



WASHING STATIONS CATALOG

ECO100HP



ECO100

ECO100 Smart

A WORKSTATION FOR EVERY NEED

WASHING STATION
ECO100HP

Cod. ECO100HP120



THE ATTENTION TO DETAIL MAKES THE DIFFERENCE

ECO100HP is a unique washing station entirely made of synthetic material (PE) that operates with two separate pumps, one for low pressure serving the plastic brush, and a high-pressure pump of 110 bar calibrated to 90 bar to serve the high-pressure gun. The station is also equipped with professional low-consumption LED lighting of only 7 Watts, a 10/10 stainless steel worktop to protect the station surface, an aluminum blow gun, from Nautilus. There are also 3 layers of downward liquid filtration and 3 layers of upward liquid filtration.

ECO100HP is equipped with a forced oxygenation system to maintain the stability of the liquid over time, and to prevent the formation of bad odors.



Closed height	1800 mm
Open height	2350 mm
Worktop height	950 mm
Overall dimensions (WxD)	1150x835 mm
Work surface dimensions	840x600 mm
Loading port (HxW)	470x870 mm
Maximum capacity for C.U.D. (uniformly distributed load)	250 kg
Standard operating temperature	35°C
Heating power	800 W
Low pressure (LP) liquid pump power	45 W
Liquid pump capacity (LP)	15 lt/min
High pressure pump power (HP)	2,2 Kw
Liquid pump flow rate (HP)	11 lt/min
High pressure maximum pressure (HP)	90 BAR
High Pressure Noise (HP)	85 dBa
Maximum tank capacity	120 lt
Optimal detergent load capacity (MC100HP)	100 lt
Minimum operating level	60 lt
Power supply	220V (230V 50Hz)
Empty weight	146 Kg c.a.
Material	LDPE



NAUTILUS

It is a high-vision device that allows clear viewing during high-pressure cleaning operations, using only compressed air at 2.5 bar.

WASHING FLUID
MC100HP

Cod. PFPP20219



**DEGREASE
RESPONSIBLY***

- ☒ Solvent-free
- ☒ Without caustic products
- ☒ Without microorganisms

LAST GENERATION DEGREASER

Capable of working effectively at both high and low pressure with reduced foam.

With high cleaning properties, it has been designed using an extremely advanced and innovative technology.

ITS ACTION ALLOWS

To remove residues of oil, grease, heavy dirt, carbonaceous residues without causing rust on ferrous metals and without damaging metals or delicate plastic parts (such as aluminum, for example).

HEALTH AND ENVIRONMENT

Highly effective product, yet environmentally friendly and especially safe for the operator's health. It does not contain caustic agents or microorganisms; thanks to this, the product does not carry any hazard labeling.

AFTER THE WASHING OPERATIONS

The oil and grease portion emulsifies after a few minutes, separates, and rises to the surface; this allows the cleaning solution's life to be greatly extended by replenishing it.

ECO100HP + MC100HP AN INSEPARABLE PAIR

A single manufacturer of the washing station and the cleaning liquid. Maximum performance and effectiveness without caustic agents.



WASHING STATION
ECO100

Cod. ECO100120





Work surface (LxD)	900 x 600 mm
Working height	850 mm
Overall dimensions (WxD)	1120 x 800 mm
Front edge height	1000 mm
Rear edge height	1080 mm
Maximum capacity for C.U.D. (uniformly distributed load)	250 Kg
Operating temperature range	From ambient temp. to 50°C
Comfort temperature (standard)	35°C
Heating Power	800W
Liquid Pump Power	80W
Liquid pump flow rate	400 lt/h
Maximum tank capacity	120 lt
Optimal detergent load capacity (MC100)	100 lt
Minimum operating level	60 lt
Electrical power supply	220V (230V 50Hz)
Empty weight	55 Kg c.a.
Material	LDPE

THE ATTENTION TO DETAIL MAKES THE DIFFERENCE

[Opening at 80° with a simple movement]

ECO100 is a manual washing station made of synthetic material (PE) designed for cleaning, degreasing, and decarbonizing small and medium-sized mechanical parts.

