



PRODUCT DOCUMENT PACK

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PRODUCT

Sammic UX-120SBCV DD Pass-Through Dishwasher – 500×500 Rack, Steam Condenser, 2

Model / SKU: UX-120SBCV DD

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Glasswashers & Dishwashers AX-UX





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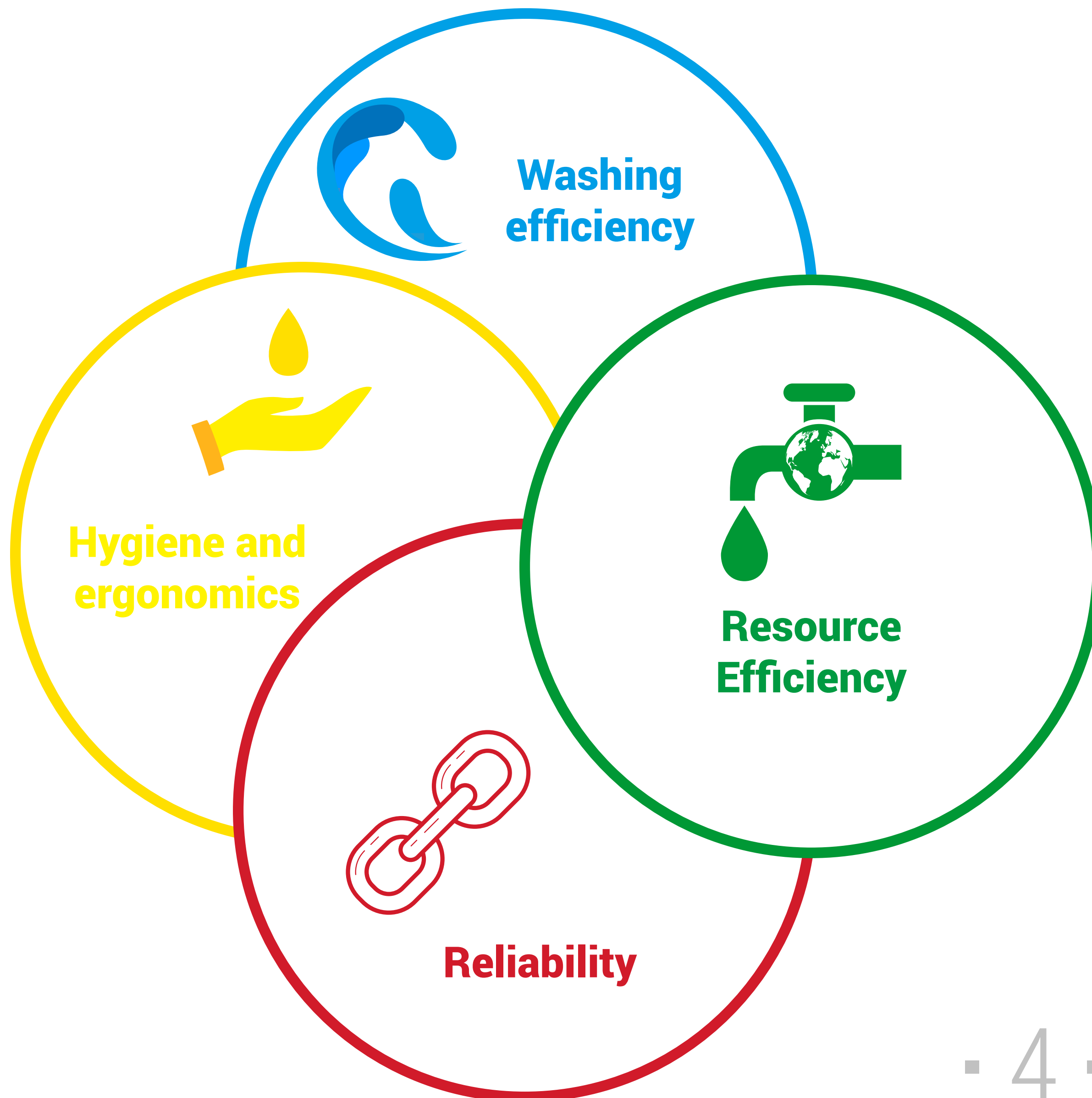
[HOME](#)

A new family for a new era

Sammic presents a new family of Ware Washing machines to meet the challenges of a new era. It offers the latest washing technologies that are simple and intuitive to use. A new flexible and customisable design to meet the expectations of a wide range of professionals. Guaranteeing the performance and reliability that have characterised Sammic dishwashers for over 50 years.



