

MANUALE D'ISTRUZIONI OPERATOR'S MANUAL CARNET D'INSTRUCTIONS GEBRAUCHSANWEISUNG MANUAL DE INSTRUCCIONES

FBM L/LS

ESPAÑOL

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1 TECHNICAL CHARACTERISTICS

		FBM1	FBM1F	FBM2	FBM3
Transparent removable bowls	n	1	1	2	3
Capacity of each bowl, approx.	Ι	10	10	10	10
Dimensions:					
width	cm	18	28	36	54
depth	cm	47	47	47	47
height	cm	69	69	69	69
Net weight, approx.	kg	26	26	37	49
Gross weight, approx.	kg	29	29	40	54
Adjustable thermostats	n	1	1	2	3
Hermetic compressor					
Air-cooled condenser					
Overload protector					

Safety pressure switch

Noise level lower than 70 dB (A)

> IMPORTANT

Read electrical ratings written on the data plate of the individual units; the data plate is adhered on the dispensing side panel of the unit, just behind the drip tray (the right side drip tray in multiple bowl models). The serial number of the unit (preceded by the symbol #) is adhered inside the left switch box. Data plate specifications will always supersede the information in this manual.

The electric diagram of the dispenser is located in the inner part of the dispensing side panel.

Specifications are subject to change without notice.

2 INTRODUCTION

Please read all sections of this manual thoroughly to familiarize yourself with all aspects of the unit.

Like all mechanical products, this machine will require cleaning and maintenance. Besides, dispenser working can be compromised by operator's mistakes during disassembly and cleaning. It is strongly recommended that personnel responsible for the equipment's daily operations, disassembly, cleaning, sanitizing and assembly, go through these procedures in order to be properly trained and to make sure that no misunderstandings exist.

3 INSTALLATION

 Remove the corrugate container and packing materials and keep them for possible future use.

MPORTANT

When handling the machine never grasp it by the bowls or by the evaporator cylinders. The manufacturer refuses all responsibilities for possible damages which may occur through incorrect handling.

- 2 Inspect the uncrated unit for any possible damage. If damage is found, call the delivering carrier immediately to file a claim.
- 3 Install the unit on a counter top that will support the combined weight of dispenser and product bearing in mind what is stated in the preceding point 1 IMPORTANT warning.
- 4 A minimum of 15 cm (6) of free air space all around the unit should be allowed to guarantee adequate ventilation.
- 5 Ensure that the legs are screwed tightly into the base of the machine.

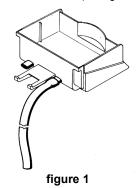
Replace the standard legs originally installed with the 100 mm (4) legs whenever they are provided with the unit.

6 - Before plugging the unit in, check if the voltage is the same as that indicated on the data plate. Plug the unit into a grounded, protected single phase electrical supply according to the applicable electrical codes and the specifications of your machine. When the unit has no plug, install a proper grounded plug, in compliance with electrical codes in force in your area, suitable to at least 10 Amp 250 Volt (220-230 Volts 50-60 Hz areas) and 20 Amp 250 Volt (100-115 Volts 50-60 Hz areas) applications. Should you prefer to connect the unit directly to the mains, connect the supply cord to a 2-pole wall breaker, whose contact opening is at least 3 mm. Do not use extension cords.

ATTENTION

Failure to provide proper electrical ground according to applicable electrical codes could result in serious shock hazard.

7 - Each drip tray has two diaphragm plugs: if a continuous drain is needed, perforate one of the drain plugs and connect it to a flexible drain line (see figure 1).



8 - The unit doesn't come presanitized from the factory. Before serving products, the dispenser must be disassembled, cleaned and sanitized according to this handbook instructions (chapter 5.3 CLEANING AND SANITAZING PROCEDURES).

4 TO OPERATE SAFELY

- 1 **Do not** operate the dispenser without reading this operator's manual.
- 2 **Do not** operate the dispenser unless it is properly grounded.
- 3 **Do not** use extension cords to connect the dispenser.
- 4 **Do not** operate the dispenser unless all panels are restrained with screws.
- 5 Do not obstruct air intake and discharge openings: 15 cm
 (6) minimum air space all around the dispenser.
- 6 **Do not** put objects or fingers in panels louvers and faucet outlet.
- 7 **Do not** remove bowls, augers and panels for cleaning or

routine maintenance unless the dispenser is disconnected from its power source.

