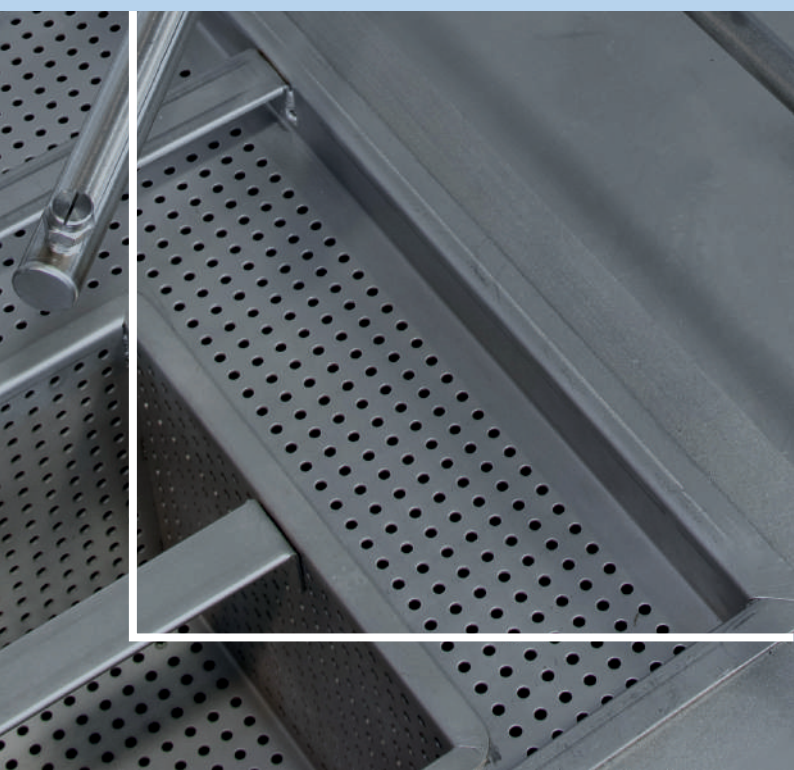




COMPACT LINE



VERSION  
**G/R**  
VERTICAL SLIDING  
OR TILT AND TURN  
**LCF SERIES**



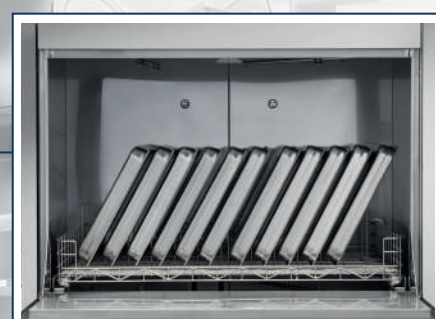
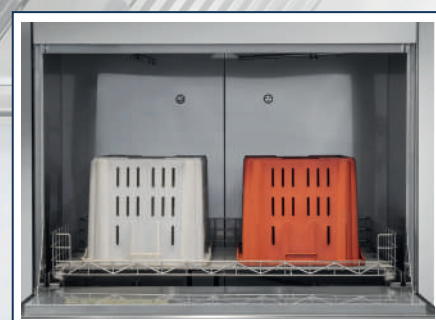
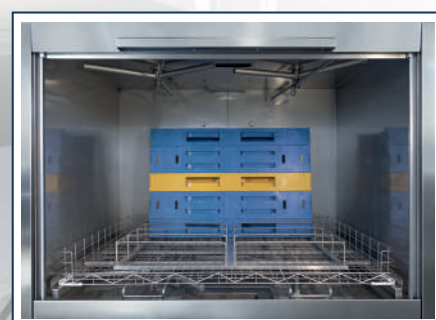
## THE SERIES THAT DOUBLES THE CAPACITY AT HALF THE COST

The LCF Series machines are oversized and unique. Their depth allows the washing capacity to be doubled, increasing productivity and reducing operating costs by 50% in terms of labour, water and electricity consumption.

Made entirely of stainless steel, they are the best solution on the market for this product category.

### +PRODUCTIVITY

High loading capacity, low costs and a high hygiene standard guaranteed for every production condition.



### +SAVING

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

### +VERSATILITY

The LCF series features versions to suit every type of environment and productivity. They can be equipped with a front tilt and turn door or vertical sliding door and three doors with a pass-through basket.



