

GIRBAU

LAUNDRY EQUIPMENT

WASHER EXTRACTORS MS 6 SERIES Medium speed



MS-610 · MS-613 · MS-617 · MS-623

MS 6 SERIES, WHEN INNOVATION AND EXPERIENCE ACHIEVE THE BEST RESULTS

The MS 6 series is proof that, speaking from 40 years of experience, innovation has always given positive results. In addition to the renowned prestige and strength of the Girbau LS washer extractors, there are the latest technological advances and infinite features that allow each user to find a particular solution.



HARD MOUNT MEDIUM SPEED WASHERS WITHOUT NOISE OR VIBRATIONS

Girbau's hard mount MS 6 series washers reach spin speeds of up to 600rpm (between 108 and 141 G depending on the model). Maximum spin speed is achieved without either noise or vibrations.

These machines must be bolted down onto a concrete base or a suitable solid floor.

To guarantee the best mechanical action, Girbau has investigated the optimum ratio between the diameter of the drum and its depth as well as made an analysis of the shovel action to ensure the maximum amount of dirt is removed.

The *Aquafall* system has also been incorporated into 6 series washers. Holes in the drum shovels allow additional water to enter like a waterfall, making rinsing possible with less water and a consequential saving not only in water but energy and products.



OPTIMUM DOSING FOR THE BEST FABRIC CARE

The 6 series incorporates a new dosing design with four compartments (two for powder and two for liquid products).

The water inlets and dosing are concentrated in a collector that is also used for laundry steam exhaust. The products are always diluted beforehand in the collector, avoiding direct contact with the linen.

Washer extractors use four external dispensers.

AQUAMIXER

OPTIMUM TIME AND TEMPERATURE MANAGEMENT

Considerable improvements have been made as regards time and temperature management.

The *Aquamixer* system, a hot and cold water mixer, obtains very precise bath temperatures.

Once the wash cycle finishes, the machine stops and the door opens immediately, this together with a good sized drain are additional features which contribute towards improved time management.

