4 - 10 strokes/sec.)
- Variable blending time (1sec-1h or open-running/count-down)
- Adjustable blending pressure with on-screen indication
- Q-Tight® & side-by side stopping paddle systems
- Security drip tray

Ref: 023 230



## BagMixer® 400 CC®

*Click & Clean®*

- Window door
- Multifunction digital screen
- Variable speed (4 - 10 strokes/sec.)
- Variable blending time (1sec-1h or open-running/count-down)
- Adjustable blending pressure with on-screen indication
- Click & Clean® System (removable paddles)
- Q-Tight® & side-by side stopping paddle systems
- Security drip tray

Ref: 024 230

## Thank you for choosing BagMixer®.

Your new blender:

- ensures an excellent preparation of solid samples before their analysis.
- avoids the use of mixers or high speed blenders which damage the cells and bacteria contained in the sample, and which require fastidious cleaning and sterilization.

Using the **BagMixer® 400** together with **interscience** filter-bags (1) will guarantee optimal analysis results in ideal conditions of reproductibility and hygiene.

To get the best use from your **BagMixer® 400** and high-quality sample preparations in compliance with NF V 08-010 / ISO 6887-1983 specifications, please read this manual carefully.

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(1) Cf. paragraph IV

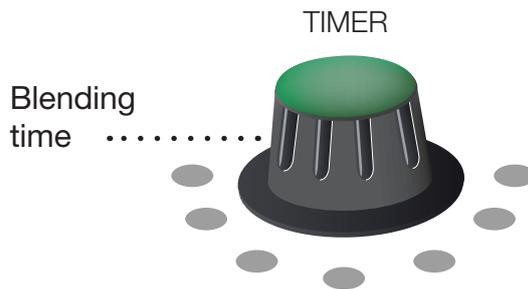
## I. SETTING-UP

1. Take the **BagMixer® 400** out of its packaging and place it on a flat, stable surface.
2. **For W, VW and CC® models:** slide the drip tray under the blending chamber; this will collect any drops or leaks during blending.

## II. OPERATING

### P and W models

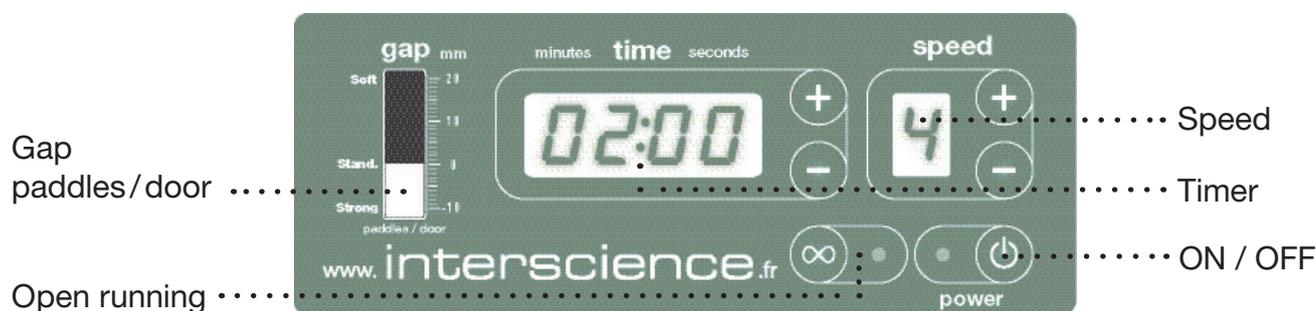
1. Plug the power cord into the 220-240 V~ mains (110 V option available). Check that the main switch at the back of the unit is in position “I”.
2. Adjust the “Timer” button on top of the unit to the required setting.



3. Open the front door by pulling the lever up. Place a bag containing the sample in the unit and close the door while holding the bag. Push the lever down until you feel a click.  
**BagMixer® 400 starts automatically.**
4. **BagMixer® 400 stops automatically at the end of cycle.**  
You may monitor the blending process through the window. (except for P model)
5. Open the door and lift out the bag.  
**BagMixer® 400 is ready for the next cycle.**

## VW, CC® models

1. Plug the power cord into the 220-240 V~ mains (110 V option available). Check that the main switch at the back of the unit is in position "I".
2. Set up the time using the «time» keys (+ or -) on top of keyboard. You can also set up open running with the «∞» key.
3. Set up the blending speed of the paddles (1, 2, 3 or 4) using the «Speed» keys (+ or -).