A family with values



The new generation of Sammic dishwashers is based on key design principles to provide an advanced user experience.

One core, two ranges

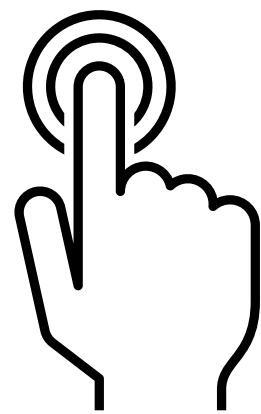
Washing efficiency, reliability, hygiene, ergonomics, optimised consumption... these are the technical attributes that every professional needs. That's why Sammic is offering two ranges of dishwashers based on a common core.

To add to this core, each professional chooses the control panel and equipment that best suits their working needs.

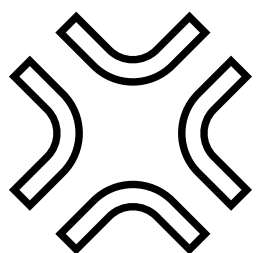


One core, two ranges

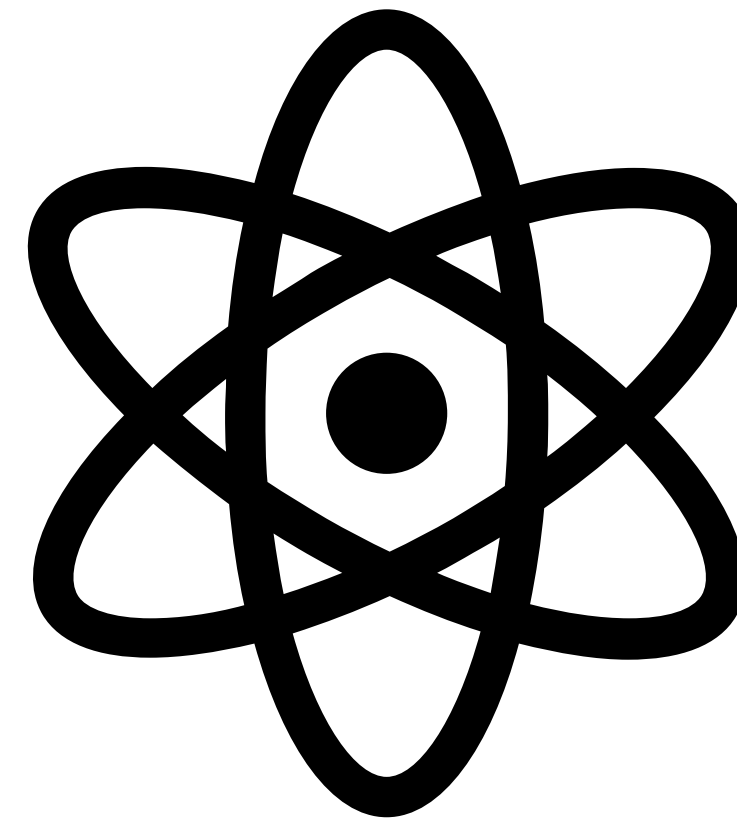
ACTIVE



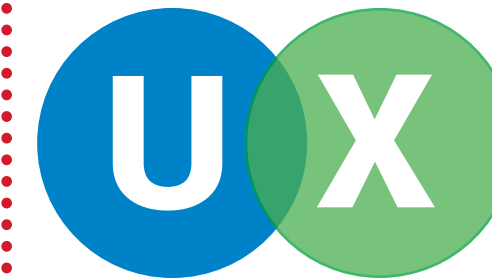
→ A simple, user-friendly control panel



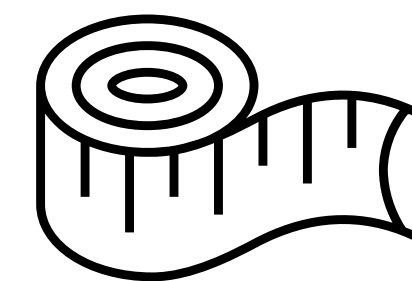
→ Standard versions



ULTRA



→ Unique user experience thanks to its colour LCD panel



→ Customisable with a long list of options.



