

MG



Extraordinary power in a compact design

 **FIMAP®**

MG

Designed to maximise efficiency and productivity in the most demanding sectors



LOGISTICS



CAR PARKS



TRANSPORTATION



INDUSTRY



LARGE-SCALE
RETAILING



SIMPLICITY

- The ID – Intelligent Drive system guarantees time-saving intuitive use
- The video tutorials provide constant support, showing how to carry out the operating and maintenance routines and thereby cutting training time and costs
- With FFM – Fimap Fleet Management, you have greater control over the cleaning tasks, you always know how to carry them out and you can send weekly remote programs so as to avoid improper use and wasted time, and ensure the defined goals are reached
- The accessible design and the colour code guarantee fast, precise maintenance

SUSTAINABILITY

- The Fimap sustainable technologies help you save energy, water and detergent, meaning less waste
- FFM – Fimap Fleet Management provides real, certified data of the CO₂ produced during each job, so you can cut it and effectively offset it
- With FLR – Fimap Long Range, you can halve your water consumption: thanks to the recycling system, you can re-use the same water to clean extra sq.m.

FSS
by up to **50%**
reduces the consumption
of water and detergent

FLR
by up to **66%**
reduces the consumption
of water and detergent

DURABILITY

- The solid, wrap-around design with bumpers on all 4 corners protects the machine, boosting its long-term reliability

SAFETY

- The active and passive safety systems guarantee safe use for the operator, the work environment, and people nearby

CONNECTIVITY

- The Fimap FFM app keeps you constantly in touch with your machines so you can monitor the work remotely, directly on your smartphone

CUSTOMIZATION

- The optionals are designed to adapt MG to the needs of various contexts: find the most useful ones for you, to boost the productivity of your work

MG

MG is robust,
always reliable even in critical contexts

The precise lines and the materials chosen enhance protection for the operator, the machine and the place of use



PROTECTION

- The ergonomic development of the driving position guarantees full visibility, easy movements and comfort, heightening the operator's feeling of control and safety
- Solid, robust materials like the plastic tanks, formed by means of rotational moulding, and the wrap-around steel bumpers protect the mechanical parts and the components, ensuring long-term reliability
- The compact design, with no protruding parts, avoids any damage in the places where MG is used



The rear sensors help the operator to reverse, indicating when the machine is approaching an obstacle

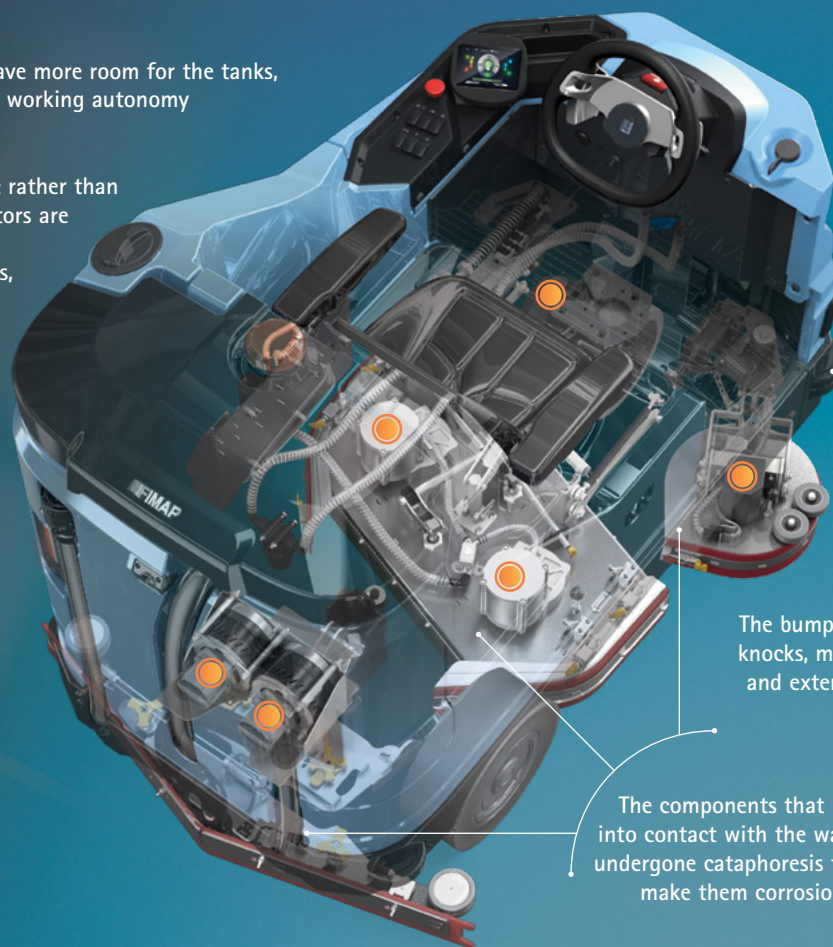
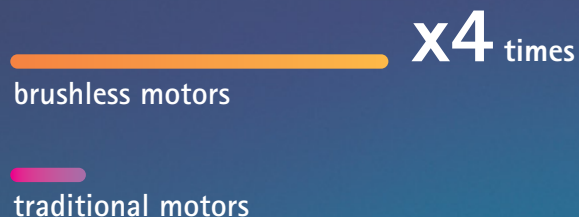


