Vibrasorb® Vibration Damping Mounts

Isolate Delicate Benchtop Instruments from Vibrations

Sensitive instruments used in research, manufacturing, inspection, and quality control can be adversely affected by vibrations caused from nearby equipment such as pumps, stirrers, blenders, as well as vibration from the general environment. Vibrasorb® Vibration Damping Mounts facilitate optimal use and help protect electromechanical and optical equipment from excessive wear and even structural damage that can be caused by exposure to vibration.



Vibrasorb® Economy Vibration **Damping Mount**

Non-Slip Neoprene Surface

The Vibrasorb® Economy Vibration Damping Mount has a durable, high impact polystyrene shell with a smooth, non-slip neoprene working surface. Vibro-Absorber™ damping mounts at each corner support the 20.8kg (46lb) platform. The platform area is 34 x 27.5 cm (13½ x 11") and easily wipes clean. Maximum carrying weight for effective vibration dampening is 11kg (24lb).

CATALOG NO.	DIMENSIONS (L x W x H)	SHIPPING WEIGHT	
F18385-0000	39 x 34 x 11.8cm (15.4 x 13.5 x 4.6")	24Kg (53lb)	

Vibrasorb® Premium Vibration **Damping Mounts**

Chemical and Scratch Resistant Polished Surface

Molded of dense black & white terrazzo, these 6.4cm (2½") thick platforms are supported on four Vibro-Absorber cushions with neoprene feet and support up to 16kg (35 lb).

The larger size will absorb vibrations down to 13 Hz with a 16kg (35lb) load, while the smaller size will absorb vibrations down to 16 Hz. with a 16kg (35lb) load. With lighter loads, the



minimum frequency of damping for both sizes will increase to a value between 16 Hz. and 25 Hz. Both sizes feature a polished surface that resists scratches and chemical attack.

CATALOG NO.	DIMENSIONS (L x W x H)	SHIPPING WEIGHT	
H18386-0001	35 x 35 x 7.6cm (13¾ x 13¾ x 3")	19kg (42lb)	
H18386-0000	45 x 56 x 7.6cm (18 x 22 x x 3")	39kg (87lb)	



Vibrasorb® Round Vibration **Damping Mount**

Durable Work Platform Keeps Equipment Steady

Vibrations caused by nearby pumps, blenders, stirrers and other equipment are absorbed down to 13 Hz. The mount is made from grey Silestone® with a polished surface that resists scratches and chemicals. It is 40.6cm (16") in diameter x 6.3cm (2½") thick and is supported by three vibration absorbers with neoprene feet. Maximum carrying weight for effective vibration dampening is 13.6kg (30lb).

CATALOG NO.	DIMENSIONS (DIAM. x H)	SHIPPING WEIGHT	
F18386-0002	40.6 x 6.4cm (16" x 2½")	16.5kg (36 lb)	



A. Poly-Jaque™ Plastic Lab Jack

Corrosion-Resistant Jack Holds 10 Times Its Own Weight

U.S. Patents 7,111,825 B2; D541,504

The smooth, easy-to-clean top plate has a 21 cm (8.25") diameter and a molded-in position to install a vertical support rod (see F18391-0002 below). Supports gradient makers, hot plates, flasks, beakers, baths and other lab items up to 6.8 Kg. (15 lb.). Molded of strong polycarbonate and assembled with no metal parts, the jack is electrically non-conductive and can be immersed in a bath or used in corrosive environments. A large height adjusting knob allows accurate positioning from 7.6cm (3") to 30cm (12"). Both top and bottom plates may be drilled for permanent attachment to bench or lab equipment with screws or bolts. Steam autoclavable at 121°C (250°F). NOTE: Not intended to be used to lift weight from its bottom position. Place the weight on the top plate only after raising to the desired height.







CATALOG NO.

F18391-0001

B. Vertical Support Rod

This 46 cm (18") long stainless steel support rod attaches to the top plate of the Poly-Jaque™ Lab Jack to allow attachment of various clamps and other accessories. The rod diameter is 7.9 mm (‰") and is supplied with two hex nuts for secure attachment to the jack top plate. NOTE: This metal rod is electrically conductive.

CATALOG NO.

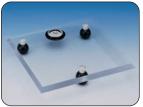
F18391-0002

C. Burette Clamp

Non-corroding, polyproylene burette clamp will not obscure graduations.