4. Set the blending pressure by using the crank at the back of the unit. (chapter VII) Check the settings with the «GAP» screen on the keyboard\*.
5. Open the front door by pulling the lever up. Place a bag containing the sample in the unit and close the door while holding the bag. Push the lever down until you feel a click.  
**BagMixer® 400 starts automatically.**
6. **BagMixer® 400 stops automatically at the end of cycle.** You may monitor the blending process through the window.
7. Open the door and lift out the bag.  
**BagMixer® 400 is ready for the next cycle.**

\* «Gap» screen only available on CC® model

### III. CAUTION

The unit must be installed upright, on a stable, horizontal surface; never run the unit in any other position! Always use an earthed plug.

The housing should only be removed by qualified and duly authorized staff (see Chapter IX). Never open the housing of the machine without first unplugging the unit from the electric mains.

In normal use, do not run the **BagMixer® 400** for more than 15 minutes continuously (depending on sample size and nature, paddle position and speed selection).

**IF YOU ARE NOT SURE, PLEASE CONSULT US FOR ADVICE BEFORE USING!**

### IV. STERILE BAGS

You may use all good quality standard blender bags with **BagMixer® 400**. However, we strongly recommend **interscience** bags:

**BagFilter®**: bags with non-woven side filter. Highly robust. Excellent for general use.

**BagPage®**: bags with a full-width microperforated filtering membrane.

**BagLight®**: plain blender bags without filter, made in PolySilk®.

### V. BAGMIXER® 400 ACCESSORIES (2)

As well as the drip tray, **interscience** proposes a full range of accessories to improve user working conditions and to increase safety and analysis quality :

**BagOpen®**: bag holder for use when filling the bag

**BagRack®**: storage racks for bags

**BagClip®**: closing clips for blender bags

**BagPipet®**: fixed-volume pipette (0.1 - 0.9 - 1ml)

**BagTips®**: sterile straws for use with the BagPipet®

**BagSeal®**: heat-sealing unit for bags

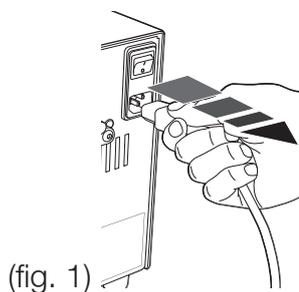
Ideal complements : **Gravimat®** and **BabyGravimat®** gravimetric dilutors

(2) See BagTools and BagSystem® on [www.interscience.fr](http://www.interscience.fr)

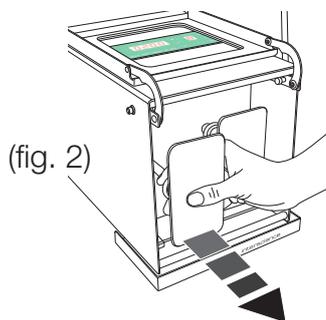
## VI. MAINTENANCE AND CLEANING

Maintenance and cleaning are very easy, thanks to its fully opening door system.

1. The housing may be cleaned with standard household products for cleaning stainless steel.
2. To clean the blending chamber, proceed as follows :

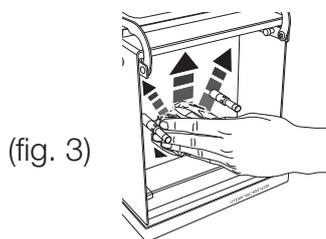


- **Unplug the power cord from the mains.** (Fig. 1)



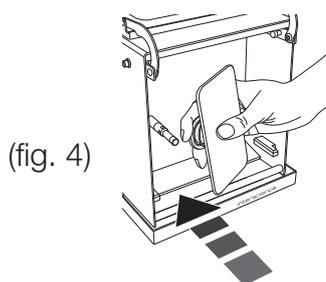
- Lift the lever to open the door, then unhook the lower edge of the door from the axis bar.

- Swing the lower edge of the door upwards and lay the door flat on top of the unit.



- **Click the paddles and remove them (3).** (Fig.2)

- **Clean the blending chamber.** (Fig.3)



- **Click the paddles to reposition them\*.** (Fig.4)

- Reposition the door, **ensuring that it is correctly centered on the lower axis bar.**

- Plug the unit into the power socket.

- Put the switch at the back to position "I".