BRUSHLESS MOTORS

The use of brushless motors guarantees greater reliability and productivity. This is why:

- + POWER**
They allow all the energy generated to be fully exploited, because they avoid the dispersion caused by the friction of the brushes
- + DURATION**
Without friction, no heat is generated, eliminating the need for ventilation which often leads to harmful infiltrations
- + COMPACT**
The reduced dimensions leave more room for the tanks, which translates into more working autonomy
- + EFFICIENCY**
As the control is electronic rather than electromechanical, the motors are regulated automatically on the basis of the requests, always providing the best performance conditions
- + LIFESPAN**
They are far less subject to wear, so their lifespan is longer and they require no maintenance

ENDURANCE OVER TIME



The bumper rollers deflect any knocks, minimising the impact and extending the lifespan of the machine

The components that may come into contact with the water have all undergone cataphoresis treatment to make them corrosion-proof

MG

The operator sits in a space designed to
meet every need

The driving position guarantees every convenience so the operator feels comfortable, can reach the controls in the most natural and immediate way, and has full visibility of all the surrounding area. It's designed to reduce fatigue, improve the quality of the work, and boost safety.



The Eco Mode device
cuts noise levels, to
clean without disturbing



The steering wheel controls enable activation without distractions, helping to keep attention focused on the working direction

With the touch screen display, interaction is smooth and user-friendly. The use of the functions is clear and simple, with no hesitation.

Built-in USB port for recharging mobile devices

Driver seat with armrest and safety belt

The seat is comfortable, designed to provide adequate support even on long shifts and avoid physical fatigue



Ingenious solutions that facilitate maintenance

Easy maintenance induces the operator to carry it out regularly, ensuring that MG always works in an efficient manner, that performance is constant, and that there are no costly hitches.



VIDEO
TUTORIALS
FOR OPERATOR
TRAINING

With the on-board video tutorials, training is always at hand. They allow the operator to see demonstrations of the main use and maintenance procedures whenever necessary.



MAINTENANCE
DUE
WARNING

A message on the display reminds operators of an upcoming scheduled inspection, so they can organise their work without having to interrupt the cleaning plan.

SERVICE LIGHTS



The areas that may require checks are lit up by LED lights, making the inspection easier and therefore quicker.



FFF – FIMAP FAST FILL

A connector enables the water supply tube to be connected directly to the tank, so the operator can get on with other tasks while the tank is filling up.



MAINTENANCE TOUCH POINT

YELLOW COLOUR CODE

The colour code is a reminder of which parts must always be cleaned at the end of the shift. Routine maintenance can be carried out easily by simply following the yellow elements



LARGE-DIAMETER HOSES

The drainage tubes have a large diameter for quick emptying, thus reducing passive times. The integrated flow regulation system has 5 opening levels to adapt the flow rate to the varying needs.



SPRAY GUN

The spray gun can be used to rinse the tanks, making full use of the clean solution in them. It cuts passive times, allowing maintenance to be carried out even when there is no water tap nearby.