CATALOG NO.

F18204-0000



Leveling Table

Keep Your Work on the Level

This clear acrylic level surface helps in pouring immunological plates, horizontal agarose gels and acrylamide sequencing gels. Each leg is adjustable, and an inset leveling bulb below the working surface assists in accurate adjustment. The rigid platform is 20.3 x 20.3 x .95cm thick (8 x 8 x %").

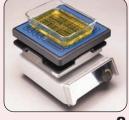
CATALOG NO.

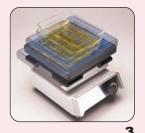
H18310-0000

spindrive Orbital Platforms

Convert Your Magnetic Stirrer into an Orbital Shaker or Vibrating Platform Save Time, Money, and Valuable Benchtop Space

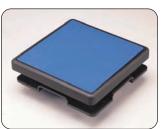






Simple as... 1

2



Spindrive® Orbital Shaker Platform

Shake and Mix; Rotating Orbit Diameter of 21.7mm U.S. Patent 5,409,312

Turns a standard magnetic stirrer into an orbital shaking platform saving the expense and space requirements of additional lab equipment. Perfect for dishes, flasks, and trays, it is also ideal for Western Blot processing. Shaker adjustment is controlled by setting the magnetic stirrer to the

desired speed. Platform protects the operating mechanism from spills and has a non-skid surface to prevent containers from sliding. The base incorporates built-in hand holds for lifting and carrying. Supports up to 6.8 kg (15 lb) and has a rotating orbit diameter of 21.7mm (%").

DIMENSIONS (L x W x H)	WEIGHT	
22.5 x 22.5 x 5.3cm (8½ x 8½ x 2½6")	1kg (2.2 lb)	
	,	,

Spindrive® Orbital Vibrating Platform

Vibrate and Mix; Rotating Orbit Diameter of 1.52mm U.S. Patent 5.409.312

Save the expense and eliminate the space requirements of another piece of lab equipment. Placed and centered on a magnetic stirrer, this platform operates as an orbital vibrator for plates, flasks or other vessels. Vibration adjustment is controlled by setting the magnetic stirrer to the desired speed. Platform protects the operating mechanism from spills and has a non-skid surface to prevent containers from

sliding. The base incorporates built-in hand holds for lifting



and carrying. Supports up to 6.8 kg (15 lb) and has a rotating orbit diameter of 1.52mm (1/16").

CATALOG NO.	DIMENSIONS (L x W x H)	WEIGHT	
F37041-0001	22.5 x 22.5 x 5.3cm (8½ x 8½ x 2½6")	1kg (2.2 lb)	

NEW PRODUCTS!

Techni-Dome® 360 Balance Enclosure

Isolated Work Space for Delicate Work

The Techni-Dome® Balance Enclosure offers generous space for safely positioning an analytical balance, in a virtually draft-free, compact environment. Made of clear, high strength polycarbonate, the smooth interior is easy-to-clean, chemical resistant and provides an unobstructed view of the contents from any angle without the need for interior lighting. The included Vibrasorb® Vibration Damping Mount absorbs vibrations to isolate sensitive analytical balances from nearby disturbances. Simply lift the top, place your balance on the Damping Mount and



then close the cover to begin use. Two access ports allow maximum dexterity for sample handling and balance operation. The Damping Mount can be easily removed for cleaning or use outside the unit.

CATALOG NO.	DESCRIPTION	DIMENSIONS (W x H)	
F50032-0000	Internal volume: 65 liters (3960 cu. in),	60 x 60cm (22" x 22")	



Techni-Dome® 360 Observation Chamber

Nests for Compact Storage

The Techni-Dome® Observation Chamber offers excellent interior volume for observation of a wide range of processes, phenomena or classroom projects with a minimal footprint that preserves valuable counter space. Made of clear, high strength polycarbonate, the smooth interior is easy-to-clean, chemical resistant and provides an unobstructed view of the contents from any angle without the need for interior lighting. Openings in the lower half of the unit provide two-handed access to the interior. Or, simply lift off the top half for placement of large objects. Molded-in handles

and a low weight of less than 5kg (11lbs) offer portability, making the unit suitable for field use. When not in use, the top half can be nested into the bottom for space saving storage.

