

# Laboratory Blender

## Stomach action - BagSystem®



### Introduction to the BagSystem®

The Interscience BagMixer® is a solid sample preparation system which blends the sample materials with a stomach like action in a sterile bag. The bag is repetitively squeezed to break up the contents. Special filter bags automatically separate the juice or inoculum from the solids. A range of accessories facilitate bag handling and storage. The BagSystem® is very easy to use. There are different kinds of bags depending on your application. There are plain bags and bags with built in filters. The basic method of operation is to load a bag with the product to be blended along with some diluting fluid. The bag is then placed in the blender and the door closed. The BagMixer is run for a programmed amount of time. The bag complete with the now blended contents is removed from the blender. The bag and contents can now be stored for later use or the contents prepared for analysis. Depending on the type of filter bag used the inoculum can be either pipetted out after blending or, with a type S bag, poured out whilst the solids remain behind.

### Bag Filters

BagFilters® are special sterile bags for use with the BagMixer® blenders. The filter eliminates particles from the fluid yet ensures a balanced distribution of inoculum by the top and bottom of the sample through the filter during blending. After blending, the inoculum is homogeneous and easy to use, whilst its bacterial characteristics remain unchanged. There are several types of filter bags.

### Features

- ☐ Efficient blending and filtering in a sterile bag better preserves cells for microbiological analysis.
- ☐ Less damage to the sample than revolving blades.
- ☐ Silent, easy to use, easy to clean and maintain.
- ☐ No contact between the sample and the machine keeps the unit clean.
- ☐ Models for 100 ml, 400 ml and 3500 ml sample bags.
- ☐ All stainless steel housing, optional clearview door.
- ☐ Automatic start and stop timer.
- ☐ Complete system with bags, filters, storage racks, and pipette.
- ☐ Doubly secure unbreakable door is fully retractable for easy cleaning.
- ☐ 3 year warranty. ISO9002 certification.

Specifications	Minimix®	BagMixer®400	JumboMix®3500
Capacity	5 - 100 ml	50 - 400 ml	400 to 3500 ml
Strokes/sec	8	6,7,8, or 9	3 - 6
Timer	10 - 360 secs	30 - 210 secs	30 - 210 secs
Size l x w x h	350 x 200 x 200	400 x 215 x 240	410 x 500 x 380
Power	110V / 60 Hz - 220V / 50 Hz		
Net weight	8 kg	17 kg	35 kg

### Types of Bags

**Bags Type P and Type S.** In both P and S types the filter is sealed to front and back wall of the bag to form two vertical sections running from the top to the bottom of the bag. A pipette can be used in both P and S type bags after blending. The Type S has an additional transverse seal which allows the liquid to be poured out of the bag whilst the solids remain behind.

**BagPage®** is a new filter bag with the filter running the full width and depth of the bag to form 2 compartments of equal size.

**BagLight®** is a plain sterile bag for sample storage or disposal.



## Accessories

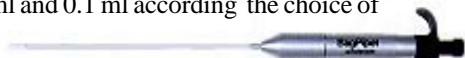


The BagRacks® provide for organized storage of the sample bags. The racks can be stacked as shown. The sterile Bagclips® seal the bags.



BagOpen® (above right) uses sticky tabs to pull apart the sides of a new bag for loading, thus avoiding unnecessary handling.

BagPipette® is an automatic fully autoclavable pipette which takes preset sample volumes of 1.0 ml, 0.8 ml and 0.1 ml according the choice of



volume button. It can make serial dilutions in tubes, 1 ml in 9 ml, or dispense 1 ml of sample in a Petri dish.

The pipette uses sterile BagTips®, straws, which are supplied in sterile packages of 25 straws ( the bag of tips can be resealed with a BagClip®.)



The BagSeal® is a thermal sealing device suitable for all size bags in this system. Sealing width up to 26 cms

## Ordering Information Accessories

Item	Part No	Description	Qty	Price USD
BagClips®	BC400	Clips for 100 & 400 ml bags	50	\$75.00
	BC350	Clips for 3500 ml bags	50	\$95.00
BagRack®	BR400	Storage rack for 12 400 ml bags	1	\$85.00
BagOpen®	BO400	Opener for 100 & 400 ml bags	1	\$65.00
BagPipette®	BP100	Automatic	1	\$175.00
BagTips®	BT100	Tips for pipette	1000	\$48.00
BagSeal®	BS400	Bag sealing unit	1	\$1400.00

## Ordering Information Filter Bags

Type of Bag	Part No.	Capacity	Size (mm) w x h	bags /pack	Bags/ Carton	Price/ Carton
BagFilter® Type P bags for pipette Lateral filter	BF400P	400	190 x 300	25	500	\$295.00
	BF3500P	3500	380 x 510	10	100	\$140.00
BagFilter® Type S for pouring lateral (back to front) filter	BF400S	400	190 x 300	25	500	\$315.00
BagPage® Full width (side to side ) (filter)	BP40025	400	190 x 300	25	500	\$215.00
	BP40010	400	190 x 300	10	500	\$235.00
	BP100	100	190 x 300	25	500	\$200.00
	BP3500	3500	380 x 510	25	100	\$140.00
BagLight® Plain Sterile Bags no filter	BL40025	400	190 x 300	25	1000	\$95.00
	BL40050	400	190 x 300	50	1000	\$85.00
	BL10025	100	105 x 150	25	500	\$46.00
	BL3500	3500	105 x 150	25	500	\$170.00

## Ordering Information Blenders



Blender Type	Description	Price USD
Minimix100®	Lab Blender for 80 mL bags	
Model 100P	Stainless steel door	\$1750.00
Model 100W	Transparent door	\$1995.00
Bagmixer 400®	Lab blender for 50 ml and 400 ml bags	
Model 400P	with stainless steel door	\$1850.00
Model 400W	with transparent door	\$2050.00
JumboMix®	Lab blender for 400 ml and 3500 ml bags	
Model 3500P	with stainless steel door	\$4500.00
Model 3500W	with transparent door	\$4995.00

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