



COMPACT SERIES



VERSION
G/R/3P

LP SERIES

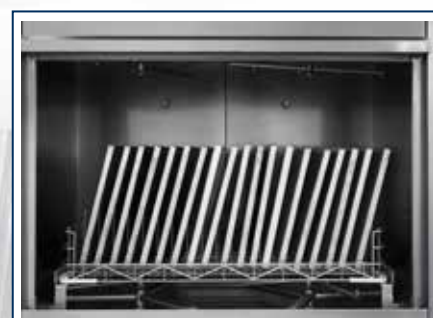
THE MOST POWERFUL MACHINE OF ITS CATEGORY

The LP Series has been created to solve quickly and thoroughly all problems related to hygiene and cleaning in any field.

The washing system of the LP Series has been designed to obtain the best possible result. The basket is specifically designed to allow water jets to reach every nook and cranny through stainless-steel rotating arms placed on the upper and lower parts of the material to wash.

PRODUCTIVITY

High loading capacity, low costs and high hygienic standard ensured for any sector.



PLUS LP SERIES

VERSATILITY

The LP Series is made up of various versions that are suitable for every kind of environment and productivity.

They can have different types of front doors: a vertical sliding door or a tilt and turn door or three doors with a pass-through basket.



SAVINGS

Efficacy and Performance. Thanks to the depth of the basket, all the versions of the LP series wash twice as much as a standard machine, while maintaining the same performance and guaranteeing half the consumption.

POWER

The special washing system with booster and rotating arms is powered by fibre and steel pumps, which can solve all dirt problems, even in environments with limited space and high production needs.

CLEANING

The washing chamber is large and free of any obstruction that could cause dirt and bacteria to build up.

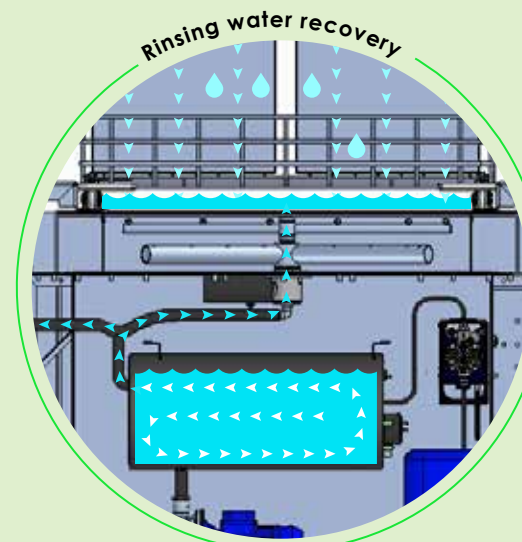
This facilitates cleaning and ensures compliance with health and hygiene standards.



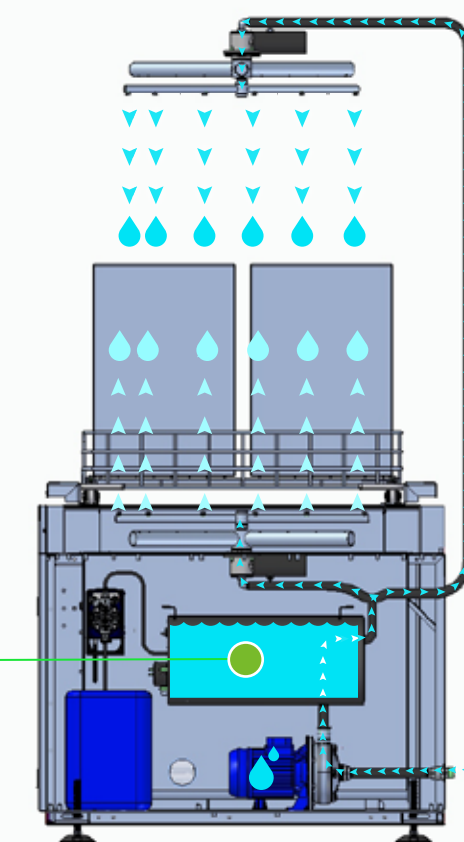
GREEN ORIENTED

The washing system is designed to reuse clean rinsing water, therefore minimizing water and electricity consumption.