GDRIVE

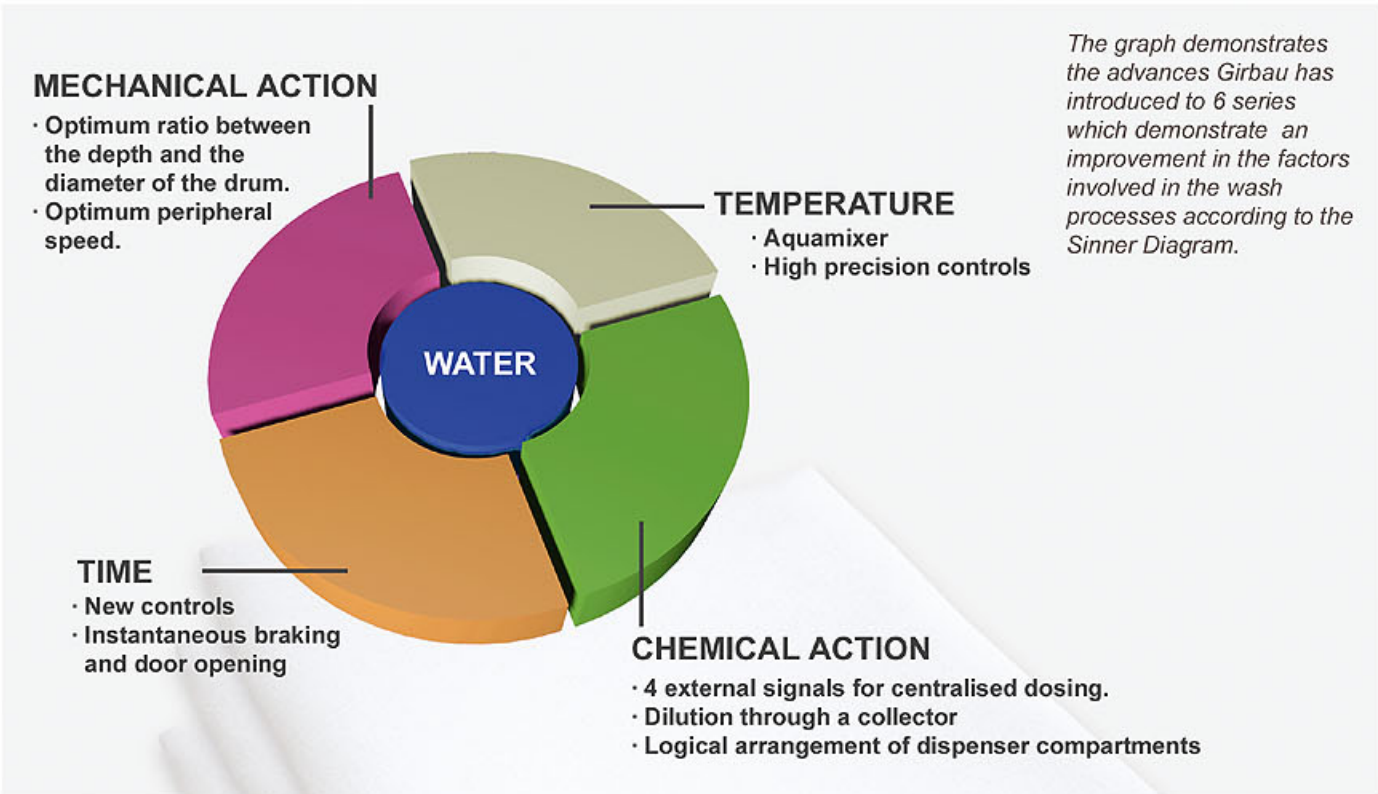
The electronic *GDrive* system also considerably improves control as well as guarantees the best treatment for each textile. With the connection of the washer's microprocessor and the Inverter it is possible to:

- Up to six rotation speeds with a single motor
- Optimal management of the spin cycle
- Important energy savings
- Out of balance automated load adjustment
- Significant reduction in noise, vibration and fatigue of the washing machine components.



KEYS TO ACHIEVING THE BEST WASH PERFORMANCE

In order to have the best washers with the best wash performance, Girbau have introduced various improvements to all aspects of the process: mechanical action, chemical action, time and temperature.



OPTIMAL FEATURES FOR MAXIMISING PRODUCTIVITY AND PROFITABILITY

The robustness, reliability and versatility of MS 6 series machines guarantee the best return on your investment.

RUGGED AND ERGONOMIC DESIGN

The 6 series washers extractors are made to last. All metallic parts which come into contact with the wash are in AISI-304 L stainless steel. Oversized drum supports and bearing housings, along with a quality sealing system.

The strictest ergonomic criteria have been kept in mind during the design stage.

The large-sized door allows you to load and unload very easily. A well designed opening system, with a non-turning handle, permits the door to be opened with minimum effort.



THE STRENGTH AND DELICACY OF A QUALITY DRUM

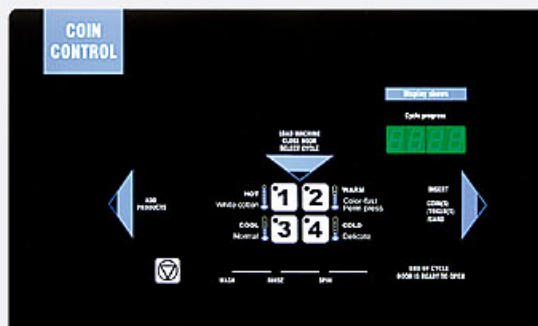
You only have to open the door of any Girbau washing machine to realize that although it has been in service for many years, the drum is in perfect condition.

Together with the excellent treatment that the clothes receive, the prestige that Girbau drums enjoy is guaranteed by constructive characteristics (without weldings) that bestow it with great strength and durability.