CATALOG NO.	DESCRIPTION	DIMENSIONS (W x H)	
F24971-0000	Internal volume: 65 liters (3960 cu. in),	60 x 60cm (22" x 22")	



Microwave Stirrer

Heat and Magnetically Stir Inside a Microwave Oven

U.S. Patent 6,076,957

Converts the motion from the turntable impeller inside a microwave oven into a magnetic stirrer allowing simultaneous heating and stirring for increased efficiency. Heated stirring can improve dissolving and mixing, and permits preparation of super-saturated solutions. Ideal for melting agar and agarose, concentrating urea solutions, or other applications

that benefit from heated stirring, and for chemical purification. Adjustable pins make stirrer compatible with most microwave drive spindles. Can be used with magnetic stirring bars up to 5cm (2") in length.

CATALOG NO.	DIMENSIONS (L x W x H)	
F37040-0000	27.6 x 25.7 x 6.7cm (10% x 10% x 2%")	J



Scienceware® Super Glue

Super Strong! Super Dependable! Super Economical! Super Fast!

A drop of fast-setting Scienceware® Super Glue provides an amazingly strong repair or assembly joint. Use it on metals, rubber, wood, most plastics or semi-porous materials. Dissimilar materials may be joined as well. Scienceware® Super Glue is an ethyl-cyanoacrylate adhesive, solvent-free and needs no catalyst or heat. Colorless and transparent when set. **Per each, 24 per case**. *No Air Shipment*.

CATALOG NO.	VOLUME	
F24006-0000	3 grams (0.11 fl oz)	

Fluo-Kem[®] Lab-Thread Tape

Lubricates and Seals without Grease or Adhesives

Pure, non-sintered Teflon® PTFE Lab-Thread Tape contains no adhesive, yet does a superior job of sealing small apertures. Conforming to irregularities of surfaces, threads and joints of all types, it eliminates the need for lubricants and vacuum greases. Provides a vacuum tight seal and eliminates "freezing" even after long periods. Can be used on ground glass joints, desiccators, bell jars, freezedrying equipment, etc. 0.0635mm (0.0025") thick, 12.7mm (½") wide x 7.6 meters long (300") per roll. Withstands temperatures from -250°F to 500°F. 3 rolls per bag, 6 bags per case.





CATALOG NO.

F24020-0000



Labmat™ Bench Liner Rolls & Sheets

White or Biohazard Safety Orange

Disposable Labmat™ Bench Liner speeds clean-ups and safeguards work surfaces from stains, spills and wear. The highly absorbent upper surface traps up to 420 ml/m² of water, dyes, corrosive chemicals, or radioactive solutions. The flexible polyethylene film backing is non-skid and prevents soak-through of most solutions. Simply roll up and discard after contamination. Labmat™ Liner is available in 50.8 cm (20") wide by 15.2m (50ft.) rolls or 50.8 x 61cm (20 x 24") pre-cut sheets. Rolls are easily cut with scissors while roll is retained in dispenser. 50 ft. roll in dispenser carton (6 cartons per case) or box of 100 sheets.



CATALOG NO.	DESCRIPTION
F24675-0000	White 50 ft. roll
F24675-1000	Safety Orange for biohazard designated use. 50 ft. roll
F24675-0020	Cut sheets, box of 100 - White
	50.8 x 61cm (20 x 24")



Covamat™ Clear Liner

Versatile Clear Lining Material

Clear polyethylene ribbed matting can be used for lining laboratory tables, shelves, trays, etc. It is easily trimmed with scissors and also works well under drums or carboys. 0.25mm (0.010") with 0.7mm (0.030") thick ribs, 76cm (30") wide x 15.2 meter (50ft). 1 roll per box, 6 boxes per case.



Microscope Covers

Vikem® Vinyl - Assorted Sizes to Fit Your Needs

These transparent Vikem® vinyl covers protect your valuable microscopes, balances and other instruments from dust and spills. Simply slide the cover over the instrument when it is not in use. Available in three standard sizes. Custom sizes to fit other sizes and instruments available by special order. Per each.



CATALOG NO.	SIZE
F24301-0000	Standard size
	33 bottom x 23 top x 42cm H (13 x 9 x 16½")
F24303-0000	Large size
	41 bottom x 28 top x 46cm H (16 x 11 x 18")
F24304-0000	Extra Large size
	46 bottom x 38 top x 56cm H (18 x 15 x 22")



Piezo Electric Gas Lighter

Don't Play with Matches!