The larger capacity allows the same amount of rinsing water to be used as with a normal washer, reducing consumption per item washed.



1 RINSE CYCLE
=
+ RINSED MATERIAL



Pictured here the LP 1000 G model in the 4.0 version

WHICH TYPE OF OPENING TO CHOOSE?

▶ THE VERTICAL SLIDING DOOR "G"

It is particularly indicated for limited spaces and for those industries in which an in-depth cleaning of the machines is required. Indeed, this system allows cleaning of the innermost parts of the tank, including tank resistances that are often burned due to dirt build-up.

▶ THE TILT AND TURN DOOR "R"

It is particularly indicated for industries in which heavy materials or large quantities of small materials are used. This system facilitates and supports the loading and unloading through a basket on wheels.

▶ THE THREE DOOR VERSION "3P"

It is particularly indicated for industries with large quantities of trays, pots and pans and dishes etc. The side-loading system with baskets on wheels allows to reduce loading and unloading downtimes.



GENERAL CHARACTERISTICS

- Rinsing pump for LP 1300 models
- Stainless-steel basket
- Floor drain

WASHING

- Washing and rinsing at 85° C
- 3 washing cycles: 120 sec. / 240 sec. / 360 sec.
- Rinsing cycle: 20 sec.



LP 650 G

LP 650 R

PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- n° 6 ice-cream containers 8 l;
- n° 9 trays mm 600x400x15h;



LP 800 G

LP 800 R

LP 800 A R

PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 12 trays mm 600x400x15h;
- n° 6 trays mm 600x800x20h mod. LP 800 A R;
- n° 1 crate mm 600x400;
- n° 1 crate mm 630x500;

▶ INCREASED INTERNAL WORKING HEIGHT



LP 1000 G

LP 1000 R

LP 1000 3P

PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 16 trays mm 600x400x15h;
- n° 10 trays mm 600x800x20h;
- n° 2 crates mm 600x400;
- n° 2 crates mm 630x500;
- n° 1 crate mm 760x500;
- n° 38 standard dishes Ø 28 cm mod. LP 1000 3P;
- n° 19 pizza dishes Ø 28 cm; mod. LP 1000 3P;

The LP 1000 3P can be equipped (optional) with the DOUBLE POWER system that allows you to use, via selector, two different powers of the washing pump to allow the optimal cleaning of dishes and pans with two different pressures, suitable for the material to be washed.



LP 1300 G

LP 1300 R

LP 1300 AG

LP 1300 AR

▶ INCREASED INTERNAL WORKING HEIGHT

▶ INCREASED INTERNAL WORKING HEIGHT

PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 20 trays mm 600x400x15h;
- n° 18 trays mm 600x800x20h mod. LP 1300 AG e LP 1300 AR;
- n° 10 trays mm 600x800x20h;
- n° 2 crates mm 600x400;
- n° 2 crates mm 630x500;
- n° 1 crate mm 760x500;
- n° 2 bins Ø mm 500x800h mod. LP 1300 A G e LP 1300 A R;

FOR ALL TYPES OF PRODUCTIONS

The LP series is available in different dimensions to allow its use with low costs and high hygiene standards in any industry, those with limited spaces too.



HO.RE.CA.