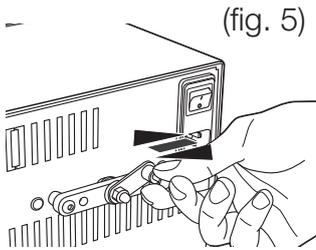
- Close the door gently.

- Start and test the unit.

(3) Only on BagMixer® 400 CC® model

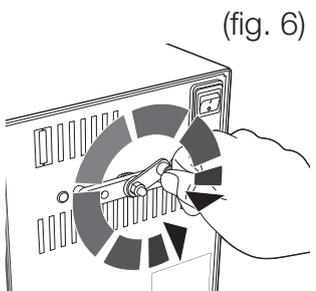
## VII. CHANGING THE SPACE BETWEEN THE DOOR AND THE PADDLES ( VW and CC®)

You may reduce or increase the space between the doors and the paddles for special samples.



1 . Release the crank at the back of the unit by pulling the handle outwards .(Fig.5)

2 . **Turn the crank to push the paddles backwards or forwards.** (Fig.6)



-  Turn the crank 360° clockwise to push the paddles **forwards**.

-  Turn the crank 360° anticlockwise to push the paddles **backwards**.

## VIII. REMOVING THE HOUSING

*This operation should only be carried out exceptionally, by authorized and qualified staff.*

**Disconnect the unit from the mains then :**

1. Lift the lever to open the door, then unhook the lower edge of the door from the axis bar.
2. Swing the lower edge of the door upwards and lay the door flat on top of the unit.
3. Lift off the green cap from the «timer» knob with a Phillips screwdriver, tap gently but firmly on the brass screw and lift off the black button.
4. Unscrew the screws with a Torx screwdriver.
5. Gently remove the housing, disconnect the earth wire and the flat cable.  
(Only on **BagMixer® VW et BagMixer® CC** models for the flat cable.)

**To close the housing, follow the instructions in reverse order.**

## IX. TROUBLE-SHOOTING

PROBLEMS	CHECK
Unit does not start	<ul style="list-style-type: none"> <li>- Power supply is correctly connected</li> <li>- Main switch (at the back of the unit) is in position "I" (ON)</li> <li>- Door is closed correctly</li> <li>- Fuse is OK</li> <li>- Voltage of power supply is correct</li> </ul>
Door closes incorrectly	Check that it is correctly positioned on the axis bar at the bottom of the door
Blending time is wrong	Adjust the timer
Blending speed is wrong	Adjust the speed function
Bags leak during the cycle, or at the end of blending	Use good quality bags: BagFilter®, BagPage® or BagLight® bags from interscience
Bags often leak during the cycle or at the end of the blending, when blending hard (wood, fibers...) or heavy material	If necessary, increase the dead space between door and paddles from and/or reduce blending speed

## X. TECHNICAL DATA

BagMixer® 400	P	W	VW	CC®
Useful volume	50 - 400 ml	50 - 400 ml	50 - 400 ml	50 - 400 ml
Power	230/100V - 50/60Hz	230/100V - 50/60Hz	230/100V - 50/60Hz	230/100V - 50/60Hz
Size (l x w x h)	39 x 26 x 29 cm	39 x 26 x 29 cm	42 x 26 x 26.5 cm	42 x 26 x 26.5 cm
Weight	16.5 kg	16.5 kg	16.5 kg	16.5 kg
Blending time	30-210 sec. & open running	30-210 sec. & open running	1sec.-1H. and open running/countdown	1sec.-1H. and open running/countdown
Blending speed	8 strokes/sec.	8 strokes/sec.	4-10 stroke/sec.	4-10 stroke/sec.
Drip tray	option	√	√	√
Reference	021 230	022 230	023 230	024 230

BagMixer® 400 is delivered with: **FREE** bag samples, power cord and instruction manual.



## XI. GUARANTEE

**BagMixer® 400** is a laboratory unit. Industrial use, over-loaded and daily non-stop use can damage your **BagMixer® 400** and void your guarantee.

**See the guarantee card at the end of this handbook.**

**Validate your guarantee online within 8 days:**

- **online:** [www.interscience.fr/guarantee/bagmixer.php](http://www.interscience.fr/guarantee/bagmixer.php)

- **by post:** return this card

- **by fax to:** +33(0)1 34 62 43 03

**interscience** will repair the unit **free-of-charge** according to the guarantee conditions on the guarantee card. The unit must be returned carriage-paid to our laboratory, and **only after prior agreement** with the **interscience** after-sales department.