## PLUS LCF SERIES

### +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 requirements.

### +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.

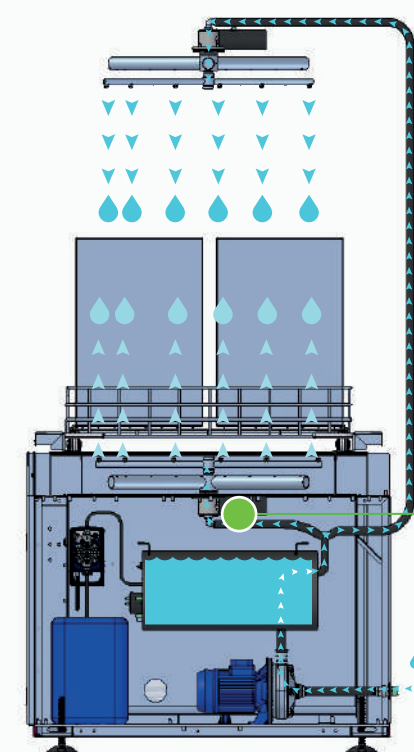
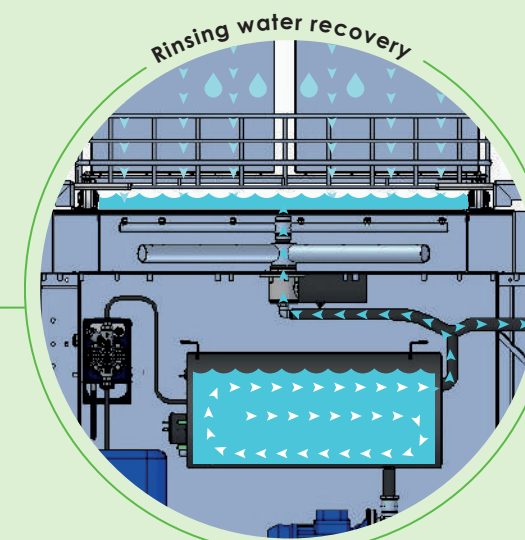


### +GREEN ORIENTED

The washing system is designed to reuse clean rinse water, minimising 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



The picture shows a LCF 1500 G 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 machine is required.

Indeed, this system allows cleaning of the innermost points of the tank, including heating resistances that are so 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.



#### CHARACTERISTICS

- Double insulated wall
- Lockable internal detergent tank holder
- Rinsing pump
- Stainless-steel basket
- Floor drain

#### WASHING

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



LCF 1000 G



LCF 1100 G

#### PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 32 trays mm 600x400x15h;
- n° 15 trays mm 600x800x20h;
- n° 7 trays mm 800x800x20h;
- n° 2 crates mm 600x400;
- n° 2 crates mm 630x500;
- n° 1 crates mm 760x500;
- n° 1 Europa bin Ø mm;



LCF 1500 R TWIN LEVEL



Ideal for large quantities of material.

#### PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 32 trays mm 600x400x15h;
- n° 15 trays mm 600x800x20h;
- n° 7 trays mm 800x800x20h;
- n° 2 crates mm 600x400;
- n° 2 crates mm 630x500;
- n° 1 crate mm 760x500;
- n° 1 Europa bin Ø mm;



LCF 1500 G



LCF 1500 R

#### PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 48 trays mm 600x400x15h;
- n° 24 trays mm 600x800x20h;
- n° 12 trays mm 800x800x20h;
- n° 4 crates mm 600x400;
- n° 2 crates mm 630x500;
- n° 2 crates mm 760x500;
- n° 1 Europa bin Ø mm;
- n° 4 pallet mm 1200x800x140h;
- n° 1 bin mm 1200x800x760h;



LCF 1800 G



LCF 1800 A G

#### PRODUCTIVITY

- laboratory tools;
- CPC series knife holders;
- ice-cream containers;
- n° 56 trays mm 600x400x15h;
- n° 28 trays mm 600x800x20h;
- n° 14 trays mm 800x800x20h;
- n° 6 crates mm 600x400;
- n° 4 crates mm 630x500;
- n° 4 crates mm 760x500;
- n° 2 Europa bins Ø mm;
- n° 4 pallets mm 1200x800x140h;
- n° 1 bin mm 1200x800x760h;
- n° 1 bin mm 1200x1000x760h;
- **n° 1 bin Ø mm 500x1000h**  
**only in the LCF 1800 A G model**

INTERNAL WORKING  
HEIGHT INCREASED

## FOR ALL TYPES OF PRODUCTION

The G and R versions of the LCF series are available in different sizes to allow their use with low costs and high hygienic standards in any productive industry, even in limited spaces.



