

Scrubber **ruby 45c**



Walk-behind
machine
without
traction



Power supply
24V/110Ah



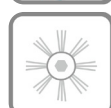
Theoretical hourly
performance 3-5h



Cleaning width
460mm



Solution/recovery
tanks 40/45l



Disc brush
2x95mm



Brushes
pressure max.
30kg



Brush speed
950rpm



OPTIONAL



Lithium batteries



3S - Solution
saving system



Ozono system

Designed for cleaning **porous floors**, such as those found in **gyms** and other environments subject to intense dirt, the **Ruby 45 C floor scrubber** ensures a **deep and effective wash**. Its **compact structure** and **easy maneuverability** make it a valuable ally even in the most difficult spaces.



TECHNICAL DATA

Manufacturer: Floorpul NV
Registered Office: Generaal Deprezstraat, 10A
 8530 Harelbeke
 West-Vlaanderen - Belgium

Theoretical productivity:	1670 m²/h
Squeegee width:	770 mm
Brush motor:	500 Watt
Maximum gradient:	2%
Suction motor:	570 Watt
Suction vacuum:	120 mbar
Machine dimensions:	L: 1090 mm
	(w/o squeegee) W: 548 mm
	H: 1053 mm
Machine weight (w/o batteries)	71 kg
Battery compartment:	L: 350 mm
	W: 342 mm
	H: 295 mm
Class:	III
Protection level:	IP 23

WELLBEING and COMFORT FOR THE OPERATOR



sound pressure level L_{pa}
 (in accordance with annex DD IEC/EN 60335-2-72)

73.1 db (A)

Hand-arm vibration level
 (in accordance with annex EE IEC/EN 60335-2-72)

1.06 m/s²

DECLARATIONS



Machinery compliant with the safety and quality standards required by current European legislation and supplied with an EC Declaration of Conformity.



Machinery compliant with Regulation (EC) No. 1907/2006 (REACH) on the Registration, Evaluation, Authorisation and Restriction of Chemicals.



Machinery made with components that comply with Directive 2011/65/EU and 2015/863 (RoHS), which restricts the use of hazardous substances in electrical and electronic equipment.

STANDARD FLOORPUL TECHNOLOGIES ON THIS MODEL

SAFETY

Operator Detector



Sensor guaranteeing that the operator always has control of the machine before startup.

Quick-dry



Quick-drying system that collects water in real time for immediately dry floors.

OPERATOR

Easy-Switch – Simplified interface



Interface with electromechanical switches for easy, intuitive and immediate use.

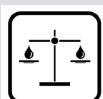
ElemenTag – Items recognisable for maintenance



Items highlighted in black for immediate identification of parts subject to maintenance.

ENVIRONMENT

ControlFlow – Even solution flow



The solution flow is continuous and controlled on all brushes, even with water reduction systems.

PERFORMANCE AND QUALITY

Anticorrosion Coatings – Anticorrosion protection



Standard anticorrosion treatment to boost machine durability against water and aggressive detergents.

Battery check – Charge indicator



Charge indicator shows battery status in real time.

Battery-Care – Battery protection



Battery protection system with progressive interruption of functions to safeguard durability.

Hour-meter



Built-in hour meter to monitor usage hours and schedule maintenance.

OPTIONAL FLOORPUL TECHNOLOGIES ON THIS MODEL

Aquaload – Built-in water filling system



Built-in water filling system with detachable pipe for fast, practical filling.

ShineBoost – Shinier floors



Combination of ozone and abrasive pads to boost the shine of glossy floors.

SilentMode – Noise reduction technology



Noise reduction technology, ideal for sensitive settings such as hospitals and schools.

ENVIRONMENTAL IMPACT

Energy consumption during work: From **0.52 Wh/m²**

OPTIONAL CONSUMPTION REDUCTION TECHNOLOGY



The **3S system (Solution Saving System)** precisely adjusts the detergent, preventing waste and washing with the right quantity of solution.



Floor scrubbers equipped with an Ozone generator (O₃) are able to clean without using chemicals where disinfection is required. This version is highly recommended for **hospital** settings, where both **cleaning** and **sanitisation** are required.

WATER CONSUMPTION

We have tested every model to ensure the best balance between performance and water consumption. Cleaning capacity depends on three key factors: performance in square metres per hour, tank capacity and water flow in litres per minute.

The table sets out clear, immediate data: consumption in litres per 100 m² and total washable surface area with a full tank at minimum water flow rate. This allows you to choose the most efficient solution to reduce waste and optimise every cleaning operation.

40l solution tank capacity

I/min	I/100m²	tot. m²
0.30	1.09	3,680



END OF LIFE

Floorpul makes machines designed to last. Our floor scrubbers can be fully dismantled and repaired. Each component can be replaced with original spare parts to prolong the product's life and reduce the production of waste.

We help combat planned obsolescence by offering solutions that respect the planet and ensure responsible use of resources.

SEPARABILITY OF COMPONENTS

The machine can be completely dismantled into its parts, down to the raw materials and commercial components. The materials are easily separated and worn, damaged or faulty parts can be removed and replaced. Some materials, due to their specific function, must be disposed of as special waste.

CODING OF PLASTIC POLYMERS

As laid down in standards DIN 7728 and 16780, and UNI EN ISO 1043/1, plastic parts are marked with a code denoting the type of polymer of which they are made.

RECYCLABILITY ANALYSIS

At Floorpul, we believe that fully understanding what we build is the first step towards a more sustainable future. Working with our suppliers, we have analysed every component of our existing machine designs, carefully cataloguing the materials used. This enables us to quantify their recyclability and the amount of recycled materials used, providing a solid foundation for more responsible choices.



% RECYCLABILITY OF COMPONENTS



% RECYCLED MATERIAL

MATERIALS USED TO BUILD MACHINES

Floorpul has carefully analysed the materials used in components of its scrubber machines.

This began with technical data and certifications provided by our partners and suppliers.

When this information proved to be incomplete, unclear or unavailable, including cases where suppliers themselves were unable to trace the origin of materials, we launched an inhouse research initiative.

We deepened our investigation by consulting industry reports, scientific publications and reliable online sources, with the aim of reaching a transparent, traceable and properly documented understanding of the materials used.

This comprehensive and diligent effort reflects Floorpul's commitment to designing sustainable solutions with the utmost awareness and responsibility, basing every decision on verified technical data.

Material	% of total machine	% recycled material in machine	% total recyclability
Carbon steel			
Alloy steel			
Aluminium			
Electrical cables			
Natural rubber			
Composite material			
Plastics (processed for injection moulding)			
Plastics (processed for rotational PE moulding)			
Plastics (processed for drawing)			
Brass			
WEEE			
Copper			
ZAMA			