HOME



COMMON FEATURES OF THE RANGE



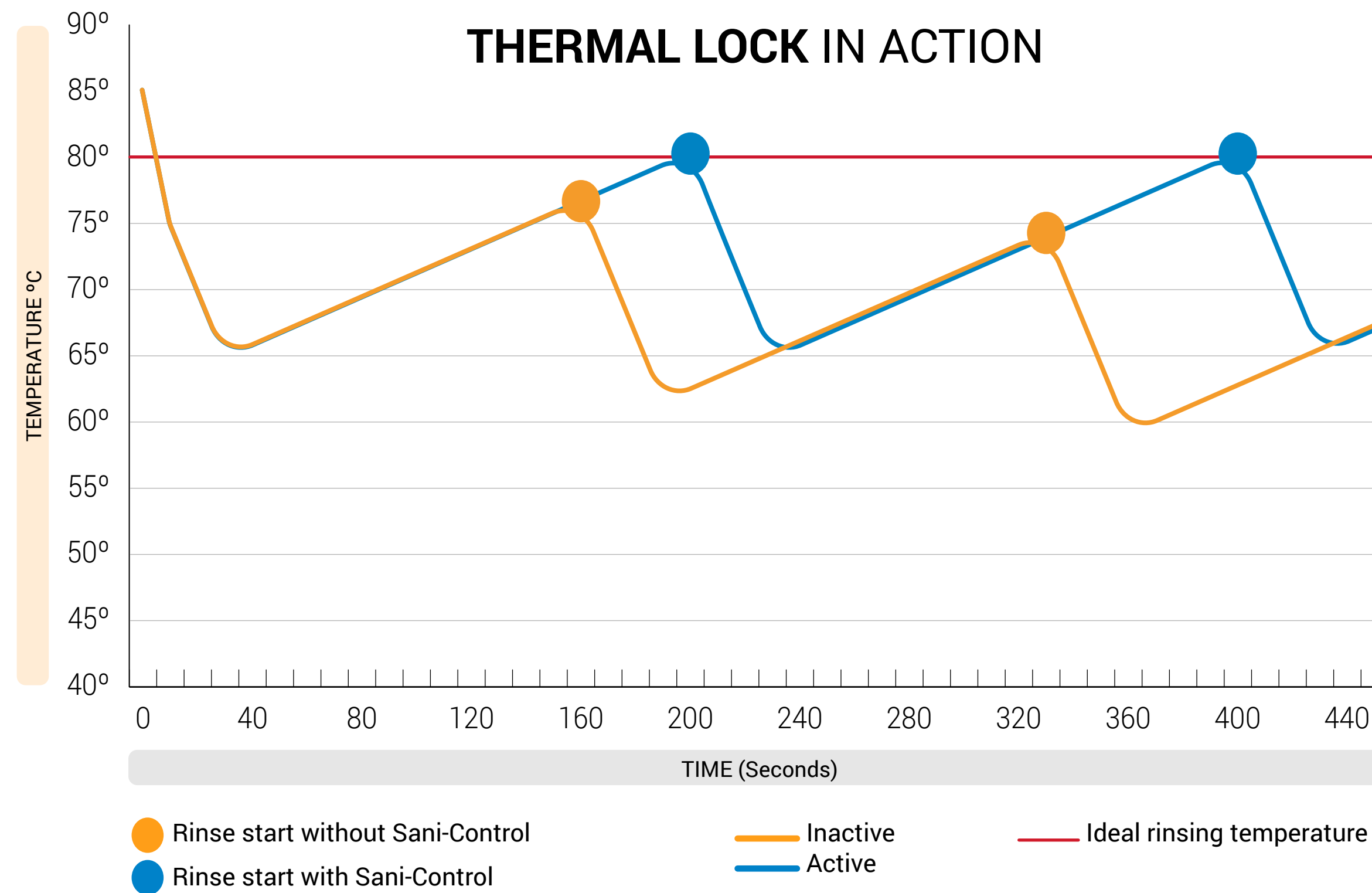


Sani-control

Hygiene under control

Sani-control

Sani-control: Thermal Lock



Sani-Control is the design concept applied to ensure the hygienic effectiveness of the dishwashers in the new Sammic ware washing range. This concept encompasses several solutions:

Thermal-Lock

Ensures that rinsing is only carried out when the ideal temperature for sanitising the dishes has been reached.