MG

Equipped for first class performance



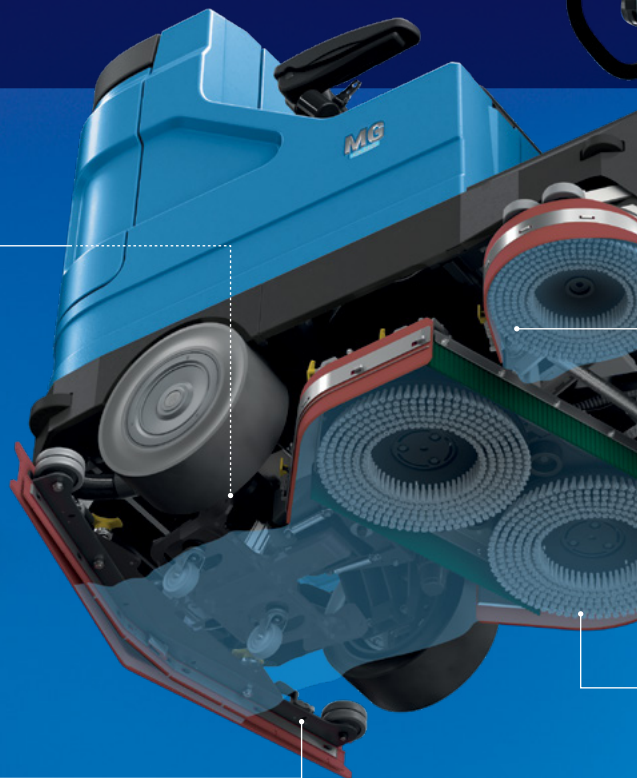
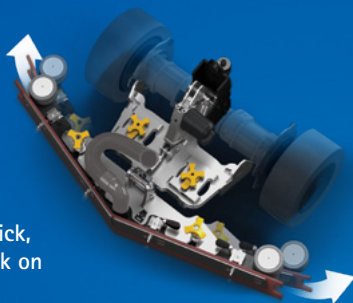
DUAL 3-STAGE VACUUM MOTOR

The drying performance can be further enhanced by requesting the 3-stage dual vacuum motor; it's particularly useful in congested areas, providing greater safety in terms of the risk of slipping.



The form and width of the squeegee ensure quick, even drying that means the floor is safe to walk on straight away.

The water is kept in the vacuum area so it can be immediately collected, while the side movement of the squeegee ensures the same drying results even when cornering.



FLR-FIMAP LONG RANGE

PRODUCTIVITY INCREASED BY UP TO

+70%

SPEED

up to **8** km/h
while working

WORKING AUTONOMY



up to **5** hours*

* In Eco Mode



SOLUTION TANK

170
litres

MG 85

230
litres

MG 100

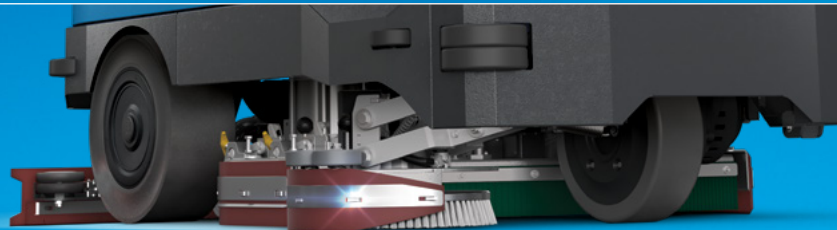


SIDE BRUSH

The side brush extends the scrubbing width and enables accurate cleaning along walls.

INCREASES THE SCRUBBING WIDTH,
BOOSTING PRODUCTIVITY BY UP TO

+20%



MORE SCRUBBING POWER FOR THE MOST STUBBORN DIRT

adjustable brush pressure up to **150 kg**

brush rpm: up to **315**

MINIMUM AISLE TURN

1900 mm

The compact design of MG guarantees a reduced turning circle, facilitating manoeuvres in areas occupied by machinery or shelving units.



VACUUM WAND

The built-in wand vacuums up the dirt from points that cannot be reached by the machine, avoiding time wasted by having to go over the area again later.



Switch to digital management,
make your work easier and improve performance



Protect the results of
your cleaning plan,
with zone programs

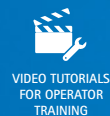


4 ZONE PROGRAMS

You can personalise up to 4 types of zone with cleaning parameters suitable for that type of context. The operator only needs to select the zone to be cleaned and can then begin working straight away with the settings you've chosen. This prevents errors and boosts productivity.



iD—intelligent Drive





Choose digital technology for a modern, reactive and simple user experience

The digital display offers interaction characterised by greater clarity and flexibility, with access to advanced cleaning management settings. The colour graphics make it easier to identify the functions and controls, minimising the risk of distraction.