5 OPERATING PROCEDURES

- Clean and sanitize the unit according to the instructions in this manual. See chapter 5.3 CLEANING AND SANITIZING PROCEDURES.
- 2 Fill the bowls with product to the maximum level mark. Do not overfill.

The exact quantity of product (expressed as liters and gallons) is shown by marks on the bowl.

- 3 In case of products to be diluted with water, pour water into bowl first, then add correct quantity of product. In case of natural squashes, it is advisable to strain them, in order to prevent pulps from obstructing the faucet outlet.
- 4 To obtain the best performance and result, use bases designed to be run in Granita freezers. Such bases have a sugar content of 34 degrees Baum? corresponding to 64 degrees Brix.

For soft drinks the bases are to be diluted with more water, on a 1 plus 5/5.5 basis.

In any case follow the syrup manufacturer's instructions for both Granita and soft drink recipes.

If natural juices (e.g. lemon, orange) as well as sugarless products (e.g. coffee) are used, dissolve 150 - 200 grams of sugar per liter.



However Granita mix may be done, its Brix (sugar percent content) must be at least 13.

5 - Install the covers and check that they are correctly placed over the bowls. There must be a correct electrical connection between the bowl and the cover.

> IMPORTANT

For LS models only: if the covers are not correctly installed the unit does not run, the mixer does not rotate and the refrigerator is switched off.

- 6 Set the control switches as shown in chapter 5.1 DESCRIPTION OF CONTROLS.
- 7 Always leave the dispenser on, as the refrigeration stops automatically when Granita reaches the proper thickness. The mixers will continue to turn.

5. 1 DESCRIPTION OF CONTROLS

The dispenser is equipped with a power switch and a light switch. In addition each bowl is individually operated by a mixer/refrigeration switch. In fact it is possible to dispense both soft drinks and Granita.

When a bowl is in Soft Drink mode the beverage temperature is controlled by the corresponding thermostat.

When a bowl is in Granita mode the mix viscosity is controlled by the corresponding adjustment screw located in the rear wall of each container (for temperature and viscosity setting make reference to chapter 5.2 OPERATION HELPFUL HINTS). All the switches are located on the faucet side of the dispenser in switch panels protected by switch covers (see figure 2).

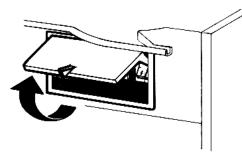


figure 2

In addition all the models except FBM 1 are equipped with an automatic safety pressure switch to prevent damages to the compressor. The lighting of the warning light at the left of the switch covers means insufficient ventilation of the unit. In this case check that all around the dispenser there is sufficient space for ventilation, at least 15 cm (6) on each side and that condenser filter is free from dust or other obstructions.

In case the warning light is still ON even after these operations have been carried out, Service call is required.

With reference to figure 3 dispenser controls functions are as follows:

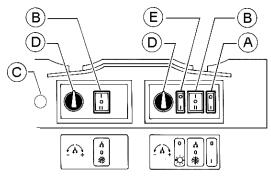


figure 3

Power switch (A)

- 0 position
 :
 power is turned OFF to all functions.

 I position
 :
 power is turned ON to all functions and the other switches are enabled. The fan motor runs.

 Light switch (E)
 0
 position
 :
 all top cover lights are OFF.

 I position
 :
 all top cover lights are ON, provided that power switch (A) is set to I.

 Mixer/refrigeration switch (B)
- I position
 :
 mixer and refrigeration ON. SOFT DRINK mode.

 0 position
 :
 OFF.

 II position
 :
 mixer and refrigeration ON. GRANITA mode.

Thermostat (D)

Turn clockwise	: to decrease temperature
Turn counterclockwise	: to increase temperature

Safety pressure switch warning light (C)

Warning light ON : insufficient ventilation

- To operate the unit:
- 1 Set the power switch to I position.
- 2 Set the mixer/refrigeration switches as follows: to the I position to get soft drink.
 - to the II position to get Granita.
- 3 Set the light switch to I position.

5. 2 OPERATION HELPFUL HINTS

- 1 Granita viscosity adjustment: proper Granita viscosity is factory preset. To change the viscosity, if needed, use a standard screwdriver to turn the adjustment screw located in the rear wall of each container as follows (see figure 4): - towards right (clockwise) to obtain a thicker product (the
 - indicator F will go down in opening G).
 - towards left (counterclockwise) to obtain a thinner product (the indicator F will go up in opening G).