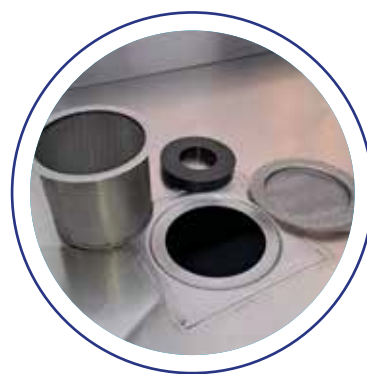
Its operation is very simple; a 220V (230V, 50Hz) power outlet is sufficient to start working.

ECO100 is equipped with a forced oxygenation system with the function of maintaining the stability of the cleaning liquid even in the presence of strong or very strong contaminants.

Furthermore, it helps the flotation of these contaminants, contributing, together with the 6 filtration stages, to maintaining the product's performance at the highest level.

WASHING STATION
ECO100XXL

Cod. ECO100XXL120



ECO100XXL

ECO100XXL is a manual washing station designed for the cleaning, degreasing, and decarbonization of medium and large mechanical parts. The stainless steel work surface with its large area of 2100x1000 mm allows for a high level of working comfort.

ECO 100 XXL is equipped with splash guards made of alveolar polycarbonate; inside, there is an LED lamp positioned under the front edge to illuminate the parts, and there is also an air gun to dry the washed parts.

Work surface (LxD)	2100 x 1000 mm
Working height	770 mm
Overall dimensions (WxD)	2100 x 1000 mm
Front edge height	870 mm
Rear edge height - side with partition	1770 mm
Maximum capacity for C.U.D. (uniformly distributed load)	150 Kg
Operating temperature range	From ambient temp. to 50°C
Comfort temperature (standard)	35°C
Heating Power	800W
Liquid Pump Power	80W
Liquid pump flow rate	400 lt/h
Maximum tank capacity	120 lt
Optimal detergent load capacity (MC100)	100 lt
Minimum operating level	60 lt
Power supply	220V (230V 50Hz)
Empty weight	115 Kg c.a.
Mixed material	LDPE - Stainless Steel

THE ATTENTION TO DETAIL MAKES THE DIFFERENCE

ECO100XXL is equipped with a forced oxygenation system with the function of maintaining the stability of the cleaning liquid even in the presence of strong or very strong contaminants.

Furthermore, it helps the flotation of the contaminants, contributing, together with the 5 filtration stages, to maintaining the product's performance at the highest level.

WASHING FLUID **MC100N**

Cod. PFPP20024



DEGREASE RESPONSIBLY*

- ☒ Solvent-free
- ☒ Without caustic products
- ☒ Without microorganisms

LAST GENERATION DEGREASER

Able to work effectively at low pressure (by brush),
at a temperature of 35 degrees.

A UNIQUE PRODUCT ON THE MARKET

With high cleaning properties, it has been designed using
extremely advanced and innovative technologies for the
protection of the operator and the environment.

ITS ACTION ALLOWS

To remove residues of oil, grease, heavy dirt, carbon deposits
without causing rust on ferrous metals and without damaging
aluminum, brass, plastic, and rubber.

HEALTH AND ENVIRONMENT

Product of great effectiveness, but with great respect for the environment
and especially for the health of the operator, it contains neither solvents,
nor caustic agents, nor microorganisms. Thanks to this, the product does
not carry any hazard labeling.

HOW MC100N WORKS

MC100N degreases, cleans, decarbonizes, protects against corrosion
and when left standing is stable, due to the effect of surfactants it
SEPARATES CONTAMINANTS in a few minutes. This results in the delivery
to authorized disposers of only the contaminant part, without having
to dispose of everything, as happens with other detergents.

AFTER THE WASHING OPERATIONS

Dry the washed parts with compressed
air to remove any residue.