Touch screen Display



LOG-IN WITH PASSWORD

Access is protected by a password, so the machine cannot be used without authorisation



ECO MODE

Low consumption work mode, ideal for maintenance cleaning



POWER MODE

Cleaning with all the parameters at the maximum power for 60 seconds, ideal for localised dirt



REAR VIEW CAMERA

Helps the operator when reversing, and also enables a better check of the newly cleaned tract



VIDEO TUTORIALS FOR OPERATOR TRAINING

Always available, providing constant training on use and routine maintenance

MG

Connect to your fleet
and increase productivity with the Fimap FFM app



FIMAP FLEET MANAGEMENT

Track the performance of your fleet easily from your smartphone, with the Fimap FFM app. Enter the profile of each machine to see where it is, whether the planned cleaning schedule is being followed, and whether anything unexpected has occurred.

You can check the list of maintenance tasks carried out, the recharges made and any issues that have arisen, to always be in full control of the situation and keep productivity high.

Manage your fleet remotely with the FFM – Fimap Fleet Management system, use the Fimap FFM app to access data at any time and don't miss a single detail of the status of your machines



Watch the video



INDOOR TRACKING

Tracking of cleaning activities inside buildings, to see which areas have already been cleaned and which are still to be completed.



MISSION CONTROL PART PROGRAM

The supervisor can set a weekly cleaning schedule and send it to the machine. This enables the operator to follow the set schedule, ensuring the desired cleaning standards are maintained, and keeping costs low.



GEOLOCALISATION

It shows on a map the machine.



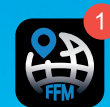
USE INFORMATION

It's possible to know in what working mode the machine is operating and for how long. Moreover, it provides information about the duration of each intervention and the sq.m cleaned.



HEALTH STATUS

It is possible to monitor the condition of both machines and batteries at any time, to have a clear view of the fleet availability and optimize its coordination.



NOTIFICATIONS

Receive real-time notifications about SOS alerts and anomalies on your devices. The service is available for all iOS and Android systems.



ENVIRONMENTAL IMPACT

You can see the amount of CO₂ produced by the machine since the beginning of its working life



ALARMS

The anomalies occurred are summarised in a list which includes a description of the type of issue, and the date and time of the event. It helps you to have an overview of the improper uses that need to be corrected.



MAINTENANCE

An overview of the list of the maintenance services performed allows to identify discrepancies with the condition of the machine in case an anomaly is detected, and to monitor the inspections of the whole fleet.

MG

Advanced devices protect people,
the environment and your investment



REAR VIEW
CAMERA

Helps the operator to check
the manoeuvre space available
when reversing



ANTI-COLLISION
SYSTEM

Detects and indicates obstacles in
the area behind the machine





ACTIVE TECHNOLOGIES TO prevent accidents

MG is safe even when there are obstacles like shelving units or machinery in the area in logistics centres, warehouses and factories. It is fitted with devices that prevent accidents, guaranteeing safe work every time.

Advanced devices protect people, the environment and your investment

ACTIVE TECHNOLOGIES to prevent accidents



TOUCH SCREEN
DISPLAY

Guarantees clear reading,
even in poorly lit places



DESCENT
CONTROL

Keeps the speed constant when moving
downhill, preventing the machine from
suddenly accelerating owing to the force
of gravity



STEERING
WHEEL
CONTROLS

Make the activation of certain functions easier,
so the operator is not distracted from the working
direction



STOP&GO

Traction control system, effective both uphill
and downhill, that blocks the machine when
the pedal is released



CRUISE
CONTROL

Function for fixing a certain speed
level



ELECTROBRAKE

Automatically activated when the
machine stops.
It works as a safety parking brake



HYDRAULIC
DRUM BRAKES

As they are self-adjusting, they guarantee
the continuous optimisation of the
braking system



ESC - ELECTRONIC
STABILITY CONTROL

Speed is automatically reduced when
steering, without having to use the brake





SEAT BELTS

Boost the operator's safety, especially in the event of accidental impact



OVERHEAD GUARD

Protects the operator in storage areas such as warehouses and logistics centres



BLUE SAFETY SPOTLIGHT

Warns people of the approach of the machine when visibility is hampered by shelving units or machinery