SEA FOOD


CONFECTIONERY
AND PASTRY


DAIRY



POULTRY FARMS



BAKERY



GDO


AGRICULTURAL
SECTOR

MEAT AND
COLD CUTS

AUTOMATION
AND AUTOMOTIVE

CHEMICAL
PHARMACEUTICAL

FOOD
INDUSTRY


HOSPITAL


COSMETIC
INDUSTRY

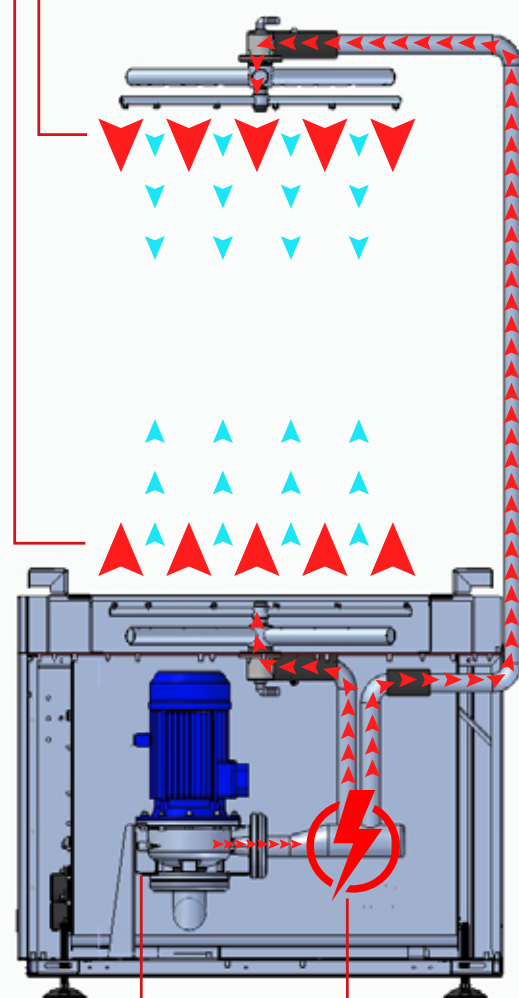
ADVANTAGES AS STANDARD

WASHING BOOSTER

The special technology with an expansion tank introduced by Velox allows the washing pressure to be increased and balanced between upper and lower jets.

Ensuring the correct pressure and spray distribution reduces washing time and maximizes cycle quality.

Thanks to the Booster, the upper and lower pressure have the same washing power.



Pressure pump

Pressure booster

VERTICAL PUMPS



To ensure maximum hygiene of the machine, the pumps are installed vertically in order to completely drain residual water, thus eliminating the risk of dangerous stagnating water.

Their power goes from 2,6 to 2,9 kW. For special requirements it is possible to install 3 kW stainless-steel pumps (optional).

CONTROL PANEL



The machine is electronically controlled to set washing cycles of 2 – 4 – 6 minutes or 4 – 8 – 12 minutes. Moreover, the control panel allows to display temperatures, door alarms and engine thermal release.

INTERNAL TANK HOLDER FOR LP 1300 MODEL



The LP 1300 models are equipped with a built-in tank holder compartment with access key to ensure compliance with hygiene and health regulations

LARGE STAINLESS STEEL BASKET



The basket is designed to allow 360° washing thanks to the rotating arms that can reach even the most difficult spots.

OPTIONAL

DISINFECTION KIT

The disinfection kit is a veritable additional cycle that allows different types of disinfectant to be used.

Many products are residuals, which is why adding them to rinse water may leave them on the washed material at the end of the cycle. Therefore, it is recommended to use **Sanivelox** a 150-volume (non-residual) H₂O₂ hydrogen peroxide. If chlorine (a residual product) is used, the disinfection kit is absolutely necessary.

Our system comprises a dosing pump for disinfectant, a pre-mixing boiler (where the disinfectant solution is dosed) and a double cycle of:

- > Spraying with Pre-Rinse
- > Pause for Product Action
- > Final Rinse

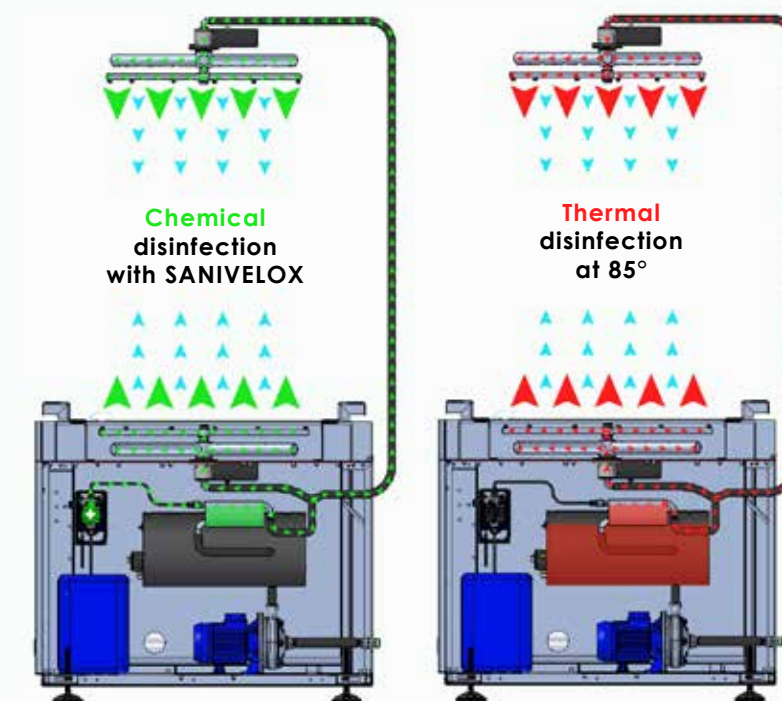
When the washing cycle is activated, the dosing pump loads a pre-set quantity into the pre-mixing boiler.

By loading it at the start of the wash cycle and by using it in the same cycle, you can be sure that Sanivelox (easily evaporable hydrogen peroxide) is dosed at the time of use and is 100% effective, thus ensuring complete disinfection.

After washing, the disinfectant mixture is sprayed by the rinsing nozzles in the pre-rinse cycle.

A pause allows the disinfectant to act on the washed material, then everything is removed with a rinse cycle at 85°.

This system ensures a chemical disinfection and a thermal disinfection with the certainty that the washed material will not have any residues of disinfectant product on it.



STEAM POWERED



Only the LP 1300 can be equipped with an indirect steam heating system. Steam technology allows to heat both wash and rinse water through stainless-steel coils to return condensate at 95°, which can then be reused to produce new steam. This closed-loop system cuts energy, water, water treatment and detergent costs, it increases hygiene and avoids contact of the machine process water with steam that could be distributed through pipes unsuitable for food consumption.

STAINLESS STEEL PUMPS



For special requirements, all LP models can be equipped with 3 kW stainless steel washing pumps.

RINSING PRESSURE BOOSTER PUMP



For special requirements, it is possible to install pumps to increase rinsing water pressure.

TEMPERATURE PEAK CONTROL KIT



In industries such as meat and cheese processing, if the machine is used continuously, rinsing at 85° increases the temperature of the washing tank, which may cook the proteins present on the material to be washed.

A dual hot/cold feed system with a double thermostat allows to maintain the washing temperature at 50°, thus optimising quality.

ENERGY SAVING KIT

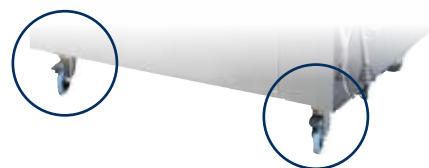


The machine can be equipped with a system that allows heating resistances to be disconnected if the available power threshold is exceeded, in order to avoid financial penalties and cost overruns.

This technology can be integrated to any energy saving system.

WHEEL KIT

With flexible drains, this kit allows the machine to be moved to facilitate the cleaning of the area. These four special reinforced rubber wheels with supports and stainless-steel bearings, are equipped with a frontal catch and a pivot to level the machine.



TABLE/SINK COMBINATION LP 1000 3P



Both the table and the sink of the LP 1000 3P can be installed on the right and/or on the left.

