

SMg



SMg scrubbing machine.  
It is robust, powerful and suitable for industrial environments cleaning.

 **FIMAP**<sup>®</sup>

# SMg

## SMg scrubbing machine

It is suitable for heavy dirt cleaning  
of industrial environments up to 20,000 sq. m.

SMg floor scrubbers represent Fimap top of the range of cleaning machines.  
They are available with 2 disc brushes of 120 cm working width (SMg120)  
and with 2 cylindrical brushes of 130 cm working width (SMg130).



SMg120



SMg130

Large solution tank  
capacity



## Available equipment:

SMg scrubbing machines include two versions: Basic version and Full Optionals version

STANDARD EQUIPMENT	SMg120 – SMg130 (Basic)	SMg120 – SMg130
<b>Water and detergent management</b>		
FSS (FimapSolutionSaver)	-	•
FWF (FimapWaterFlow)	• (only disc version)	• (only disc version)
Water flow reduction on bends**	•	•
Eco ON/OFF System*	•	•
FFF (FimapFastFill)	-	•
Water level indicator	•	•
Detergent level indicator	-	•
<b>Scrubbing performances</b>		
Brushes pressure regulation	•	•
Speed regulation	•	•
Double vacuum motor	•	•
Brush head lateral movement	-	• (only disc version)
Second side brush	-	optional (only cylindrical version)
<b>Safety</b>		
Speed reduction on bends**	•	•
Front antiskid motorwheel	•	•
Antiskid rear wheels	•	•
Hydraulic brakes	•	•
Blinking light	optional	•
Safety belts	optional	•
Hoverhead guard	optional	optional
Headlights	-	•
<b>Comfort</b>		
Comfort Drive System***	-	•
FNC (FimapNoiseCanceling)	•	•
Tanks can be sanitised completely	•	•
Recovery tank rotating system	-	•
Squeegee rotating system	•	•

\* Eco ON/OFF system: automatically stops water flow and brush when the machine is idle.

\*\* Device for speed and water quantity reduction on bends to assure always maximum drive safety and excellent drying.

\*\*\* Comfort Drive System: the operator can adjust the seat to suit his particular driving needs.

# SMg

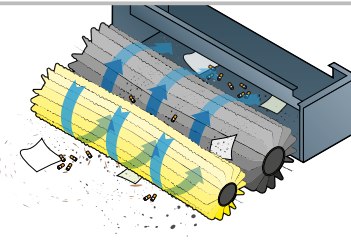
## Work with SMg incomparable performances!

### It is available also in cylindrical version for solid wastes collection

SMg130 is equipped with two cylindrical brushes thanks to which it is possible to collect even small solid debris and convey them into the debris hopper. The hopper can be easily emptied at the end of cleaning operations, taking it out from the right side.



1



2



3

### Work with SMg great autonomy!



up to 4 hours

The installation of all innovative elements such as the new generation electronically controlled motorwheel and the new Eco ON/OFF system that stops the brushes and water flow when the machine is not working, **HAVE MADE IT POSSIBLE TO REDUCE THE CONSUMPTION OF ENERGY UP TO 30%, INCREASING THE MACHINE PRODUCTIVITY**



# Work with SMg technologies!



## PRODUCTIVITY

With the new Fimap dosing system **FSS (FimapSolutionSaver)**, during normal maintenance cleaning operations, surfaces can be scrubbed with water and detergent **SAVING up to 50%**.

**This assures a high increase of machine productivity, scrubbing with the same water quantity the double surface.**



## SAFETY

The detergent distribution is made from a 20 litres tank. The operator can easily fill up with detergent through the proper filling up opening, without coming into contact with the chemical product, working as a consequence in complete safety.

## ECOLOGY

The possibility to dose the right quantity of detergent according to the type of dirt to remove, helps to obtain a detergent saving up to 50%.

**AND WHAT IS THE RESULT?**

**A PERFECT CLEANING WITH A CONSIDERABLE REDUCTION OF THE ENVIRONMENTAL IMPACT.**



## PRODUCTIVITY

The new **FWF (FimapWaterFlow)** system always guarantees a uniform distribution of the detergent solution on both brushes, assuring a homogeneous cleaning result just after one pass of the machine.