**interscience** will extend the guarantee period to **3 years** for users who return the guarantee card to **interscience** in the 8 days following the purchase.

**Our guarantee becomes void in case of incorrect use or opening of the unit by unqualified or unauthorized persons.**

### GENERAL GUARANTEE CONDITIONS

BagMixer® 400 is guaranteed for a period of 12 months starting on the shipment date indicated on the delivery note. The guarantee is extended to 3 years if the end-user returns the card within 8 days following the purchase.

This guarantee covering parts and workmanship will be ensured by calling your dealer, or faxing **interscience** on +33 (0) 1 34 62 43 03. As malfunctions are extremely rare, please read the chapter 10 «Trouble-shooting» and check your BagMixer® 400 before any call.

The return of a unit will only be accepted with a repair reference number (issued by the **interscience** after-sales services). The unit must be returned to us freight pre-paid, in its original packaging or in a similarly protected case after our written agreement.

It is hereby stipulated that this unit must be used for laboratory applications only, and must be maintained according to the instructions in the present user's handbook.

In the case of damage caused by use of the unit for which it was not designed or by unauthorized repairs, the liability of **interscience** to honor the guarantee will be void.

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UNIT SUBJECT TO ARTICLE R 233-84 OF THE WORK CODE

CERTIFICATE OF COMPLIANCE WITH THE RULES OF HYGIENE AND WORK SECURITY

(Application of Article R.233.68 of the Work Code)

**interscience** certifies that the "BagMixer® 400" complies with the articles R.233-85 to R.233-106 of the Work Code and with the Decree N° 80-544 of 15 July 1980, 1/2.

# BagMixer® 400

## GUARANTEE

Validate your guarantee online : [www.interscience.fr/guarantee/bagmixer.php](http://www.interscience.fr/guarantee/bagmixer.php)  
or by fax to : +33 (0)1 34 62 43 03 or by postal mail

Company (user):		<b>BagMixer® 400: Serial number and model :</b>	
Name:			
Address:		Date of purchase:	
		Retailer's name:	
Country:		Some comments or appreciations ?	
Tel.:		Just let us know and we will take it into account !	
Fax:			
email:			
web:			

- MiniMix® 100 ml blender
- JumboMix® 3500 ml blender
- BagFilter® filter bags
- Gravimat® & BabyGravimat® dilutors
- BagTools® accessories
- Spiral® DS+ plater
- Scan® 500 & 1200 colony counters

# BagMixer® 400

## GUARANTEE

Thank you for choosing BagMixer® 400.  
PLEASE VALIDATE YOUR BAGMIXER® GUARANTEE WITHIN 8 DAYS  
and get the free guarantee extension of 3 years.  
(see general conditions Chapter XI, page 10)

Validate your guarantee online : [www.interscience.fr/guarantee/bagmixer.php](http://www.interscience.fr/guarantee/bagmixer.php)  
or by fax to : +33 (0)1 34 62 43 03 or by postal mail

## BagMixer® 400

# interscience

30, Chemin du Bois des Arpents  
78860 St Nom la Bretèche  
FRANCE



Tel : +33 (0)1 34 62 62 61 Fax : +33 (0)1 34 62 43 03  
e-mail : [info@interscience.fr](mailto:info@interscience.fr) / web : [www.interscience.fr](http://www.interscience.fr)

Get the best results with...



### Gravimat®

*Gravimetric dilutor*

Automatically dilutes your sample with the appropriate mass of solvent.



### BagFilter® 400

*Blender bags with side filter*

Sterile blender bag with a side non-woven filter.



### BagPage® 400

*Full page sterile filter bags*

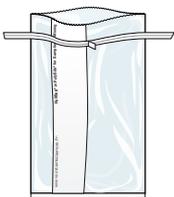
Robust & food compatible, multilayer.



### BagLight® 400

*Plain sterile bags*

Made of PolySilk®, extremely robust.  
For samples that do not require any filtration.



### RollBag®

*Sampling bags*

For collecting, sampling & preservation of any sample. Stands up alone.



### BagOpen® 400

*Bag opener*

Easy opening, extremely stable.



### BagRack® 400

*Storage rack*

All stainless steel.



### BagClip®

*Closing clips*

Water- and air-tight. Close any kind of bag.



## CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**INTERLAB  
Mourjou  
France**

has been approved by Lloyd's Register Quality Assurance  
to the following Quality Management System Standards:

**ISO 9001:2008**

The Quality Management System is applicable to:

**Manufacture of laboratory equipment, sterile bags  
and filter bags for laboratories and of mixers using these bags.  
Processing of laboratory products  
and equipment for INTERSCIENCE.**

Approval  
Certificate No: FQA 0950488

Original Approval: 6 June 1997

Current Certificate: 1 July 2009

Certificate Expiry: 30 June 2012

*A. Juscas*

Issued by: Lloyd's Register Quality Assurance France SAS



001

This document is subject to the provision on the reverse  
1, boulevard Vivier Merle, 69443 Lyon cedex 03

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.  
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001  
Macro Revision 13

## CERTIFICATE OF COMPLIANCE FOR DIRECTIVES 2002/95/EC AND 2002/96/EC

We, interscience, guarantee that our products are in conformity with the directives:  
- 2002/95/EC (the RoHS Directive) restricting the use of hazardous substances in electrical and electronic equipment.

Based on information provided by our suppliers, we indicate the products listed below as RoHS compliant for orders placed on or after the date of this certificate:

- MiniMix® 100 VP
- MiniMix® 100 VW
- MiniMix® 100 CC
- CoolMix® 100 VP
- BagMixer® 400 P
- BagMixer® 400 W
- BagMixer® 400 VW
- BagMixer® 400 CC
- CoolMix® 400
- iMix®
- JumboMix® 3500 VP
- JumboMix® 3500 VW
- JumboMix® 3500 VW WarmMix®
- JumboMix® 3500 CoolMix®
- Baby Gravimat®
- Gravimat®
- EasySpiral®
- EasySpiral Pro®
- Scan 100®
- Scan 500®
- Scan 1200®

### All this machines are compatible with 110V and 220V supply voltage

- 2002/96/EC (the WEEE Directive) imposing selective recovery of Electrical and Electronic Components.

We certify that all the products bearing the appropriate legal markings are in conformity with these directives and will be taken back at the end of their lifetime by our company.  
(no return carriage costs with be borne by interscience).

ST NOM-LA-BRETECHE, March 4<sup>th</sup>, 2010

  
Emmanuel JALENQUES  
Director

## « CE » COMPLIANCE DECLARATION

We, interscience, guarantee that the following products:

- MiniMix® 100 VP
- MiniMix® 100 VW
- MiniMix® 100 CC
- CoolMix® 100 VP
- BagMixer® 400 P
- BagMixer® 400 W
- BagMixer® 400 VW
- BagMixer® 400 CC
- CoolMix® 400
- iMix®
- JumboMix® 3500 VP
- JumboMix® 3500 VW
- JumboMix® 3500 VW WarmMix®
- JumboMix® 3500 CoolMix®
- Baby Gravimat®
- Gravimat®
- EasySpiral®
- EasySpiral Pro®
- Scan 100®
- Scan 500®
- Scan 1200®

### All this machines are compatible with 110V and 220V supply voltage

Are made in CE compliance with the following directives:

- European Directive 98/37/CE of 22 June 1998 which abrogate the directive 89/392/CEE of 14 May 1989 modified by the directives 91/368/CEE, 93/44/CEE and 93/68/CEE relative to machines.
- European Directive 89/336/CEE of 3 May 1989 modified by the directives 92/31/CEE, 93/68/CEE and 2004/108/CE relative to Electromagnetic Compatibility.
- European Directive 73/23/CEE of 19 February 1973 modified by the directive 93/68/CEE relative to low voltage electrical goods.

ST NOM-LA-BRETECHE, March 4<sup>th</sup>, 2010

  
Emmanuel JALENQUES  
Director

# interscience

A decorative graphic consisting of several overlapping, wavy lines in various shades of green, flowing horizontally across the middle of the page.

**Worldwide:** 30. Ch Bois Arpents, 78860 St Nom FRANCE  
Tel. +33(0)1 34 62 62 61 / Fax. +33(0)1 34 62 43 03  
[info@interscience.fr](mailto:info@interscience.fr) / [www.interscience.fr](http://www.interscience.fr)

**USA/Canada:** 199 Weymouth St. ROCKLAND, MA 02370 USA  
Tel. +1 781 792 2133 / Fax. +1 781 792 2134  
[info@intersciencelab.com](mailto:info@intersciencelab.com) / [www.intersciencelab.com](http://www.intersciencelab.com)