FUME EXTRACTOR



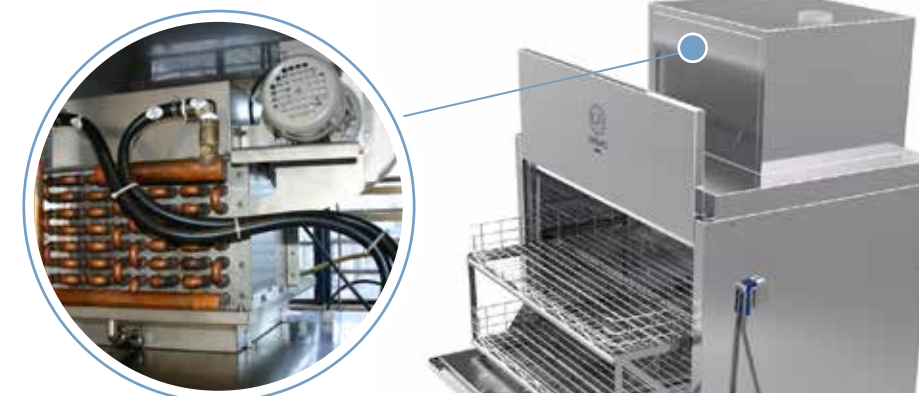
To reduce moisture emissions into the environment, it is possible to install a fume extractor that works both during rinsing and at the end of the cycle.

EXTERNAL TANK HOLDER



For all models, except for the LP 1300, external jerrycan holders are available for 1 or 2 jerrycans, max 22 kg.

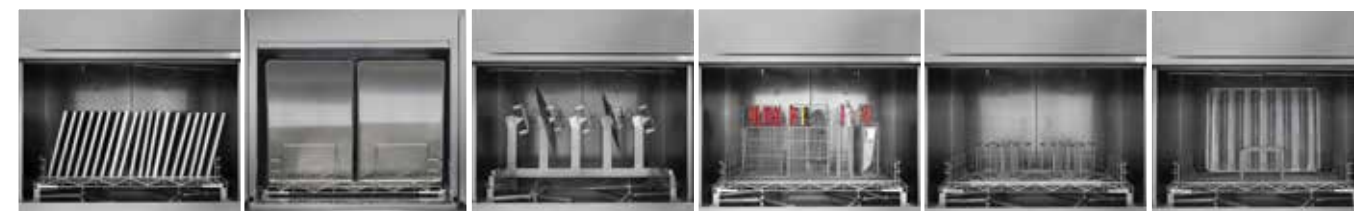
CONDENSER AND RECOVERY UNIT



Continuous research for energy-saving solutions is the basis for the technology of the condenser and the heat recovery unit with an 8-litre exchange coil, which can be installed on the entire LP series except for the 650 models, to supply the machine with cold water.

The large amount of water present in the coil, in addition to condensing the steam produced by the washing and rinsing cycles, almost completely pre-heats the water used in rinsing, reducing consumption by up to 30%.

INSERTS



A wide range of supports, which can be customized to meet specific requirements, enables washing of the most different types of materials used in various sectors.

EXTERNAL SPRAY-HOSE FOR CLEANING



It allows the machine to be cleaned at the end of the day and the material to be pre-washed before the cycle starts.

BEEPER



To ensure compliance with health and hygiene regulations, the LP series is equipped with a lockable internal tank holder.

In order to easily check the detergent reserve, a buzzer connected to a dipstick is installed and inserted into the detergent tank to warn of a lack of detergent, reducing the risk of starting a wash cycle without detergent, which would compromise wash quality.

TECHNOLOGY 4.0 PIONEERS

We want to promote the production change that leads to fully automated and interconnected processes. For this reason, Velox Barchitta machines are designed to meet the requirements of Industry 4.0 standards.