Sani-control

Sani-control: Hygiene guarantee

Hygiene guarantee

All our dishwashers have been designed according to DIN10534 standard to ensure optimum disinfection. In addition, the effectiveness of our dishwashers is backed by clinical tests in independent laboratories.





New deep-drawn bodywork

Ergonomic, robust and
resource efficiency

Deep-drawn bodywork

Ergonomic and robust

The new Sammic dishwashers have been designed using the latest manufacturing technologies, such as the deep-drawn process for the manufacture of the wash chambers. This construction technique offers numerous advantages that are useful on a day-to-day basis.



→ Basket guides are deep-drawn and integrated into the body for improved hygiene and structural robustness.



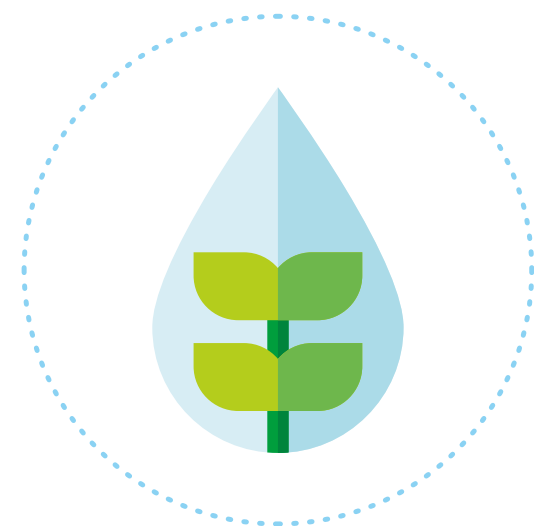
→ Ergonomic design with rounded corners to prevent the accumulation of dirt and facilitate cleaning.



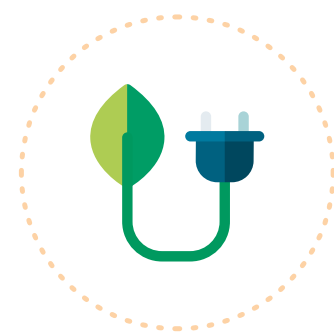
Deep-drawn bodywork

The new deep-drawn tanks offer a higher wash performance with a 30% saving* in water consumption.

Reduced water consumption saves other valuable resources, offering further savings and preserving the environment:



Water
30%

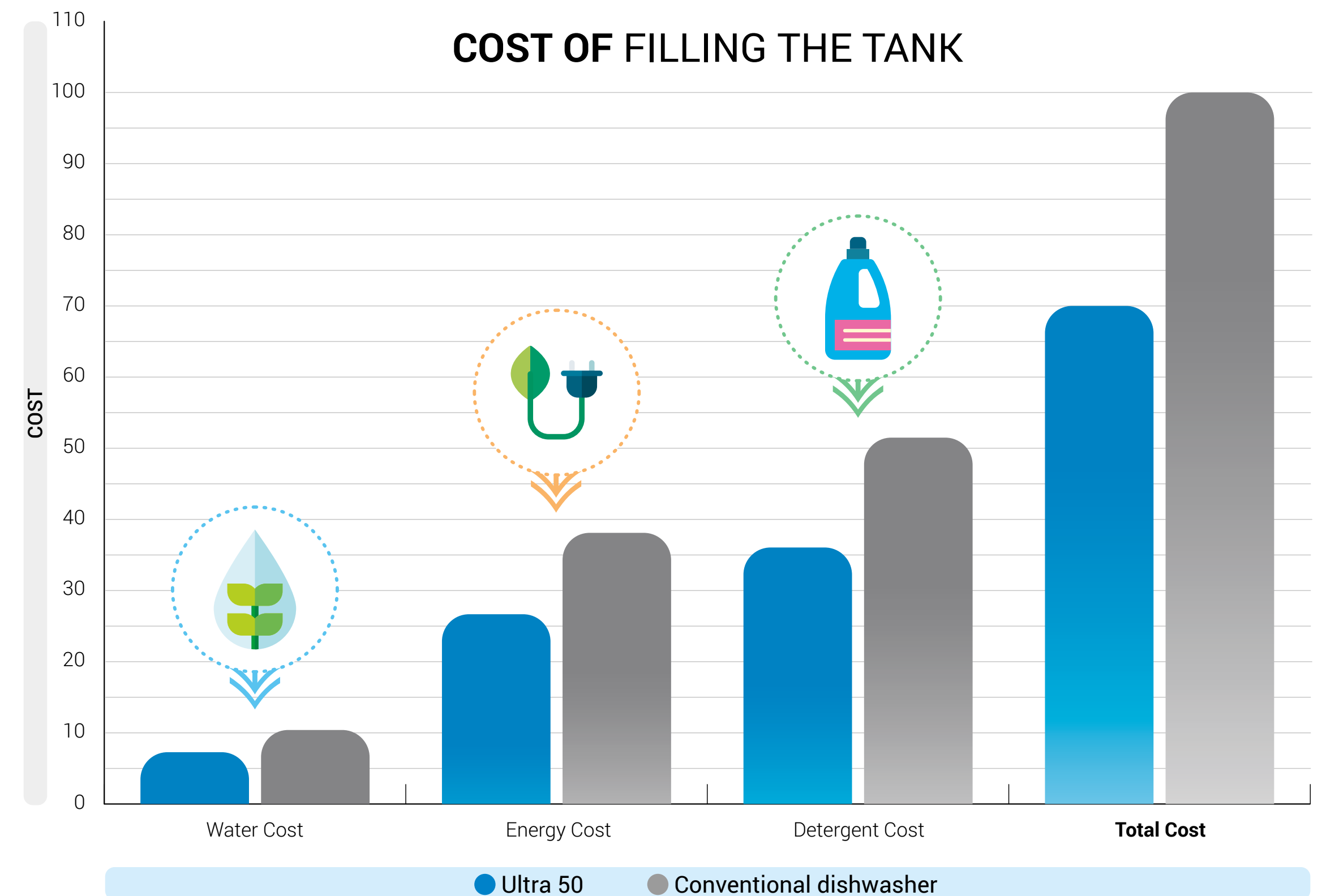


Energy
25%



Detergent
25%

Ecology and cost savings: You win, the environment wins





Enhanced loading height

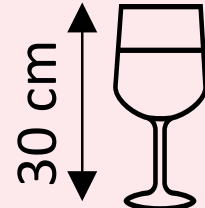
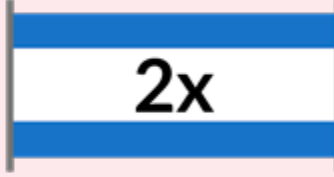
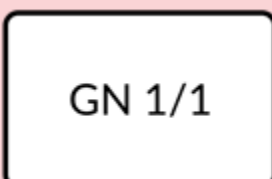
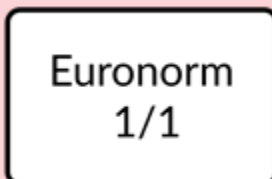
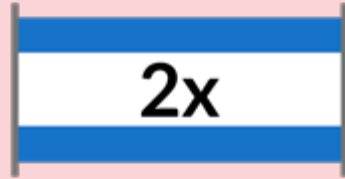
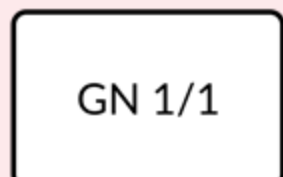
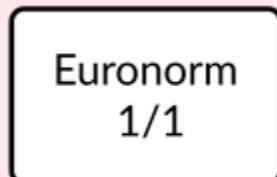
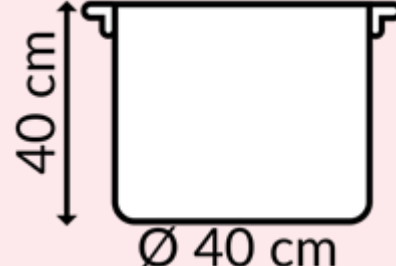
More, in the same space

Enhanced loading height

Versatility and ergonomics

The new dishwashers have improved loading capacity while occupying the same amount of space. This results in greater versatility and improved ergonomics.