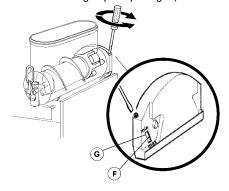


figure 4

2 - Beverage temperature adjustment: proper beverage temperature is factory preset. To reset, turn the knob located in each switch box as follows:

 towards right (clockwise) to decrease temperature. - towards left (counterclockwise) to increase temperature. Note: beverage temperature is controlled by the thermostat only when the mixer/refrigeration switch(es) are in I position, Soft Drink mode.

- 3 The length of time for freeze down of Granita is governed by many variables, such as ambient temperature, mix initial temperature, sugar content (Brix level) and viscosity settina.
- 4 To shorten Granita recovery time and increase productivity, it is advisable to pre-chill the product to be
- 5 To shorten Granita recovery time and increase productivity, the bowl should be refilled after the product level drops lower than half of the evaporator cylinder and at the start of each day.
- 6 For good product conservation the dispenser must run overnight, at least in Soft Drink mode. If this is not possible and product is left in the bowls overnight, the mixer/refrigeration switches must be set to the I position at least one hour before the unit is switched off. This eliminates any block of iced product forming overnight, which could result in damage to mixers or to their motor when the unit is switched back on. In any case, before the unit is restarted, make sure that no blocks of ice have been formed; if so, they are to be removed before the unit is switched on. Overnight operation in drink mode also eliminates possible ice accumulation from condensation all around the bowls.
- 7 Mixers must not be turned off when frozen product is in the bowl: if not agitated, the product may freeze to a solid block of ice. If the mixers are turned back on in this

situation, damage to the mixers and their motor may result. Therefore, mixers may be restarted only after product is melted.

8 - The dispenser is equipped with a magnetic coupling by which the gear motor (located outside the bowl) drives the mixers (inside the bowl).

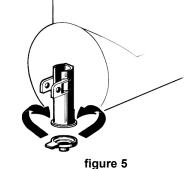
The magnetic drive operates as an "intelligent clutch" able to automatically disconnect the mixers in case they are seized by ice or other causes.

This inconvenience can be soon noticed since an intermittent dull noise warns that mixers are still. In this case it is necessary to unplug immediately the dispenser, empty the bowl and eliminate the cause of

- seiżina 9 - The dispenser must be able to emit heat.
 - In case it seems excessive, check that no heating source is close to the unit and air flow through the slotted panels is not obstructed by wall or boxes. Allow at least 15 cm (6) of free clearance all around the dispenser.

In any case if the product in the bowls is frozen and the pressure switch warning light is OFF the unit is running properly.

10 -Restrictor cap: when the unit is used in Soft Drink mode it is advisable to install the drink outflow (see figure 5).



5. 3 CLEANING AND SANITIZING PROCEDURES

- 1 Cleaning and sanitizing of the dispenser are recommended to guarantee the conservation of the best product taste and the highest unit efficiency. This section is a procedural guideline only and is subject to the requirements of the local Health Authorities.
- 2 Prior to the disassembly and cleaning, the machine must be emptied of product. To do this proceed as follows:
 set the power switch to I position
 - set mixer/refrigeration switch(es) to I position (Soft Drink mode)

place a pail under each faucet and drain all product from bowls

set all control switches to the 0 position

5. 3. 1 DISASSEMBLY

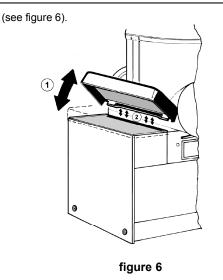


Before any disassembly and/or cleaning procedure make sure that the dispenser is disconnected from its power source by unplugging it or switching off the 2pole wall breaker.

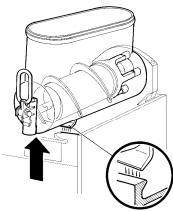
1 - Remove cover from the bowl.