Management program entirely designed, developed and managed by Velox Barchitta

PLC control with simple and intuitive interface

Interconnection to computer systems

Data Upload and Remote Control

Automated Integration with Logistics Systems

Remote maintenance and remote diagnostics

Sensors for monitoring parameters and conditions

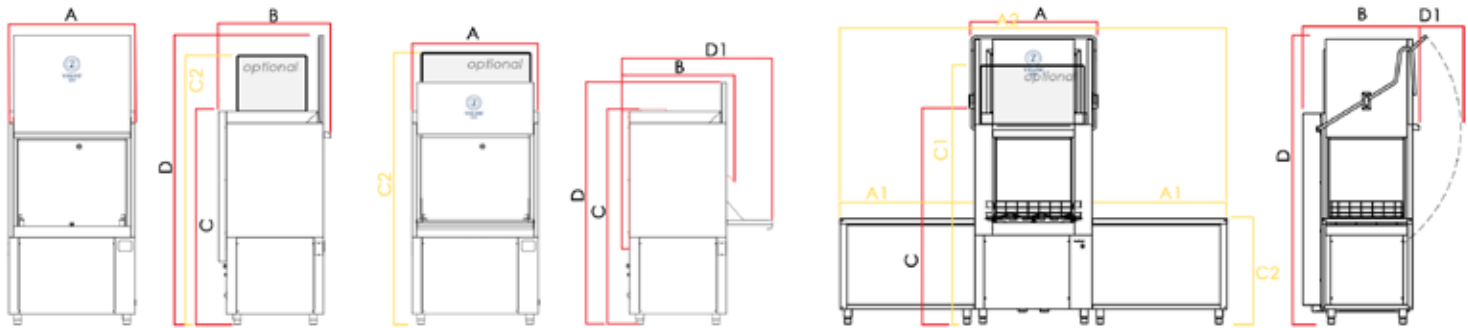
Certification of the cycle with control of parameters for Safety, Health and Hygiene