	Useful height	Compatible items
Glasswasher	300 mm	  
Front loading dishwashers	380 mm	   
Pass-though dishwashers	430 mm.	  

Enhanced loading height

Productivity doubled

The improved loading capacity of the machines makes it possible to adjust a second height so that two baskets can be washed simultaneously. Thus doubling the machine's productivity.*



The upper level is designed for washing plates thanks to the upper wash arm. Maximum size plates 23cm (front-loading) / 16cm (glasswasher).

The lower wash arm effectively washes cups and glasses. Maximum height of glasses and/or cups is 11 cm.

• 16 •



Hydroblade washing arms

Efficient performance

Hydroblade Arms

As effective at cleaning dirt as water blades. The performance improvements stem from the application of two design concepts:

→ LINEAR DESIGN

- The curtain of water is more uniform and powerful
- The surface filters can be removed without needing to dismantle the arm.

→ MONOBLOCK

- The key components are integrated into the main body for improved:
 - Resistance to shocks and chemical attack
 - Watertightness
 - Lightness
- Redesigned nozzles to generate a sharper spray pattern.

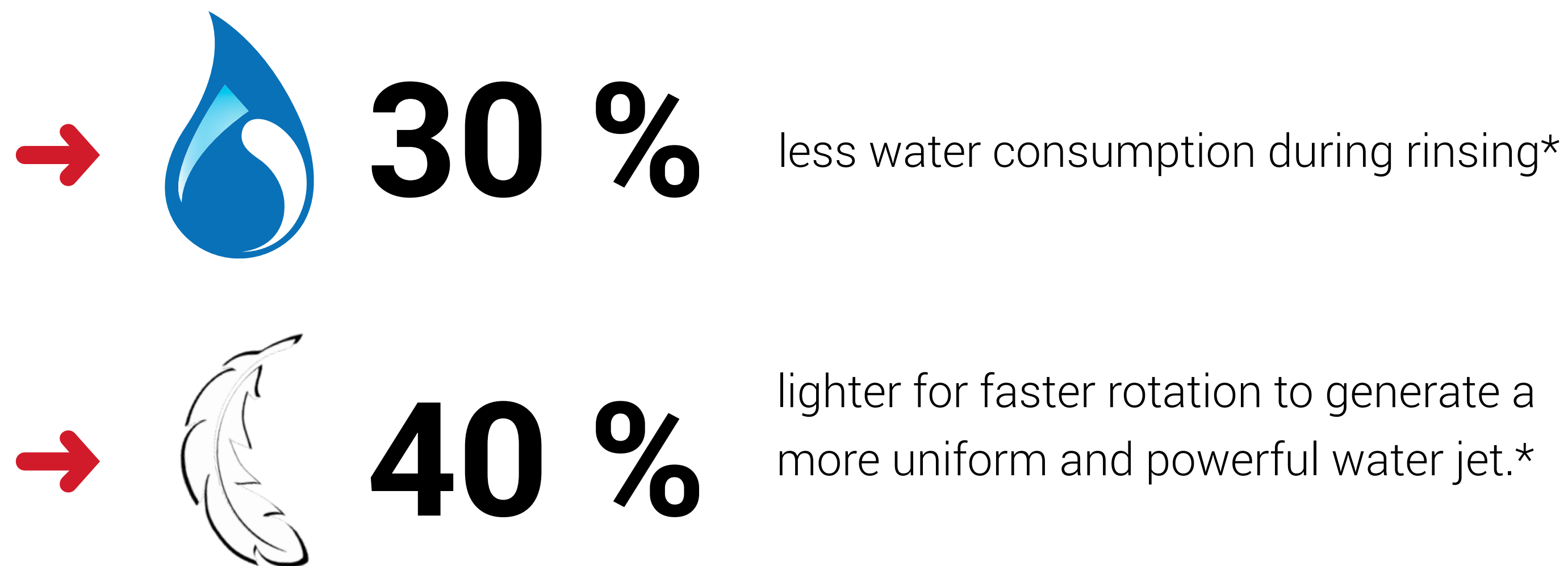
Washing Efficiency



Hydroblade Arms

Efficiency

Thanks to the application of state-of-the-art technologies, the new Hydroblade arms provide two key advantages: higher washing efficiency and lower water consumption. The figures speak for themselves:



*Compared to the previous range

Hydroblade Arms

One concept, two sizes

The same design and construction concept, adapted to two different sizes.