2 - On FBM 1P model remove the lateral tray by lifting its outer side up and off the hook located on the opposite side

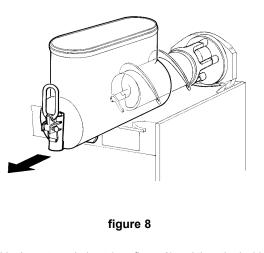
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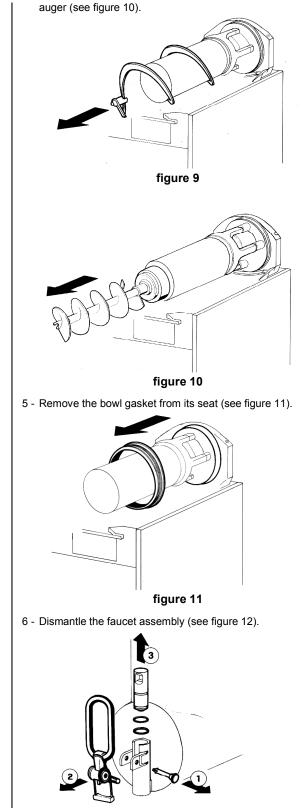
3 - Remove the bowl by lifting its faucet side up and off the fastening hooks (see figure 7) and slide it out (see figure 8).

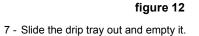


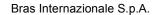




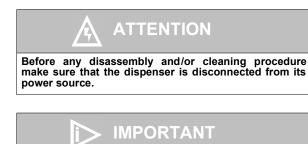
4 - Slide the outer spiral out (see figure 9) and then the inside 7 - SI







5. 3. 2 CLEANING



Do not attempt to wash any machine components in a dishwasher.

1 - Prepare at least two gallons of a mild cleaning solution of warm (45-60 蚓 120-140 蚌) potable water and dishwashing detergent. Do not use abrasive detergent. Important: if present, follow label directions, as too strong a solution can cause parts damage, while too mild a solution will not provide adequate cleaning.



In order to prevent any damages to the dispenser use only a detergent suitable with plastics parts.

2 - Using a brush, suitable for the purpose, thoroughly clean all disassembled parts in the cleaning solution.

ATTENTION

When cleaning the machine, do not allow excessive amounts of water around the electrically operated components of the unit. Electrical shock or damage to the machine may result.

- 3 Do not immerse the lighted top covers in liquid. Wash them apart with the cleaning solution. Carefully clean their undersides.
- 4 In the same manner clean the evaporator cylinder(s) using a soft bristle brush.
- 5 Rinse all cleaned parts with cool clean water.

5.3.3 SANITIZING

Sanitizing should be performed immediately prior to starting the machine. Do not allow the unit to sit for extended periods of time after sanitization.

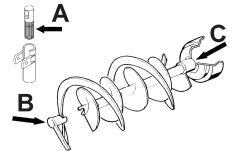
- 1 Wash hands with a suitable antibacterial soap
- Prepare at least two gallons of a warm (45-60 蚓 120-140 蚌) sanitizing solution (100 PPM available chlorine concentration or 1 spoon of sodium hypoclorite diluted with two litres of water) according to your local Health Codes and manufacturer's specifications.
- 3 Place the parts in the sanitizing solution for five minutes.
- 4 Do not immerse the lighted top covers in liquid. Carefully wash their undersides with the sanitizing solution.
- 5 Place the sanitized parts on a clean dry surface to air dry.
- 6 Wipe clean all exterior surfaces of the unit. Do not use abrasive cleaner.

5. 3. 4 ASSEMBLY

1 - Slide the drip tray into place.

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2 - Lubricate faucet piston, inside auger and outer spiral (see points A, B and C of figure 13) only with the grease supplied by the manufacturer or other **food grade approved** lubricant.



ENGLISH

figure 13

- 3 Assemble the faucet by reversing the disassembly steps (see figure 12)
- 4 Fit bowl gasket around its seat. Note: the largest brim of gasket must face against the rear wall (see figure 14).

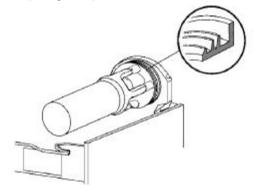
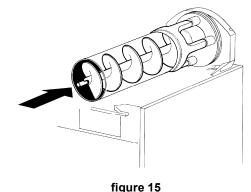
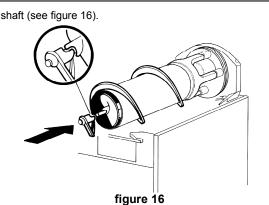


figure 14

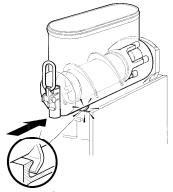
5 - Insert the auger into the evaporator taking care to accompany it to the end so as to prevent it from hitting against the rear wall (see figure 15).



6 - Install the outer spiral. Slide it over the evaporator until its front notch engages with the exposed end of the auger



7 - Push the bowl towards the rear wall of the unit until it fits snugly around the gasket and its front fastening hooks are properly engaged (see figure 17).