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



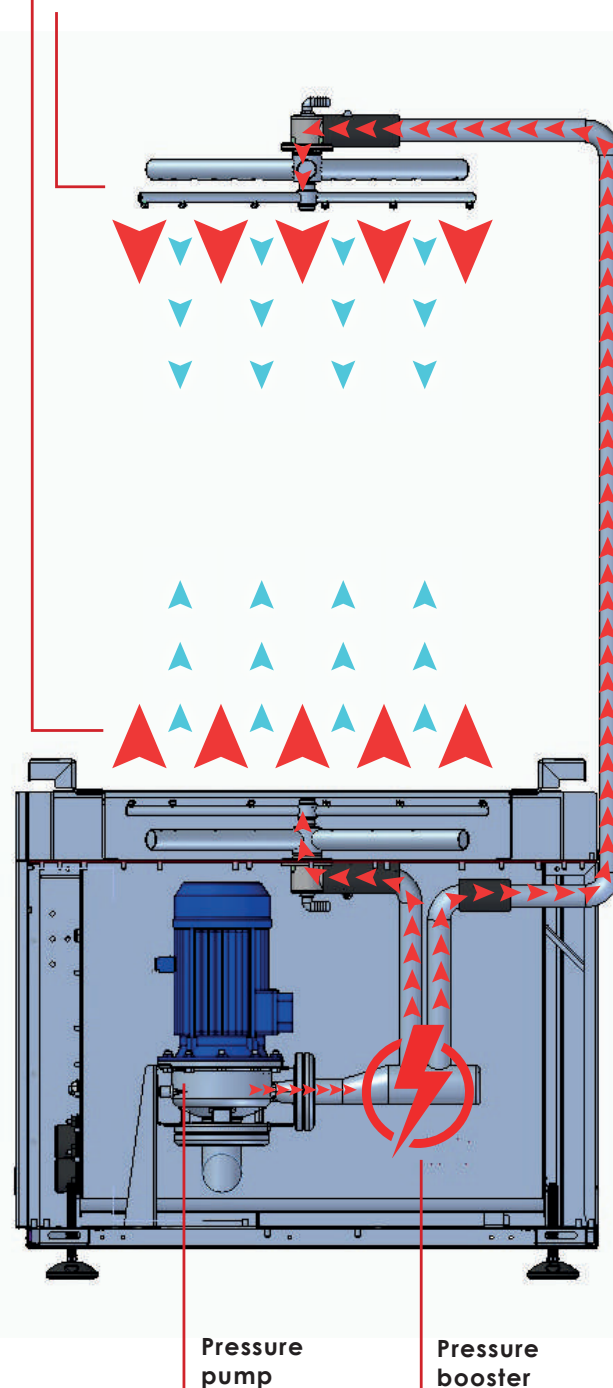
## ADVANTAGES AS STANDARD

## 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.



## INTERNAL TANK HOLDER



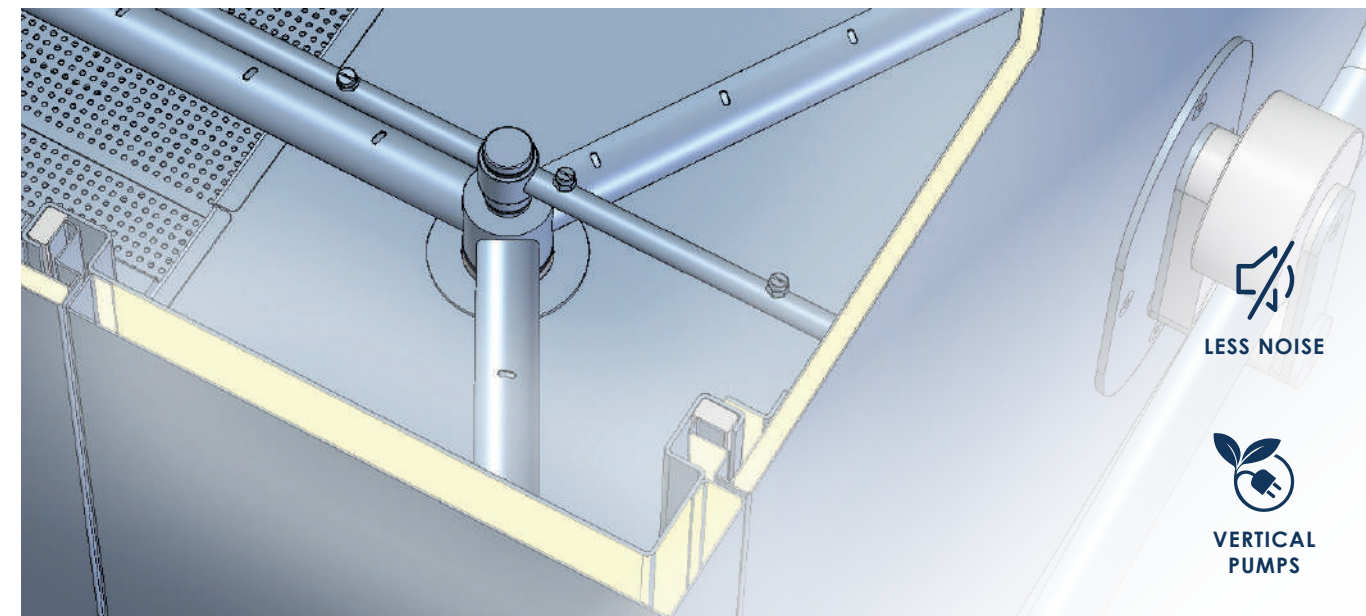
The built-in tank holder compartment is equipped with an access key to ensure compliance with hygiene and health regulations.

## LARGE STAINLESS-STEEL BASKET



The basket of every LCF series model has increased dimensions compared those of standard machines. This allows washing of high volumes and large quantities of material, reducing consumption per item washed.

## DOUBLE INSULATED WAL



The AISI 304 stainless-steel structure reduces noise pollution and energy consumption, and avoids water dispersion.