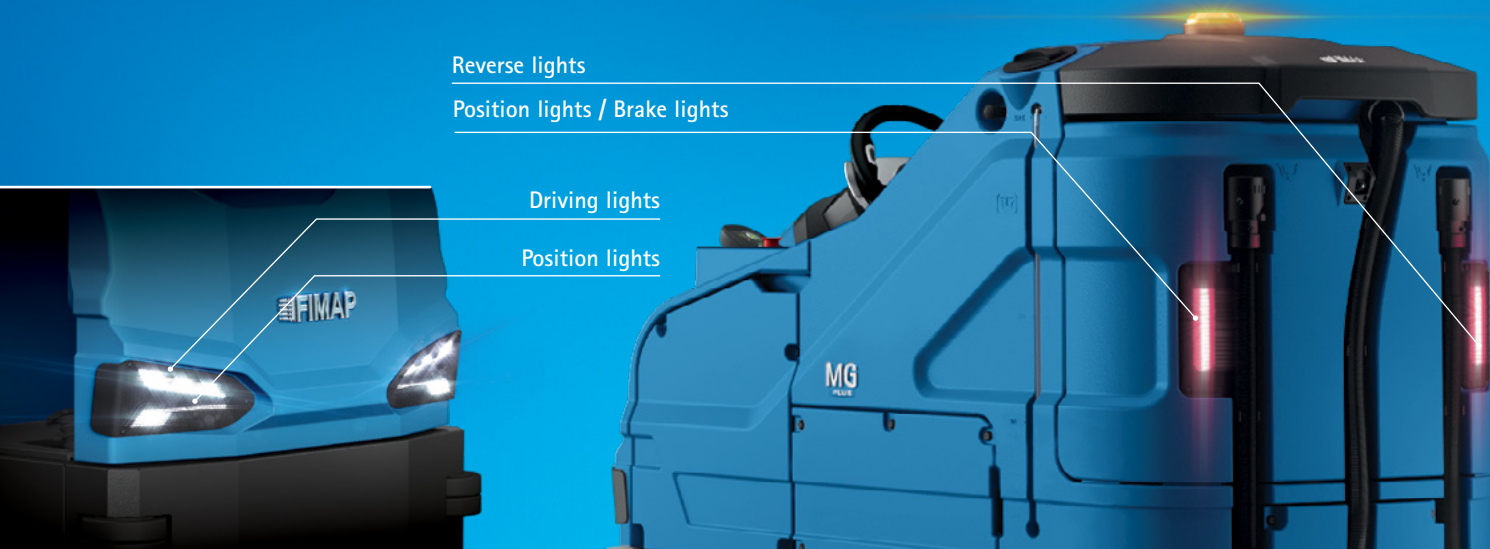
LED HEADLIGHTS

Improve visibility in the work area and indicate the presence of the moving machine



VIDEO TUTORIALS FOR OPERATOR TRAINING

Clear training on machine use and maintenance, available at all times



PASSIVE SYSTEMS to help the operator in case of emergency



SOS DEVICE

In the event of a fault, the SOS button can be used to send a request for immediate intervention, cutting waiting times



EMERGENCY STOP

Device that stops the machine and deactivates all the functions immediately

MG

Reduces the environmental impact of the cleaning task: Fimap has a range of solutions designed to eliminate waste and optimise the use of the resources

Eco Mode is a work mode that uses the fewest possible resources. It's ideal when particularly intensive scrubbing power is not needed, for instance for frequent or maintenance cleaning, to avoid consuming more resources than necessary.



START&STOP

Automatic device that stops the brush motors, vacuum and water flow when the machine has temporarily stopped, to avoid resource wastage and reduce costs and emissions. The functions are simultaneously reactivated by pressing the accelerator.

WATER



FSS

FSS-FIMAP SOLUTION SAVER

Allows the water and detergent to be dosed separately, to use the right dilution for the specific needs.

reduces the consumption
of water and detergent

by up to **50** %



FLR

FLR-FIMAP LONG RANGE

The recycling system filters the solution collected so it can be reused, enabling extra sq.m. to be cleaned with the same resources

reduces the consumption
of water and detergent

by up to **66** %*



FWF

FWF-FIMAP WATER FLOW

Ensures that the solution is evenly distributed on the brushes, optimising consumption and guaranteeing uniform cleaning



CHEMICAL-FREE CLEANING SOLUTION

Technology that transforms tap water into a sanitising solution by activating the chlorine molecules it naturally contains, to clean without the addition of detergents.