- 8 On FBM 1P model install the lateral tray by reversing the disassembly steps (see figure 6).
- 9 Use fresh product to chase any remaining sanitizer from the bottom of the bowl(s). Drain this solution. Do not rinse out the machine.

5. 4 IN-PLACE SANITIZATION

The In-Place Sanitization prior to starting the machine may be performed, if needed, only as further precaution, in addition to the Disassembled Parts Sanitization described before, but never in lieu of it.

- 1 Prepare two gallons of a warm (45-60 蚓, 120-140 蚌) to your local Health Codes and manufacturer's specifications.
- 2 Pour the solution into the bowl(s).
- 3 Using a brush suitable for the purpose, wipe the solution on all surfaces protruding above the solution-level and on the underside of the top cover(s).
- 4 Install the top cover(s) and operate the unit. Allow the solution to agitate for about two minutes. Drain the solution out of the bowl(s).
- 5 Use fresh product to chase any remaining sanitizer from the bottom of the bowl(s). Drain this solution. Do not rinse out the machine.

6 ROUTINE MAINTENANCE

- 1 Daily: inspect the machine for signs of product leaks past seals and gaskets. If proper assembly does not stop leaks around seals or gaskets, check for improper lubrication, worn or damaged parts. Replace parts as needed.
- 2 Monthly on FBM 1P, FBM 2 and FBM 3 models: remove

the dust from the condenser filter.

ATTENTION

Before any disassembly and/or cleaning procedure make sure that the dispenser is disconnected from its power source by unplugging it or switching off the 2pole wall breaker.

Remove the only left panel (from faucet side) unscrewing the two plastic coated screws (see figure 18).

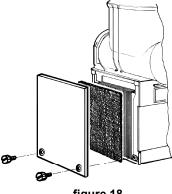


figure 18

ATTENTION

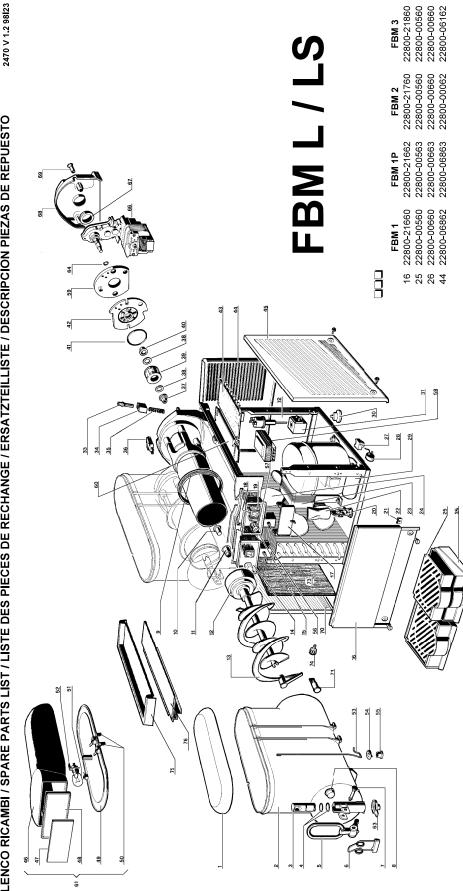
Condenser fins are very sharp. Use extreme caution when cleaning.

6. 1 MAINTENANCE (TO BE CARRIED OUT **BY QUALIFIED SERVICE PERSONNEL** ONLY)

- 1 Monthly on FBM 1 model: remove the dust from the condenser. To do this unplug the unit or switch off the 2pole wall breaker and then remove the panels
- 2 Annually: remove the panels and clean the inside of the machine including the base, side panels, condenser, etc.
- 3 When installed, the anti-splash filters inside the slotted panels must not be removed.
- 4 Never remove the insulating jacket from around the suction tubing of the evaporator (the copper tubing located on the right side of gear motor). In case the insulating jacket is missing replace the entire parts with original spare parts from the supplier.
- 5 In order to prevent any damages to the dispenser, all plastics parts must be lubricated only with grease supplied by the manufacturer or with another lubricating product suitable for polycarbonate.

IMPORTANT

The electric diagram of the dispenser is located in the inner part of the dispensing side panel.