## VERTICAL PUMPS



To guarantee maximum hygiene of the machine, the pumps are installed vertically so that they drain completely residual water, thus eliminating the risk of dangerous stagnating water. Their power varies 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 also allows to display temperatures, door alarms and engine thermal release.



## 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 after the end of the cycle. Therefore, it is recommended to use SaniveloX a 150-volume (non-residual) H<sub>2</sub>O<sub>2</sub> 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**

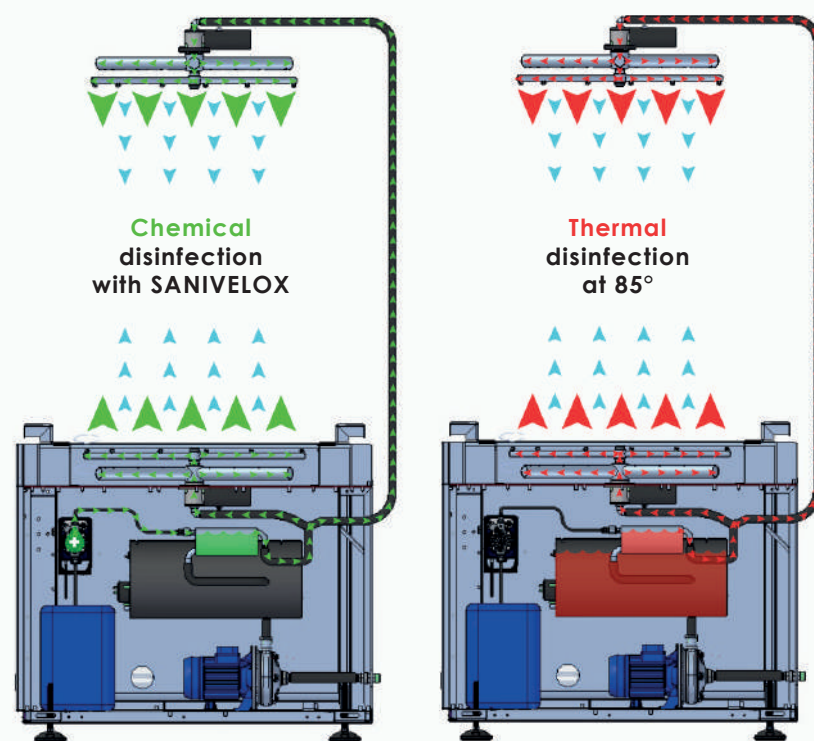
When the washing cycle is activated, the dosing pump loads a pre-set quantity into the pre-mixing boiler.