ENERGY



FES

FES-FIMAP ENERGY SAVER

MG promises the best efficiency and maximum performance of the motors, thanks to the correct sizing defined in the design stage, to optimise energy consumption

It reduces energy
consumption by

up to **35** %

* Per cleaning operation. Saving calculated on a triple recycling cycle

MG

Choose the brush head
according to the type of dirt



MG 85
DUAL DISC



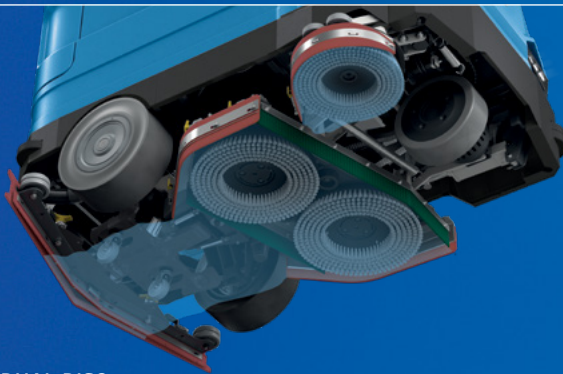
MG 100
DUAL DISC



MG 85
CYLINDRICAL



MG 100
CYLINDRICAL

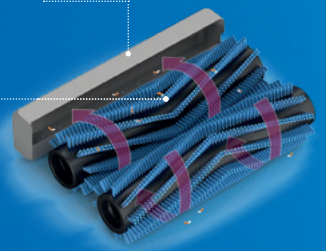


DUAL DISC
with 2 disc brushes or 2 pad holders



CYLINDRICAL
with 2 cylindrical brushes and
a debris hopper for small sized
solid debris

DEBRIS HOPPER
collects small solid residue



SCRUBBING
The floor is scrubbed with water and
detergent, and the bristles easily remove
even the most stubborn dirt

Choose the version according to
your needs

Display
touch-screen

PLUS



Membrane
control paanel

PRO



Membrane
control panel

BASIC



Add accessories to boost productivity

OPTIONALS



Vacuum wand



Spray gun



Adjustable seat with armrests
and seat belt



Super-elastic wheels



FFF – FIMAP FAST FILL



Right-hand side scrubbing brush



FFM-FIMAP FLEET MANAGEMENT



LED headlight and tail-light



LED service lights



Overhead guard



BLUE SAFETY SPOTLIGHT



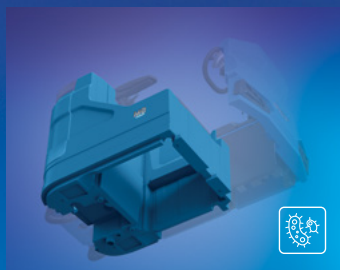
Anti-collision system (rear)



2 sweeping side brushes



USB port for recharging mobile devices



The antibacterial tanks help inhibit the growth of bacteria and mould



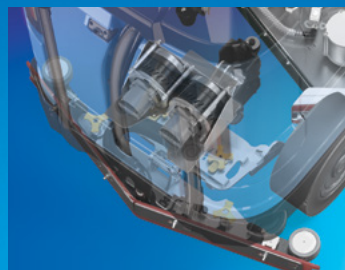
The Fimap technology that allows you to clean without using chemical detergents



FSS-FIMAP SOLUTION SAVER



FLR-FIMAP LONG RANGE



2 3-stage vacuum motors

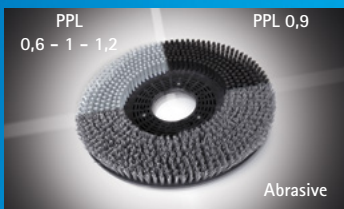


Mobile phone holder



Recycled plastic tanks

ACCESSORIES



CENTRAL BRUSHES
FOR THE DISC VERSION



SIDE BRUSHES
FOR THE DISC VERSION



CENTRAL BRUSHES
FOR THE CYLINDRICAL VERSION



FRONT BRUSHES
FOR THE CYLINDRICAL VERSION

Various types of disc or cylindrical brush are available, to deal with any type of dirt on any floor

Abrasive brushes:

Ideal for heavy duty cleaning on industrial surfaces

In addition, the installation of the pad holder enables various types of pad to be used according to the treatment to be carried out



REAR SQUEEGEE RUBBER BLADES

33 SHORE (PARA): For maintenance cleaning of smooth floors

40 SHORE (PARA): For stubborn dirt on floors with joints

POLYURETHANE: For heavy duty cleaning and the collection of oil on industrial floors