Coperchio trasparente	Contenitore	Pistone per rubinetto	OR per pistone rubinetto	Leva rubinetto	Molla per leva rubinetto	Perno per leva rubinetto	Boccola di rasamento	Guarnizione per contenitore	Boccola frontale per spalla	Boccola per mescolatore interno	Mescolatore interno	Raschiatore esterno	Portainterruttori senza int. generale	Portainterruttori con int. generale	Pannello lato rubinetto
22800-23400	22800-17400	22800-14800	22800-15100	22800-14961	22800-15000	22800-22161	22800-23500	22800-17200	10028-02803	10028-02801	33800-08001	22800-16102	22800-16562	22800-16462	
-	2	ო	4	2	9	7	œ	ი	10	5	12	13	4	15	16

Rear wall front bushing Dispensing side panel Faucet handle spring Transparent cover Faucet handle pin Power switch box Faucet piston OR Faucet handle Thrust washer Auger bushing Faucet piston Bowl gasket Outer spiral Switch box Auger Bow

Boîte porte-interrupteurs Boîte porte-interrupteur général Panneau côté robinet Joint OR du piston du robinet Douille pour racloir intérieur Pivot pour levier de débit Ressort du livier de débit Couvercle transparent Joint du réservoire Douille extérieure Piston du robinet Racloir extérieur Racloir intérieur Levier de débit Réservoir Butée

Schaltergehäuse Schaltergehäuse mit Schalter Innere Schneckebüchse Äußere Schnecke Behälterdichtung Innere Schnecke Kolben fü Hahn O-ring für Hahn Äußere büchse Hanhn-Feder Zapfhebe Fixierstift Behälter Büchse Decke Front

Panel para interruptores Panel para interruptor general Panel lado grifo Buje para rascador interior Muelle de la palanca grifo Junta OR del pistón grifo Junta del contenedor Pivote de la palanca Arandela de empuje Rascador exterior Rascador interior Tapa trasparente Pistón del grifo Palanca grifo Buje exterior Contenedor