Adaptation to process trends



TECHNICAL DATA

	LP 650 G	LP 650 R	LP 800 G	LP 800 R	LP 800 A R	LP 1000 G	LP 1000 R	LP 1000 3P	LP 1300 G	LP 1300 A G	LP 1300 R	LP 1300 A R
A - WIDTH (mm)	690	690	840	840	840	1040	1040	1050	1300	1300	1300	1300
A1 - WIDTH WITH SIDE TABLE (mm)	-	-	-	-	-	-	-	1000	-	-	-	-
A2 - WIDTH WITH SIDE TABLES (mm)	-	-	-	-	-	-	-	3050	-	-	-	-
B - DEPTH (mm)	780	760	923	900	900	923	900	975	923	923	900	900
C - HEIGHT (mm)	1823	1823	1823	1823	2013	1823	1823	1867	1823	2013	1823	2013
C1 - HEIGHT WITH RECOVERY UNIT (mm)	-	-	2383	2383	2573	2383	2383	2427	2383	2573	2383	2573
C2 - HEIGHT WITH SIDE TABLE (mm)	-	-	-	-	-	-	-	932,5	-	-	-	-
D - HEIGHT WITH OPEN DOOR (mm)	2474	2071	2474	2071	2245	2474	2071	2560	2474	2857	2071	2245
D1 - DEPTH WITH OPEN DOOR (mm)	780	1098	923	1240	1430	923	1240	1401,5	923	923	1240	1430
INTERNAL WORKING DEPTH (mm)	513	513	663	663	663	863	863	863	1063	1063	1063	1063
INTERNAL WORKING WIDTH (mm)	519	519	660	660	660	660	660	660	660	660	660	660
INTERNAL WORKING HEIGHT (mm)	678	693	678	693	867	678	693	650	678	867	693	867
WORKING HEIGHT WITH BASKET (mm)	653	668	653	668	842	653	668	600	653	842	668	842
BASKET SIZE (mm)	500 x 500	500 x 500	650 x 640	650 x 640	650 x 640	850 x 640	850 x 640	850 x 640	1050x640	1050x640	1050x640	1050x640
WASHING TANK CAPACITY (l)	45	45	60	60	60	70	70	70	90	90	90	90
WATER CONSUMPTION/CYCLE (l)	6	6	6	6	8	8	8	8	12	14	12	14
WASHING PUMP (kW)	2,4	2,4	2,4	2,4	2,4	2,9	2,9	2,9	2 x 2,6	2 x 2,6	2 x 2,6	2 x 2,6
RINSING BOOSTER PRESSURE PUMP (kW)	-	-	-	-	0,44	-	-	-	-	0,75	-	0,75
TANK HEATING RESISTANCE (kW)	4	4	4	4	4	6	6	6	12	12	12	12
BOILER HEATING RESISTANCE (kW)	4	4	4	4	4	6	6	6	12	12	12	12
RINSING BOILER CAPACITY(l)	9	9	9	9	9	11	11	11	25	25	25	25
TOTAL CONSUMPTION (kW)	6,4	6,4	6,4	6,4	6,9	8,9	8,9	8,9	17,2	17,9	17,2	17,9
CHIMNEY (ø mm)	210	210	210	210	210	210	210	210	260	260	260	260
WATER LOAD (inch)	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M
WATER DRAIN (inch)	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M	1" 1/2 M
POWER SUPPLY	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz
STANDARD WATER SUPPLY (°C)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
CONTROL PANEL VOLTAGE (V)	8	8	8	8	8	8	8	8	8	8	8	8
WASHING CYCLES (min.)	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'	2'-4'-6' / 4'-8'-12'
RINSING CYCLES (min.)	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"
WEIGHT approx. (Kg)	165	170	180	180	200	240	240	300	250	270	250	250
NOISE LEVEL (dB)	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2bar STEAM SUPPLY ELECTRIC CONSUMPTION (kW)	-	-	-	-	-	-	-	-	5,2	5,9	5,2	5,9
RINSING BOOSTER PRESSURE PUMP	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,75	-	0,75	-
STEAM CONSUMPTION (Kg/h)	-	-	-	-	-	-	-	-	22	22	22	22
STEAM INLET (inch)	-	-	-	-	-	-	-	-	3/4"	3/4"	3/4"	3/4"
CONDENSATE DRAIN (inch)	-	-	-	-	-	-	-	-	1/2"	1/2"	1/2"	1/2"
WATER SUPPLY FOR WASHING TEMPERATURE PEAK CONTROL KIT (°C)	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD	50° + COLD
TIMED FUME EXTRACTION CONSUMPTION (kW)	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18
CHIMNEY WITH FUME EXTRACTOR (ø mm)	120	120	120	120	120	120	120	120	120	120	120	120
FUME RECOVERY UNIT CONSUMPTION WITH CONDENSER (cold water supply) (kW)	-	-	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,18





Velox Barchitta was the first company to introduce industrial washing in Italy.

Founded in 1929, it now boasts almost a century of experience in the sector. Throughout its history, the company stood out due to quality and innovation, **designing revolutionary technologies such as the first and original home dishwasher or the granule washing system with Carbonet..**

Today it is able to design and produce any system for industrial washing and disinfection, exporting all over the world **multi-sector solutions** that combine **very high performance with very low costs.**

PRODUCT LINE

- **MINI** Small multifunctional glass, dish and object washers.
- **COMPACT** Fixed basket, multifunctional and various sized washing systems.
- **CABINS** Cabin washing systems with fixed and rotating base for large washing volumes.
- **TUNNEL** Standard tunnel or openable roof washing systems. Also with in-line insertion.
- **STERIL LINE** Natural, sustainable and safe disinfection solutions suitable for any sector.
- **AUTOMATION** Automatic washing systems designed, engineered and manufactured according to customer's needs.
- **ADDITIVES** High-quality detergents that maximize machine performance.

RIVENDITORE

Velox Barchitta Srl

Via F. Petrarca, 37 - 43
20030 Senago MI

Tel. +39 02 366 49500

info@veloxbarchitta.it

www.veloxbarchitta.it