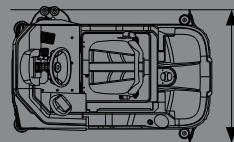
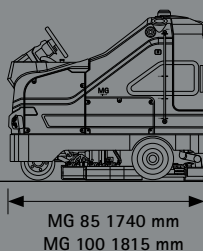
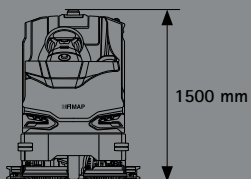
LINATEX™: Suitable for all surfaces, whether smooth or rough, guaranteeing excellent performance because they are particularly resistant to wear and to temperature changes, and to the use of aggressive detergents

OPTIONAL AND STANDARD EQUIPMENT

USER EXPERIENCE	DUAL DISC			CYLINDRICAL		
	MG 85/100	MG 85/100 Pro	MG 85/100 Plus	MG 85/100 Cylindrical	MG 85/100 Cylindrical Pro	MG 85/100 Cylindrical Plus
iD-Intelligent Drive:	-	-	•	-	-	•
- 5 inch colour touch screen	-	-	•	-	-	•
- Log-in with password	-	-	•	-	-	•
- Zone programs	-	•	•	-	•	•
- Cruise control	•	•	•	•	•	•
- Eco Mode	•	•	•	•	•	•
- Power Mode	-	-	•	-	-	•
- Rear view camera	-	-	•	-	-	•
- Anti-collision system (rear)	-	○	•	-	○	•
- Operator training video tutorials	-	-	•	-	-	•
- Maintenance due warning	-	•	•	-	•	•
Membrane control panel	•	•	-	•	•	-
COMFORT						
Hour meter	•	•	•	•	•	•
Cleaning solution level indicator	•	•	•	•	•	•
Fresh water empty tank light	-	•	•	-	•	•
Vacuum wand	-	○	○	-	○	○
Spray gun	-	○	○	-	○	○
Basic seat	•	•	-	•	•	-
Seat complete with armrests and safety belt	○	○	•	○	○	•
FFF (Fimap Fast Fill)	○	○	○	○	○	○
Automatic coupling/uncoupling of the central brushes	•	•	•	-	-	-
Noiseless suction	•	•	•	•	•	•
Brush and squeegee actuator	•	•	•	•	•	•
Super elastic wheels	○	○	○	○	○	○
USB port for charging mobile devices	-	○	•	-	○	•
Mobile phone holder	○	○	○	○	○	○
PRODUCTIVITY						
Water flow selector	•	•	•	•	•	•
Triple pressure selector	-	-	•	-	-	•
Extra pressure	•	•	•	•	•	•
Vacuum speed selector	•	•	•	•	•	•
Right scrubbing brush	-	○	○	-	-	-
2 sweeping side brushes	-	-	-	○	○	○
2 3-stage vacuum motors	○	○/•	○/•	•	•	•
FFM (Fimap Fleet Management) with SOS device, mission control part program and indoor tracking	○	○	○	○	○	○
Squeegee with anti-corrosion treatment	•	•	•	•	•	•
Side splash guards	•	•	•	•	•	•
Brushless motors (traction, brushes, vacuum)	•	•	•	•	•	•
Batteries with automatic refilling system	○	○	○	○	○	○
Ramp up	•	•	•	•	•	•
SAFETY						
Blinking light	•	•	•	•	•	•
Driving LED lights (front-rear)	○	○	•	○	○	•
Service LED lights	-	○	•	-	○	•
Stop&Go	•	•	•	•	•	•
Descent control	•	•	•	•	•	•
ESC (Electronic Stability Control)	•	•	•	•	•	•
Emergency Stop	•	•	•	•	•	•
Overhead guard	-	○	○	-	○	○
Antibacterial tanks	○	○	○	○	○	○
Blue safety spotlight	○	○	○	○	○	○
Hydraulic rear drum brakes	•	•	•	•	•	•
Electrobrake	•	•	•	•	•	•
ENVIRONMENT						
AQUA®	-	○	○	-	○	○
Recycled plastic tanks	○	○	○	○	○	○
FSS (Fimap Solution Saver)	-	○	○	-	○	○
FLR (Fimap Long Range)	-	○	○	-	○	○
FWF (Fimap Water Flow)	•	•	•	-	-	-
FES (Fimap Energy Saver)	•	•	•	•	•	•
Start&Stop	•	•	•	•	•	•