Just what you need for safely lighting Bunsen burners, gas stoves, propane or oxy-acetylene torches. Requiring no batteries or fuel refills, the Piezo Electric Gas Lighter has a comfortable plastic pistol-grip with a push-button trigger that creates an electrical spark (not a flame) at 20Kv with each squeeze. Length is 26.5cm (10¾6") and weight is 88 gm (3.1 ounce).

CATALOG NO.

H15056-0000

Tubing Sizer - Metric Gauge

Stop Guessing...Know What Size You Need

A handy metric diameter gauge that will end doubt about inside or outside diameters. The gauge measures glass and plastic tubing, connecting pieces, rods, test tubes, etc. between 1.5 and 16mm. Holes on one side measure O.D.; pins on the other side measure I.D. Keep one with your tubing and one with your test tubes, centrifugation tubes and adaptors. Made of polypropylene, the gauge is autoclavable at 121°C (250°F)







CATALOG NO.

F13390-0000

See Tubing Section, On Pages 418-425



Stopper/Tubing Sizer

Easy to Use...Keep Them Near Your Labware for Fast Reference

Handy Stopper / Tubing Sizer easily determines the correct size of the cork or stopper needed for any flask, bottle, etc. Insert the thin triangular gauge into the vessel and the correct stopper size is read at the top of the neck. Two scales are provided: one for rubber and vinyl stoppers and the other for corks. The back side is a circular scale to size tubing outside diameters between 4 and 52mm. 15.6cm L x 6.6cm W (6½ x 2%") wide at the top. Tubing and flask not included. **Per each, 12 per case.**

CATALOG NO.

F13392-0000

For a Full Line of Safe-Lab™ Teflon® Stoppers, See Pages 400-405



Calipers

Precision Instruments for All Caliper Applications. Metric and English Scales.

Molded in rigid plastic which won't scratch like metal, these calipers are non-conducting, corrosion resistant, and lightweight in the hand for easy handling.

A. Vernier Calipers

Vernier calipers can be used to measure internal and external dimensions with utmost precision. Precise measurements can be made with the fine adjustment thumb roller, and reading scales create no parallax. Parallel jaws are 40mm (1½") deep. Inside jaws and round plastic rod depth gauge provide added value. Upper scale is 150 mm with 0.1mm subdivisions, lower scale is 6 inches with 0.005" subdivisions



B. Dial Calipers

Dial type calipers measure up to 150mm in 0.1mm increments. A 33mm (1.3") diameter dial is rotatable beneath the pointer allowing for 'differential' measurements. Black numbers on a white background afford effortless readability.



C. Digi-Max™ Slide Caliper with LCD Readout

Take measurements with speed and ease using the Digi-Max™ digital slide caliper. The LCD display immediately indicates the exact measurement taken with push button selection between metric and



English scales and a self-zeroing feature for accuracy of ± 0.1 mm (0.004"). Metric scale to 150mm and English scale to 6". A long life battery is included and is easily accessible for replacement. On/Off button preserves battery life. Supplied in a protective plastic case.

A. H13415-0000 Vernier Calipers Metric/English 22.2cm (8¾") B. H13416-0001 Dial Calipers Metric Only 22.2cm (8¾") C. H13417-0000 Digi_Max™ CD Calipers Metric/English 22.4cm (8¾")	CATALOG NO.	DESCRIPTION	SCALE	OVERALL LENGTH
	A. H13415-0000	Vernier Calipers	Metric/English	22.2cm (8¾")
C H13417-0000 Digi-May™ I CD Caliners Metric/English 22.4cm (813/c")	B. H13416-0001	Dial Calipers	Metric Only	22.2cm (8¾")
6.1115411-0000 Digi-wax EOD Gampers Wichig English 22.4cm (0.7%)	C. H13417-0000	Digi-Max™ LCD Calipers	Metric/English	22.4cm (8 ¹³ / ₁₆ ")



Evaporating Dish

Doubles As a Weighing Dish

Smooth polypropylene dish with easy pour spout. Useful for titration and evaporation, the dish resists acids and alkalis and is autoclavable at 121°C (250°F). Can also be used as a reusable weighing dish. 10cm diameter x 4.2cm deep; holds up to 175ml. 6 per bag, 12 bags per case.