WASHING STATION
ECO100
Smart



ECO100SMART

ECO 100 SMART is a manual hot washing station, with the possibility to set the temperature via the side display from 0 to 35°C. Equipped with a side tap for the total draining of the tank with maximum ease, thus facilitating the operator in cleaning the internal part.

ECO100 SMART is equipped with a forced oxygenation system with the function of maintaining the stability of the cleaning liquid even in the presence of strong or very strong contaminants. Furthermore, it helps the flotation of these, contributing, together with the 3 filtration stages, to maintaining the product's performance at the highest level. Its particular feature is portability; in fact, ECO100 SMART is small, lightweight, and compact. Thanks to these characteristics, it is possible to move it or take it with you on business trips.

Work surface (LxD)	480 x 350 mm
Overall dimensions (LxD)	720 x 400 X 370 (h) mm
Maximum Capacity	50 Kg
Operating temperature range	34°C
Heating Power	400W
Liquid Pump Power	40W
Optimal capacity	25 lt
Minimum operating level	15 lt
Power supply	220V (230V50 60Hz)
Empty weight	16 Kg c.a.
Material	LDPE



WHERE TO USE ECO100 SMART?

The Alchemia innovation, ECO100 SMART, can be used:

- > On board the machine
- > On equipped vans
- > On workbench
- > In workshops of various sizes
- > On trolley with wheels
- > In the maintenance departments

WHO USES ECO100 SMART?

It can be used by:

- > Mechanics
- > Professionals
- > Quality control
- > Hobbyist
- > Internal Maintainers
- > model making
- > External maintenance personnel
- > etc.



WASHING FLUID

MC₁₀₀Smart

Cod. PFPP20044



DEGREASE RESPONSIBLY*

- ☒ Solvent-free
- ☒ Without caustic products
- ☒ Without microorganisms

DEGREASING DECARBONIZING CLEANER FOR ECO 100 SMART WASHING STATIONS

MC100 SMART IS IN FACT TOTALLY FREE OF SOLVENTS

(VOCs) and is composed of selected surfactants all with INCI (cosmetic) characteristics, which allow it to deliver a superior quality degreasing and protective cleaning action, capable of excellently replacing solvents. Its action allows the removal of oil residues, grease, heavy dirt, carbonaceous residues both hot and cold without causing ferrous metals to rust and without damaging metals or delicate plastic parts, such as aluminum, carbon, or others.

HOW IT WORKS

MC100 SMART wedges under the dirt detaching it, emulsifying it and bringing to emulsion the grease, carbonaceous residues, etc. etc. The innovative characteristic of MC100 SMART lies in the fact that after washing, the portion of oil and grease emulsified by the effect of the surfactants separates and rises to the surface after a few minutes. This property allows operators to perform maintenance of the washing liquid simply by “skimming” the separated oil, thus greatly extending the life of the detergent. This characteristic practically eliminates the need to dispose of the cleaning solution, requiring only replenishment, with great economic advantage.

WHERE TO USE ECO100 SMART

The Alchemia innovation can be used:

- ✓ On board the machine
- ✓ On workbench
- ✓ On trolley with wheels (optional)
- ✓ On equipped vans
- ✓ In workshops of various sizes
- ✓ In the maintenance departments

> WHO USES ECO100 SMART

ECO100 SMART can be used by:

- ✓ Mechanics
- ✓ Quality Control
- ✓ Internal Maintainers
- ✓ External maintenance technicians in van
- ✓ Professionals
- ✓ Hobby, modeling, etc.

WASHING STATION
ECO100CR



ECO 100 CR - TAGLIA M

Cod. ECO100CRM

It is a hot rotary basket washing station, made of stainless steel, for washing small and medium-sized mechanical parts. Suitable for the industrial sector (maintenance/production) and the automotive sector (car repair shops and heavy vehicle workshops).

The washing is performed by the action of nozzles positioned on the top, bottom, and sides, and thanks to the circular motion of the basket which rotates via a rack driven by a gear motor.