ELENCO RICAMBI / SPARE PARTS LIST / LISTE DES PIECES DE RECHANGE / ERSATZTEILLISTE / DESCRIPCION PIEZAS DE REPUESTO

00000	Sportello coprinterruttori Interruttore a 3 posizioni Interruttore a 2 posizioni Passabloccacavo	Switch panel cover 3-position switch Switch Terminal block with cable clamp	Couvercle boîte interrupteurs Interrupteur 3-positions Interrupteur Borne avec fixage du câble	Schalterabdeckung Umschalter Schalter Anschlußklemme m. Kabeleinfürung	Tapa panel interruptores Interruptor de 3 posiciones Interruptor Pasacable
5 8	Clip Protezione Motoro ventilatore	Clip Terminal block protection	Clip Protection borne Motorir contilateur	Clip Schutzkappe	Clip Protección pasacable Moter vomilador
	Ventola Ciarlia	Fan blade	Moteur ventulateur Hélice	Lüfterflügel Tfritter	Aspas
	ତାମୁଣାa cassetto Cassetto raccogligocce	Drip tray Drip tray	Couvercie uroir egouttoir Tiroir égouttoir Dalais	Tropfschale	кејша сајоп гесоде-догаs Cajón recoge-gotas
	salvamotore	relay Overload protector	relais Protège moteur	otari Freiais Klixon	reie Guardamotor
	Condensatore d'avviamento	Starting capacitor	Condensateur de démarrage	Startkondensator	Condensador de arranque
8	Piedino Bobina per elettrovalvola gas	Kubber leg Solenoid valve coil	Petit pied Bobine électrovanne	Justiefulše Magnetspule	Pie nivelador Bobine electrovàlvula
8	Vite di regolazione densità	Density adjustment screw	Vis de régulation densité	Regulierschraube	Tornillo regulador densidad
00 8	Blocchetto guidamolla Molla	Shaped nut Spring	Ecrou-guide du ressort Ressort	Führung für Feder Feder	Tuerca-guida del muelle Muelle
	Microinterruttore	vitch	Microinterrupteur	Mikroschalter	Microinterruptor
8 8	Boccola posteriore per spalla	Rear wall rear bushing	Douille intérieure	Innere büchse	Buje interior
85	ranella per rolore magnetico Rotore magnetico	Magnetic drive washer Magnetic drive	Ronaerie pour rotor interteure Rotoe intérieure	Innere Rotorscheide Innere Rotor	Alangeia para rotor interior Rotoe interior
	Boccola per flangia	Flange bushing	Douille pour brige	Flanschbüchse	Buje para brida
26	OR 3231 per flangia	Flange OR 3231	OR 3231 pour bride	O Ring 3231 für flansch	OR 3231para brida
2	rtarigia ui supporio moronautore Ritardatore elettronico	Gear moun nange Delav electronic device (PVVB)	Diride pour mouseducteur Circiut imprimé de contrôle	Motorunter setzungnansch Elektronik	Dira para mororeguccor Circuito electronico
	Pannello posteriore	Back panel	Panneau postérieur	Rückwand	Panel posterior
00 00	Pannello laterale destro	Right side panel	Panneau latéral droit Comordo écloiré (nortio cunor)	Seitenwand, rechts Dootol mit Bolouchtung //ˈhootoily	Tana con luz (curacion)
	copercino con jace (parte superiore) Fotografia	Lignica top cover (upper) Picture	Couvercie equire (paritie super.) Photo	Dia	Fotografia
60	Schermo	Picture screen	Porte-photo	Rahmen	Armazon
	Sottocoperchio	Lighted top cover (lower)	Fond du couvercle	Deckel-Unterteil	Fondo de la tapa
38	Contatto per luce Lampada 28V	1 op cover lignt contact 28V bulb	Contact pour eclairage couvercie Ampoule 28 V	Kontakt Birne 28 V	Contacto para luz Lampara 28 V
9	Portalampada	Bulb socket	Douille	Lampenhalter	Portalampara
83	Molla contatto elettrico coperchio	Light wire	Ressort de contact	Feder	Muelle para contacto luz
5 8	Gommino con contatto Anello di ancoraggio	Flexible contact Fixing ring	Joint avec contact Anneau de fixade	Kontakt Befestinungsring	Gomita con contacto Anillo de fijacón
88	Termostato	Thermostat	Thermostat	Thermostat	Termostato
00	Manopola termostato	Thermostat knob	Pommeau du thermostat	Drehknopf für Thermostat	Pomo para termostato
	Trasformatore	Transformer	Transformateur	Transformator	Transformador
Ŋ	Guarnizione anticongensa Supporto circuito stampato	Insulation roam PWB housing	Coucne d'Isolation Support du circuit imprimé	Isolationsscnaum Halter für Flektronik	Espuma alsiante Sonorte circuito electrónico
	Cappello con luce FBM L	Lighted top cover (assy.) FBM L	Couvercle eclairé (complet) FBM L	Deckel mit Beleuchtung, komplett FBM L	Tapa completa con luz FBM L
	Cappello con luce FBM LS	Lighted top cover (assy) FBM LS	Couvercle eclairé (complet) FBM LS	Deckel mit Beleuchtung, komplett FBM LS	
9 ¢	Restrittore di flusso OB per albero motoriduttore	Restrictor cap Central shaft OD	Réducteur du robinet Ioint "OD" nour artre moteur	Drosselkappe O ring für Zentralwelle	Tapa de restricción OB vara ele central
2	Motoriduttore	Gear motor	Motoréducteur	Getriebemotor	Motoreductor
	Boccola posteriore	Rear bushing	Douille postérieur	Büchse	Buje posterior
	Coperchio posteriore	Rear cover	Carter postérieur	Deckel	Tapa posterior Teamile de finatión de la facto
	vite di fissaggio Pannello leterale sinistro	Rear cover fixing screw Left side panel	Vis de fixation du carter Panneau latéral gauche	Scraube tur Deckel Seitenwand Tinks	l ornillo de Tijacion de la tapa Panel lateral izquierdo
	Lampada spia	Warning light	Témoin	Warnlampe	Lamparila
83	Pressostato di sicurezza	Safety pressure switch	Pressostat de sùreté	Sicherheitdruckschalter	Limitador de presión de seguritadad
ິ ຄິ ຜິ	⊢ıltro condensatore Vite di fissaααio pannello	Congenser tilter Panel fixing screw	Filtre du congenseur Vis de fixation du panneau	Kondensatorriiter Scraube für seitenwand	Filtro del condensador Tornillo fijación panel lateral
30	Vassoio FBM 1P	Tray for FBM 1P	Plateau pour FBM 1P	Tablett für FBM 1P	Bandeja para FBM 1P
8	Pannello superiore FBM 1P	Upper panel for FBM 1P	Panneau supérieur pour FBM 1P	Oberwand für FBM 1P	Panel superior para FBM 1P
	Ordinare con sigla riportata sul pezzo	Please order what printed on piece	Mentionner indicatif imprimé sur la bièce	Diese Teile bitte anhand der aufredruckten Nummern bestellen	Pedir com la identificación marcada en la niaza
	Vedere tabella	See table	prece Voir tableau	augeuruchten nummen bestellen Siehe Tabelle	la pieza Ver tabla
	Vedere tabella nella pagina seguente	See next page table	Voir tableau page suivante	Siehe Tabelle nächsten Seite	Ver tabla página siguiente