A PROGRAM FOR EACH USER

The MS 6 series is available with two control versions that allow you to respond to any washing need. The new generation COIN and LOGI controls have made an enormous contribution to optimising all the processes in MS washers.

COIN



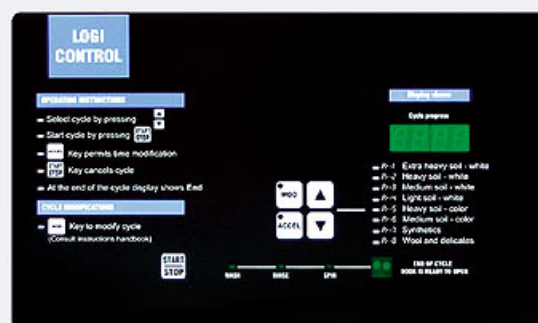
COIN

Suitable for coin-op establishments. It has 4 individually modifiable, phase-to-phase programs (up to 6 phases per program). Pay system with coins, tokens or card. Failure check and alarm messages system.

The clock option allows you to program prices according to the time of day and program.

Light indicators guide the user step by step until the washing machine starts.

LOGI



LOGI

Suitable for commercial laundries. It has 8 individually modifiable, phase-to-phase programs (up to 9 phases per program).

The new LOGI control allows you to modify the programs in an individualized way, providing many more possibilities for adapting the machine action according to the type of fabric to be treated.

The clock option allows you to program the desired start time.

It has a crease-guard mode, selectable gradual cool-down and failure check and message alarm system.



GIRBAU

GIRBAU, THE GUARANTEE OF A WORLD LEADER

Girbau, S.A. has had a dedicated presence in more than 80 international markets for over 40 years, GIRBAU is a world leader in the manufacturing of industrial laundry equipment for washing and handling fabrics.

GIRBAU's corporate priority is superior support and total customer and user satisfaction, possible by two fundamental priorities:

The superior quality of all the products, are distinguished in the market by design, quality, efficiency, reliability, and constant technological improvement.

The most complete and personalised service, consisting of:

Sales Engineering Department capable of developing personalised Laundry Room drawings and specifications to ensure optimum productivity and results.

Service department, provides responsive total after sale training and support.

Worldwide Distributor Network, capable of providing superior pre-sale and post sale support to ensure complete customer satisfaction.

GIRBAU, QUALITY AND SAFETY CERTIFIED

Girbau products conform to various certifications which guarantee compliance to the most rigorous safety standards: CE (Europe), ETL (USA) and Applus (Spain).

Girbau meet the terms of various certifications which accredit the compliance of the company with the criteria of quality and respect for the environment: **ISO-9001**, obtained in 1996, **ISO-14001**, since 2001 and **EMAS** Certification of eco-management since 2004.

Girbau's R&D department uses the most advanced technology, such as calculation by finite element method, strain gauge testing and accelerated reliability tests, thus improving and extending the life of the machine.

FOUR PRODUCTION FACILITIES, FOR A TOTAL SOLUTION



FACTORY GIRBAU 1: washer extractors and flatwork ironers



FACTORY GIRBAU 2: heavy-duty laundry equipment (batch washers, presses, dryers, conveyors, etc.)

FACTORY GIRBAU 3: washer extractors manufactured in series.