The temperature can be set up to 60° C. The cycle time can be set.

The maximum basket load capacity is 200 Kg.

ECO 100 CR - TAGLIA L

Cod. ECO100CRL

It is a hot rotary basket washing station, made of stainless steel, for washing small and medium-sized mechanical parts. Suitable for the industrial sector (maintenance/production) and the automotive sector (car repair shops and heavy vehicle workshops).

The washing is performed by the action of nozzles positioned on the top, bottom, and sides, and thanks to the circular motion of the basket which rotates via a rack driven by a geared motor. The temperature can be set up to 60° C. The cycle time can be set.

The maximum basket capacity is 300 Kg.

	M	L
Closed dimensions	146x144x125 cm	166x159x145 cm
Overall dimensions when open	146x175x191 cm	166x206x211 cm
Washing capacity	95x54H cm	117x70H cm
Basket capacity	200 Kg	300 Kg
Tank Capacity	210 lt	270 lt
Washing pump	1.5 kW	1.5 kW
Washing pressure	2.5 bar	2.5 bar
Washing capacity	200 lt/min.	200 lt/min.
Heating power	6 kW	8 kW
Maximum temperature	60°C	60°C
Mechanical rotation	0.09 kW	0.09 kW
Vapour extraction	0.25 KW	0.25 KW
Suction volume	320 Nm/h	320 Nm%/h
Number of nozzles	49	49
Power Supply	3 Phases + Ground	3 Phases + Ground

WASHING FLUID
MC100CR



MC100 CR

Special degreasing and decarbonizing detergent for rotary basket machines.

FEATURES & APPLICATIONS

MC 100 CR is an alkaline degreasing product to be used for washing parts and articles in ALUMINUM, yellow alloys such as BRASS COPPER BRONZE ETC., soiled, encrusted with dirt, carbonaceous residues and/or processing residues. MC 100 CR, thanks to its innovative formula, is perfectly compatible with the aforementioned metals, so much so that it does not cause dulling, staining or unwanted browning as happens with most other alkaline products.

MC 100 CR, in fact, is particularly suitable for dissolving and eliminating those substances that normally make up protective coatings, both oily and waxy, lubricants and cutting oils, both mineral and synthetic, calamine, dirt and the most stubborn encrustations, deriving from internal combustion engines of any kind, etc. Its cleaning action, combined with the total absence of residues on the washed parts, allows any subsequent processing to be carried out without the need for further treatments especially if it concerns: painting, welding, bonding, assembly, and so on, without further treatments.

MC 100 CR presents a series of advantages:

INNOVATIVE

MC 100 CR is the best substitute for powder products widely used in rotary basket machines. It improves machine performance, is faster to use and dilute, and above all DOES NOT clog the spray nozzles.

EFFECTIVE AND PRACTICAL IN USE

MMC 100 CR has an aqueous-based formulation, dilutable in water in any ratio, thus allowing an extremely wide dilution range adaptable to both light dirt and extremely heavy dirt, enabling it to interact with accumulations and encrustations of dirt of both organic and inorganic origin present on aluminum and yellow alloys like no other detergent in the range;

SAFE FOR MACHINES AND OPERATORS

Thanks to its balanced formulation and being completely solvent-free, MC 100 CR, at the usage percentages, removes dirt deeply without damaging or staining the treated non-ferrous metals, while simultaneously respecting the sanitary conditions of the operators and fully preserving the efficiency of the machines in which it is used.

MC100 CR
(BASE)

Cod. PFPP20224

MC100 CR
SPECIAL (FORTE)

Cod. PFPP20225

AN IDEAL **PARTNER**



Present in all sectors

Component degreasing
Surface cleaning
Protection
Lubrication
Welding

Alchemia srl

Via della Musia, 101
25135 Brescia - ITALIA
Tel. +39 030 2357327
info@alchemia.biz



Authorized dealer:

www.alchemia.biz