115V 60HZ 220V 60HZ 220V 60HZ MOD. 33800-06911 33800-06910 43 FBM 3LS 33800-06002 33800-00600 58 FBM 1/1PL/LS 22800-13200 22800-13200 58 FBM 3L/LS	115V 60HZ 220V 60HZ 43 33800-06911 33800-06910 43 33800-06602 33800-06600 58 33800-016602 33800-013200 58 32800-13200 22800-13200 58 322800-13200 25800-13200 58
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230V 50HZ 33800-06910 33800-00600 21488-00000 21800-13200	
	MOD. FBM 1L/LS FBM 1P/2/3L/LS FBM 1P/L/LS FBM 1P/L/LS

MOTORIDUTTORE / GEAR MOTOR / MOTOREDUCTEUR / MOTORUNTERSETZUNG / MOTORREDUCTOR

2

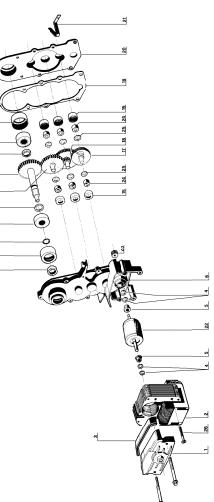
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Ponticello completo di boccola Statore	Guarnizione di protezione statore	Kanelle Distanziale rotore	Scatola completa di boccola	Anello di tenuta	Calotta porta cuscinetto Ø 28 mm	OR per albero centrale	Cuscinetto Ø 28 mm	Distanziale spessore 1,5 mm	Terza ruota dentata	Quarta ruota dentata	Distanziale spessore 3,3 mm	Calotta porta boccola	Prima ruota dentata	Seconda ruota dentata	Guarnizione	Coperchio	Molla di comando	Rotore	Pignone	Bussola	Ranella di rasamento	Vite fissaggio rotore	
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22800-22651	10028-03213	10028-03201 10028-03200	33800-03802	22800-22615	10028-03216	10028-03217	22800-22613	10028-03202	22800-22611	22800-22650	10028-03203	10028-03215	22800-22639	22800-22640	10028-03214	22800-22642	10028-03206	22800-22602	22800-22634	10028-03204	10028-03205	10540-13532	
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stator protection gasket stator protection gasket Nasher Vasher Stotor spacer Sear box with bushing Beal retain with bushing Beal retain 0, 28 mm all bearing 0, 28 mm Jam spacer all bearing 0, 28 mm Jind gear Sant gear Satt ge
3racket screw 230V 50HZ
22800-22500

cap

115V 60HZ 22800-22501 Entretoise du roto Boîte du réducteur avec coussinet Anneau d'étanchéité Calotte pour roulement à billes Ressort puor microinterrupteur Joint OR pour arbre moteur Roulement à billes Ø 28 Entretoise 1,5 mm Joint protection du stator Support avec coussinet Stator Troisième engrenage Quatrième engrenage Entretoise 3,3 mm Calotte pour coussinet Deuxième engrenage Carter du réducteur Premier engrenage Pignon Coussinet Rondelle Vis du stator 240V 50HZ 22800-22503 Rondelle Rotor Joint

Vorderes Lager Stator Stator Scheibe Büchse Büchse Gehäuse mit Lager Gehäuse mit Lager Scheibe 1,5 mm 3 a Zahnard 4 a Zahnard 4 a Zahnard 5 a Zahnard

Soporte con buje Estator Junta de la cobertura estador Arandella Distancial del rotor Distancial del rotor Distancial de retención Tapa de goma para cojinete OR para eje central Cojinete de bolas Ø 28 Distancial 1,5 mm. Tapa de goma para buje Distancial 3,3 mm. Tapa de goma para buje Primero engranaje Distancial 3,3 mm. Tapa de la caja reductor Muelle para microinterruptor Rotor Rotor Buje Arandela Tomillo del estador



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