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.

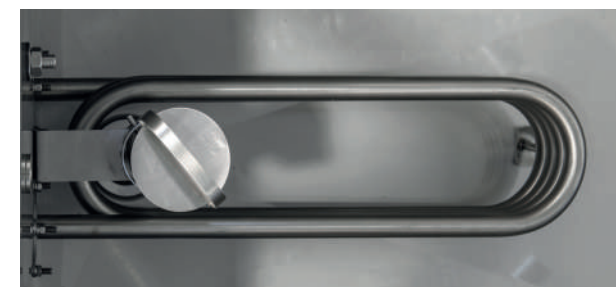
After washing, the disinfectant mixture is sprayed by the rinse nozzles in the pre-rinse cycle.

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

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



### STEAM POWERED

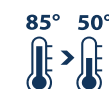


The entire LCF series can be equipped with the indirect steam heating system.

Steam technology heats 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 reduces energy, water, water treatment and detergent costs, increases hygiene and avoids contact of the machine's process water with steam that could be distributed through pipes unsuitable for food consumption.

### 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 optimizing 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.

### 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 LCF series, to supply the machine with cold water.

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

### 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.



### LOADING/UNLOADING TABLE



To facilitate loading/unloading of bins and pallets, it is possible to equip the machine with an external support table which makes material handling easier.

### FUME EXTRACTOR



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

### 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.

### STAINLESS-STEEL PUMPS



For special requirements, it is possible to install 3 kW stainless-steel pumps on all models of the LCF series.

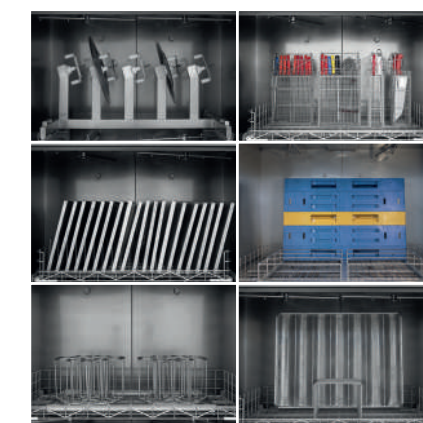
### BEEPER



To ensure compliance with health and hygiene regulations, the LCF 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 wash cycles without detergent that would compromise wash quality.

### 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.

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

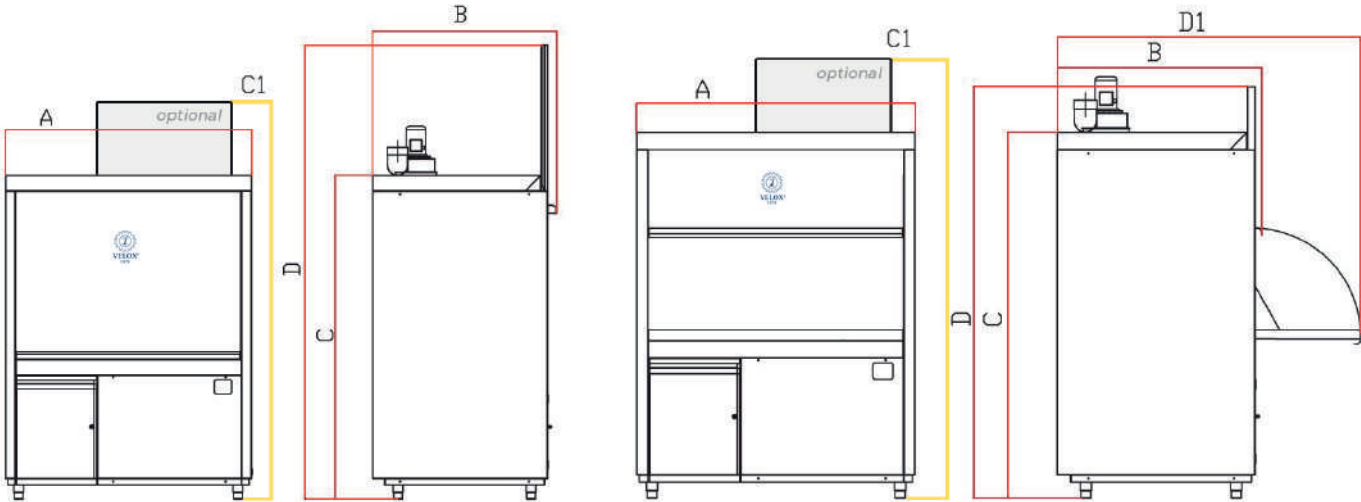
 Certification of the cycle with control of parameters for Safety, Health and Hygiene