**AND WHAT IS THE ADVANTAGE? MORE CLEANING WITH LESS DETERGENT!**

Thanks to the FWF technology and to the possibility to adjust brushes pressure and working speed, an excellent cleaning performance after the first pass is guaranteed, so that no second pass is required.

**AND WHAT IS THE BENEFIT? A time SAVING up to 50%.**



## SAFETY

By eliminating acoustic stress, the operator can work in complete safety, being able to dedicate all his attention to what he is doing preserving his health.

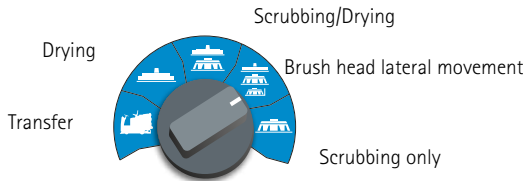
## COMFORT

SMg silentness allows to work **NOT ONLY IN INDUSTRIAL ENVIRONMENTS**, such as big stores, but also in highly noise-sensitive environments such as airports **WITHOUT DISTURBING THE ENVIRONMENT.**

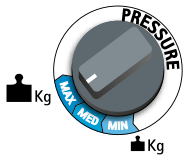
# Work with SMg user-friendliness!



1 Set the working speed



2 Set the working program



3 Adjust cleaning solution and brush head pressure according to the type of dirt to remove

... AND START TO WORK!



## Work with SMg power!



SMg are equipped with new generation motorwheel that allows to clean at high speed and in total safety thanks to antiskid wheel



The double vacuum motor ensures excellent cleaning results also on uneven surfaces. Filters proper cleaning keeps constant vacuum performances

The possibility to get on/off from both sides ensures the maximum accessibility to driving controls and increases the operator safety



The large diameter drain hoses have been placed in a position that allows to quickly and completely empty both the recovery and solution tank



Recovery tank can be electrically rotated



FFF, FimapFastFill to quickly fill the solution tank



Safety belt kit



Reduced squeegee dimensions, as wide as the machine



The squeegee can be rotated to facilitate rubber blades cleaning



External socket for battery charging



Low consumption led headlights

The brush head can laterally come out up to 15 cm to efficiently clean along walls



TECHNICAL DATA		SMg120 (Basic) / SMg120	SMg130 (Basic) / SMg130
Productivity theoretical	up to sqm/h	8400	9590
Working width	mm	1200	1055
Working width with side brushes	mm	-	1370
Disc brushes	(no.) Ø mm	(2) 610	(2) 450
Cylindrical brushes	(no.) Ø mm	-	(2) 210x100
Brush motors	(no.) V/W	(1) 36/2000	(2) 36/1300
Brush rpm	rpm	130	650
Brush pressure (min - max)	kg	110÷130÷150	50÷65÷80
Solution tank	l	280	280
Recovery tank	l	335	335
Suction motor	(no.) V/W	(2) 36/650	(2) 36/650
Vacuum water lift	mbar	141	141
Detergent tank capacity (FSS)	l	19	19
Maximum volume of the debris hopper	l	-	40
Supply/traction	V	36/aut.	36/aut.
Batteries	V/Ah C5	36/360	36/360
Battery run time	up to h	4,10	3,25
Transport speed	km/h	6,7	6,8
Gradeability during transport empty	%	10	10
Traction motor	V/W	36/1500	36/1500
Machine dimensions (L x h x w)	mm	2160x1675x1340	2160x1675x1190
Squeegee width	mm	1266	1266
Machine weight empty without batteries	kg	650	690
Batteries weight	kg	420	420
Minimum aisle turn	mm	3415	3450

## CERTIFICATIONS



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



FIMAP spa - Via Invalidi del Lavoro, 1 - 37059 S. Maria di Zevio - Verona - Italy  
Tel. +39 045 6060411 - Fax +39 045 6060417 - E-mail: fimap@fimap.com