• STANDARD ○ UPON REQUEST - NOT AVAILABLE

DIMENSIONS AND TECHNICAL DATA



MG 85
1100 mm

MG 100
1300 mm

TECHNICAL DATA – MG		DUAL DISC						CYLINDRICAL					
		85	85 Pro	85 Plus	100	100 Pro	100 Plus	85 Cylindrical	85 Cylindrical Pro	85 Cylindrical Plus	100 Cylindrical	100 Cylindrical Pro	100 Cylindrical Plus
Productivity theoretical	up to sqm/h	7900			9600			9450			10800		
Estimated coverage	up to sqm/h	7100			8165			8550			9585		
SCRUBBING SYSTEM													
Working width	mm	850			1000			825			960		
Working width with side brushes	(no.) mm	(1) 1000			(1) 1200			(2) 1200			(2) 1350		
Brush motors (central / side)	(no.) V/W	(2) 36/1500 – (1) 36/250						(2) 36/1000 – (2) 36/300					
Brush rpm (central / side)	rpm	315/140						550/75					
Brush pressure	up to kg	150	70÷100÷150		155	70÷100÷150		70		77		70	
TANK AND RECOVERY SYSTEM													
Solution tank	l	170			230			170			230		
Recovery tank	l	180			240			180			240		
Suction motor	V/W	(2) 36/525	(2) 36/600		(2) 36/525			(2) 36/525	(2) 36/600		(2) 36/525		
Vacuum water lift	mbar	175	200		175			99	200		99		
Detergent tank capacity (FSS)	l	31			70			31			70		
Maximum volume of the debris hopper	l	-						12			13,5		
BATTERY SYSTEM													
Supply/traction	V	36/aut.											
Batteries	(no.) V/Ah	(6) 36/425 WET											
Battery run time*	up to h	5											
PROPELLING SYSTEM													
Forward working speed	km/h	8											
Transport speed	km/h	8											
Gradeability (Trailer ramp empty)	up to %	20											
Traction motor	(no.) V/W	(1) 36/1386	(1) 36/2350		(1) 36/1386			(1) 36/2350		(1) 36/1386			
SPECIFICATIONS													
Machine dimensions (L x h x w)	mm	1740 1500 980			1815 1500 1130			1740 1500 1010			1815 1500 1130		
Squeegee width	mm	1100			1300			1100			1300		
Machine weight empty without batteries	kg	540			606			540			606		
Machine weight empty with batteries	kg	870			936			870			936		
GVW (Gross Vehicle Weight)	kg	1040			1227			1040			1227		
Sound pressure level (ISO 11201) – LpA – Eco Mode	dB (A)	< 70											
Minimum aisle turn	mm	1900			2300			1900			2300		

*Run times are based on continuous scrubbing run times
Machine weights are calculated on the basis of a standard reference model

SERVICES

CONSULTING AND PLANNING



We put our experience at your service, to help you realize the cleaning project perfect you. We suggest you the best solutions to make costs decrease and service quality increase.

SET-UP



We can help you set up your machines in order to make them meet specifically the requirements of the sites of your project, allowing you to always have control over costs and results.

AUTHORIZED WORKSHOP NETWORK



The Fimap Authorised Workshop network spans the globe, so you can enjoy the peace of mind of finding a professional support wherever your business is.

CONFIGURATION



Your business is unique, only a customized fleet can lead you to better results. We will help you find the configurations that best fit the specific requirements of your cleaning sites, in order to optimize processes and lower costs.

TRAINING COURSES



Fimap Academy offers courses for all levels, from the correct use of machines and technologies, up to the management of sites and tenders, helping you to make your service really competitive.

MAINTENANCE AND REPAIR



With our service packs, we help you to ensure your business is always operational. Our technicians take care of monitoring the machines health status and know how to intervene quickly and effectively when needed.

FINANCIAL SOLUTIONS



You can choose to use the fleet in different ways. We can advise you on the best financial solution for your business, so that you can get the quality of the Fimap world at the most convenient conditions for you.

DIGITAL FLEET MANAGEMENT SYSTEM



With Fimap Fleet Management everything is under your control. You can have a complete overview of the service provided and find out the improvements that can be made, basing your considerations on real data, always available via the Fimap FFM app or FFM website.

GENUINE SPARE PARTS



Get the most out of your machines, choose the reliability of Fimap original spare parts. They are designed together with the machines, so they perfectly fit them thus guaranteeing the highest quality of performance.

CERTIFICATIONS



AWARDS



For any additional information or for a demo please contact your usual Fimap dealer



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