 Adaptation to process trends



TECHNICAL DATA

	LCF 1000 G	LCF 1100 G	LCF 1500 G	LCF 1500 R e TWIN LEVEL	LCF 1800 G	LCF 1800 AG
A - WIDTH (mm)	1060	1160	1560	1560	1860	1860
B - DEPTH (mm)	1166	1266	1167	1150	1318	1318
C - HEIGHT (mm)	2062	2062	2065	2065	2065	2212
C1 - HEIGHT WITH RECOVERY UNIT (mm)	2642	2642	2645	2645	2645	2792
D - HEIGHT WITH OPEN DOOR (mm)	2893	2893	2893	2300	2893	3043
D1 - DEPTH WITH OPEN DOOR (mm)	1166	1266	1167	1650	1318	1318
INTERNAL WORKING DEPTH (mm)	930	1030	930	930	1030	1030
INTERNAL WORKING WIDTH (mm)	843	943	1344	1344	1644	1644
INTERNAL WORKING HIGHT (mm)	855	855	855	855	855	1000
WORKING HEIGHT WITH BASKET (mm)	830	830	830	830	830	975
BASKET SIZE (mm)	830 x 910	930 x 1010	1330 x 910	1330 x 910	1630 x 1010	1630X1010
WASHING TANK CAPACITY (lt)	90	100	130	130	170	170
WATER CONSUMPTION/CYCLE (lt)	9	9	12	12	14	14
WASHING PUMP (kW)	2,9	2,9	2x 2,6	2x 2,6	2x 2,9	2x 2,9
RINSING PUMP (kW)	0,75	0,75	0,75	0,75	0,75	0,75
TANK HEATING RESISTANCE (kW)	6	6	12	12	12	12
BOILER HEATING RESISTANCE (kW)	6	6	12	12	12	12
RINSING BOILER CAPACITY (l)	12	12	25	25	25	25
TOTAL CONSUMPTION (kW)	9	9	17,2	17,2	18	18
CHIMNEY (ø mm)	260	260	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
WATER DRAIN (inch)	2" M	2" M	2" M	2" M	2" M	2" M
POWER SUPPLY	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
STANDARD WATER SUPPLY (°C)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
CONTROL PANEL VOLTAGE (V)	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'
RINSING CYCLES (min.)	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"	25" / 40"
WEIGHT approx. (Kg)	290	320	485	470	530	530
NOISE LEVEL (dB)	68	68	70	70	72	72
2bar STEAM SUPPLY CONSUMPTION (kW)	2,9	2,9	5,2	5,2	5,8	5,8
STEAM CONSUMPTION (Kg/h)	25	25	30	30	35	35
STEAM INLET (inch)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
CONDENSATE DRAIN (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
WATER SUPPLY FOR WASHING TEMPERATURE PEAK CONTROL KIT (°C)	HOT + COLD	HOT + COLD	HOT + COLD	HOT + COLD	HOT + COLD	HOT + COLD
TIMED FUME EXTRACTION (kW)	0,18	0,18	0,18	0,18	0,18	0,18
CHIMNEY WITH FUME EXTRACTOR (ø mm)	120	120	120	120	120	120
FUME RECOVERY UNIT ABSORPTION WITH CONDENSER (cold water supply) (kW)	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](mailto:info@veloxbarchitta.it)

[www.veloxbarchitta.it](http://www.veloxbarchitta.it)