CATALOG NO. *F40925-0000*





Fritware® Porous Polyethylene Sheets

Pre-sized Sheets for Your Specific Applications

High-density polyethylene sheets are supplied in medium or coarse porosity. The medium porosity style has an average pore size of 70 microns, and the coarse porosity style averages 110 microns. Fritware® sheets can be cut, sawed, formed, machined and welded to fabricate special items made partly or wholly of this porous material. **Per sheet.**



CATALOG NO.	THICKNESS	SIZE	POROSITY	MICRONS	
H13638-0018	3.2mm (½")	91 x 91cm (36 x 36")	Medium	45-90	
H13638-0514	6.4mm (¼")	46 x 46cm (18 x 18")	Medium	45-90	
H13638-0518	3.2mm (1/8")	46 x 46cm (18 x 18")	Medium	45-90	
H13638-5116	1.6mm (1/16")	46 x 46cm (18 x 18")	Medium	45-90	
H13639-0518	3.2mm (1/8")	46 x 46cm (18 x 18")	Coarse	90-130	

Fritware® Porous Rods

High-Density Polyethylene

Porous one foot polyethylene rods can withstand temperatures up to 93°C (200°F). Coarse grade porosity with an average pore size of 110 microns. **Per each, 6 rods of one size per case.**





CATALOG NO.	DIAMETER	LENGTH	MICRONS	
F13635-0012	12.7mm (½")	30.5cm (12")	40-70	
F13635-0014	6.35mm (1/4")	30.5cm (12")	30-75	



Gas Washing Bottle with Fritware® Dispersion Disc

Practical and Economical

Graduated 250ml polypropylene cylinder with a stable extended base for use in precipitating elements from gas. Gas is dispersed through a removable fitting that has a coarse grade porosity, polyethylene dispersion disc. The silicone stopper holds 6.3mm (¼") O.D. tubes for entrance and exit of gas. 0.5 psi maximum pressure. **Per each,** 6 per case.

CATALOG NO. *H11030-0000*

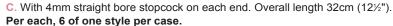


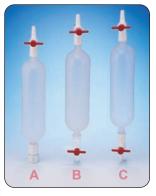
Gas Sampling Bulbs, 250cc

Hemispherical Ends for Smooth Gas Flow

Polypropylene gas sampling bulbs have polypropylene stopcocks with free-turning Teflon® PTFE plugs. Ends accept 6.4 to 9.5mm (¼ to ¾") I.D. tubing. Tube body is 5.1cm (2") O.D. x 22.2cm (8¾") long. Stopcocks are 6.4cm (2½") long. Maximum recommended pressure is 15 psi.

- A. With 4mm straight bore stopcock on one end and silicone rubber septum mounted in screw fitting on the other end. Septum can withstand several injections. 6 septa included. Overall length 29cm (11¹⁵/₁₆").
- B. With 4mm straight bore stopcock on one end and 4mm 3-way stopcock on the other end. 3-way stopcock permits exit of gas to two points. Overall length 32cm (12½").







CATALOG NO.	
A. F19955-0000	
B . F19957-0000	
C. F19953-0000	



Gas Dispersion Tube

Features Fritware® Porous Polyethylene Disc

High-density polyethylene bell-mouthed fitting with a sealed-in, coarse porosity polyethylene disc at the large end results in smaller bubbles. A 30.5cm long (12") x 6.35mm ID (¼") low-density polyethylene tube is fitted to the other end and is suitable for insertion into small openings. O.D. of bell is 2.54cm (1"). 4 per bag, 6 bags per case.



CATALOG NO.

F13691-0000

Vacuum Traps

Vacuum trap and cap are made from corrosion and chemical-resistant polypropylene to provide ideal protection of vacuum sources from contaminants. Tube volume is 100ml and measures 32 x 160mm long. The pressure-fitting cap features an inlet and outlet to fit 7.9mm (5/16") ID tubing. Autoclave-safe at 121°C (250°F). **6 per pack**.