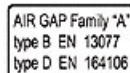
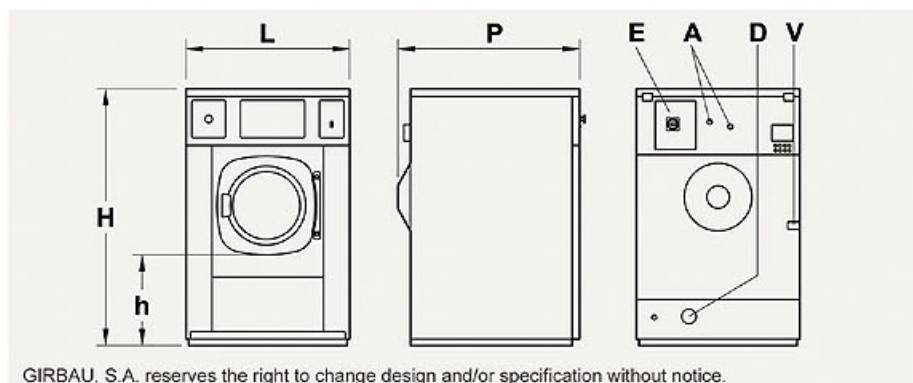


FACTORY Jean Michel: Automation machinery for heavy-duty installations (handrail conveyor systems, feeders, folders, stackers, etc.)

WASHER EXTRACTOR MS-610 · MS-613 · MS-617 · MS-623

MODEL		MS-610	MS-613	MS-617	MS-623
Capacity	kg 1/10 (lbs.)	10,1 (22)	13 (28)	17 (37)	23 (50)
Drum Ø	mm (inch.)	536 (21.1)	620 (24.4)	620 (24.4)	700 (27.6)
Drum depth	mm (inch.)	439 (17.3)	416 (16.4)	549 (21.6)	586 (23.1)
Drum volume	dm ³ (cu.ft)	99 (3.5)	126 (4.4)	166 (5.9)	226 (8)
Net weight	kg (lbs.)	144 (317)	264 (582)	282 (622)	364 (802)
Crated weight	kg (lbs.)	155 (342)	282 (622)	310 (683)	394 (869)
Height H	mm (inch.)	1080 (42.5)	1325 (52.2)	1325 (52.2)	1404 (55.3)
Width L	mm (inch.)	685 (27)	750 (29.5)	750 (29.5)	868 (34.2)
Depth P	mm (inch.)	760 (29.9)	870 (34.3)	1003 (39.5)	1098 (43.2)
Door opening Ø	mm (inch.)	322 (12.7)	327 (12.9)	327 (12.9)	426 (16.8)
Floor to door h	mm (inch.)	390 (15.4)	549 (21.6)	549 (21.6)	515 (20.3)
Washing speed	r.p.m.	50	46.5	46.5	43,6
Distribution speed	r.p.m.	100	100	100	100
Spin Speed	r.p.m.	600	600	600	600
G-Force		108	125	125	141
Drain Ø D	(mm) inch.	(50) 2	(75) 3	(75) 3	(75) 3
Water Ø A	(mm) inch.	(19) 3/4	(19) 3/4	(19) 3/4	(19) 3/4
Steam Ø V	(mm) inch.	-	(12,7) 1/2	(12,7) 1/2	(12,7) 1/2
Max. motor power	kW	0,35	0,45	0,55	0,62
Electric heating E	kW	1Ph: 2,4 or 6 3Ph: 6	1Ph: 6 or 8 3Ph: 9 or 12	1Ph: 6 or 10 3Ph: 9 or 15	3Ph: 12 or 19,5
Voltage	H,V	200-240V 1-Ph 50/60Hz	200-240V 1-ph 50/60Hz	200-240V 1-ph 50/60Hz	200-240V 1-ph 50/60Hz
	E	200-240V 1 or 3Ph 50/60Hz 380-415V 3Ph 50Hz	200-240V 1 or 3Ph 50/60Hz 380-415V 3Ph 50Hz	200-240V 1 or 3Ph 50/60Hz 380-415V 3Ph 50Hz	380-415V 3Ph 50Hz
Shipping dimensions LxPxH	mm (inch.)	707x830x1250 (27.8x32.7x49.2)	777x945x1485 (30.6x37.2x58.5)	777x1078x1485 (30.6x42.4x58.5)	897x1153x1565 (35.3x45.4x61.6)

H,V : Hot water, Steam heating

E : Electric heating

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