CATALOG NO.	DESCRIPTION	
F19919-0000	Vacuum traps with caps, pack of 6	

Frigimat® Dry Ice Makers



Frigimat® Dry Ice Maker

Produce the Dry Ice You Need Right in the Lab

Eliminates the need to buy large quantities of dry ice when only a little is needed. It employs the Joule-Thomson effect to produce a solid 454gm (16 oz) block of dry ice in one to two minutes, and the block can be removed in just 30 seconds. A brass relief valve safely vents excess gas. Each 50lb. cylinder of liquid CO2 with a dip tube will make 8 or 9 blocks of dry ice, each measuring 8.5cm (3%") x 11cm (4%") long. Made of epoxy-coated steel with an aluminum ice chamber and brass valves with four non-skid rubber feet. Includes

a 1.8m (6 feet) nickel plated copper connecting tube with standard CGA 320 (0.830"-14) thread couplings for easy attachment to an LCO2 cylinder. Dimensions: 30 x 17 x 13cm (12 x $6\frac{1}{2}$ x 5") high. Shipping weight: 5.5kg (12 lbs).

CATALOG NO.	DESCRIPTION	
H38878-0010	Frigimat® Dry Ice Maker (U.S. Model)	
H38878-0012	Europe Model	
H38878-0013	Japan Model	

Economy Frigimat® Dry Ice Maker

Low-Density Polyethylene Chamber for Molding Dry Ice

Produces a solid 454gm (16 oz) block of dry ice in one to two minutes. Each 50lb. cylinder of liquid CO2 with a dip tube will make 8 or 9 blocks of dry ice measuring 9.2×10.4 cm long ($3\% \times 4$ "). The polyethylene ice chamber is held in place by a metal clamping mechanism, and a porous



polyethylene diffusion plate vents excess gas. Also features a built-in gas pressure gauge and relief valve. The epoxy-coated steel frame has four non-skid rubber feet to prevent sliding. Includes a 1.8m (6 ft) nickel plated copper connecting tube with standard CGA 320 (0.830"-14) thread couplings for easy attachment to a LCO2 cylinder. Overall dimensions are $37 \times 14 \times 15 \text{cm} \text{ H}$ ($14\frac{3}{4} \times 5\frac{1}{2} \times 6\text{"H}$) with a shipping weight of 3.9kg (8.5 lbs).

Economy Frigimat® Dry Ice Maker (U.S. Model)
Europe Model
Japan Model

Magic Touch™ Ice Buckets, Pans & Racks, See Pages 184-187



NEW PRODUCT!

Frigimat® Cub - Dry Ice Maker

Economical Block Dry Ice Maker for On-Demand Use

U.S. Patent 7,386,995 B2

This compact device saves the time and expense of receiving a dry ice delivery. Set-up and use is safe and simple. Can be attached to a liquid CO2 cylinder equipped with a dip tube to produce a ready-to-use 250 to 350 gram block of dry ice in only a few minutes. Each 50lb. cylinder makes from 10-16 blocks of dry ice. Dry ice production can be viewed through the transparent polycarbonate body that secures without clamps, screws or tools ensuring easy removal of the solid block of dry ice and disconnection from the CO2 cylinder. The lightweight body is never as cold as the dry ice, even when filled, allowing safe transport of the unit and contents when wearing appropriate gloves. A rugged nickel-plated "pigtail" connects it to the CO2 cylinder valve which is used to regulate gas flow. Operates at very low pressure (displayed on the built-in dial gauge) and incorporates multiple pressure relief safeguards. Includes a 1.8m (6ft) nickel-plated copper connecting tube with standard CGA 320 thread coupling for easy attachment to a LCO2 cylinder.





CATALOG NO.

F38874-0000



Frigimat® Junior Dry Ice Maker

Produces Dry Ice in Flake or Snow Form

Dry ice flakes are useful for packing around irregularly shaped items and are easily produced as needed with the Frigimat® Junior Dry Ice Maker. A brass nozzle screws onto any liquid LCO2 cylinder equipped with a dip tube. When the cylinder valve is opened about ¾ turn, LCO2 expands into the bag to create dry ice snow. The valve is then closed and the bag is ready to be removed and emptied. Makes .77kg (1.7 lb) of flakes per bag. The unit cone is 13cm (5") long x 5.1cm (2") diameter at end. The bag is 15W x 30cm L (6W x 12"L). Shipping weight 0.54kg (1.2 lbs). 12 per case.

CATALOG NO.	DESCRIPTION
F38886-0000	Frigimat® Junior Dry Ice Maker (U.S. Model)
F38886-0002	Europe Model
F38886-0003	Japan Model
F38886-0001	Extra Bags (pack of 3)