The use of stainless steel makes it possible to reinforce the robustness of front-loading/hood type machines, the appliances that are most demanding with regard to temperature level and washing pressure. While the Composite version further lightens the weight of the arm, allowing better arm rotation, even at low water pressures.

→ **STAINLESS STEEL HYDROBLADE (X)**



→ **COMPOSITE HYDROBLADE**

▪ 20 ▪

HOME



3-Stage Filter System

Hygiene and
ergonomics

3-Stage Filters

Ergonomics and protection

The system of progressive filters has the task of trapping even the lightest dirt to keep the wash water in optimum condition and maintain constant washing efficiency throughout the whole day.

→ It also prevents clogging in the tubes and protects the wash pump, improving the reliability of the machine.



→ All the filtering stages can be disassembled manually, making daily cleaning easier.



3-Stage Filters

The filtering stages in detail

1. Surface filters



The "easy-on" surface filters retain heavy dirt, capturing up to 80% of the waste.

Ergonomic, they can be removed without disconnecting the washing arms.



2. Tank filter



The new tank filter has a larger capacity for blocking medium-sized debris.

It has a collection ring around the perimeter of the base to make cleaning easier.



3. Extraction filter



In this phase, the lightest dirt is blocked, without affecting the suction of the washing pump.



Water renewal system

Optimal, consistent
performance

Water renewal system



Partial water renewal

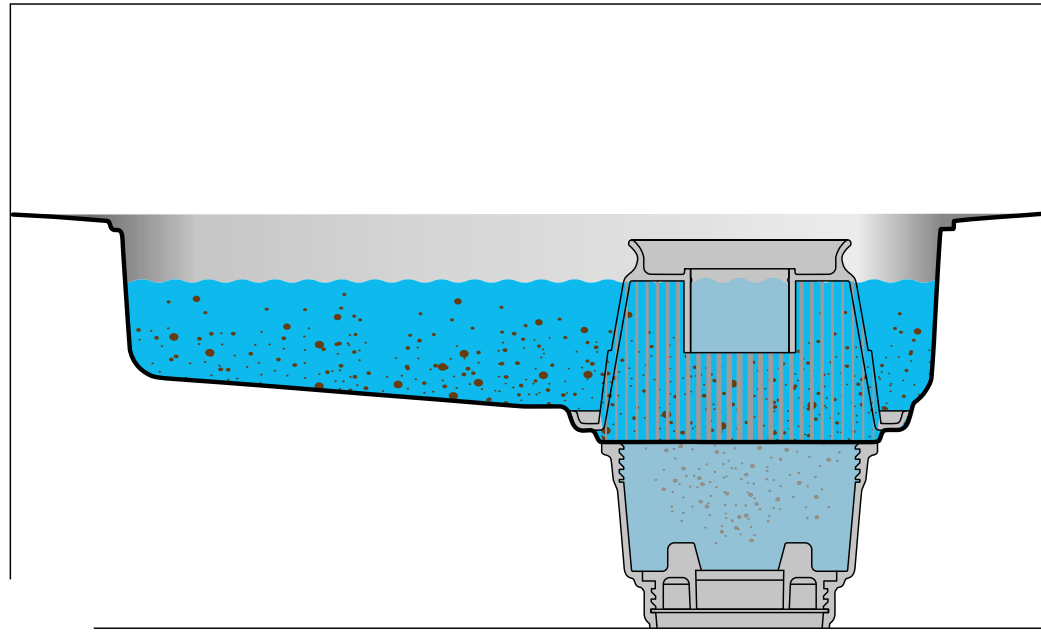
The design of the new deep-drawn tanks facilitates the partial renewal of the wash water after each cycle, preventing the water in the tank from becoming saturated with dirt and maintaining constant washing efficiency throughout the day. Depending on the range and configuration of the machine, the renewal can be:

- **Proactive system**
- **Passive system**

Water renewal system

Proactive renewal

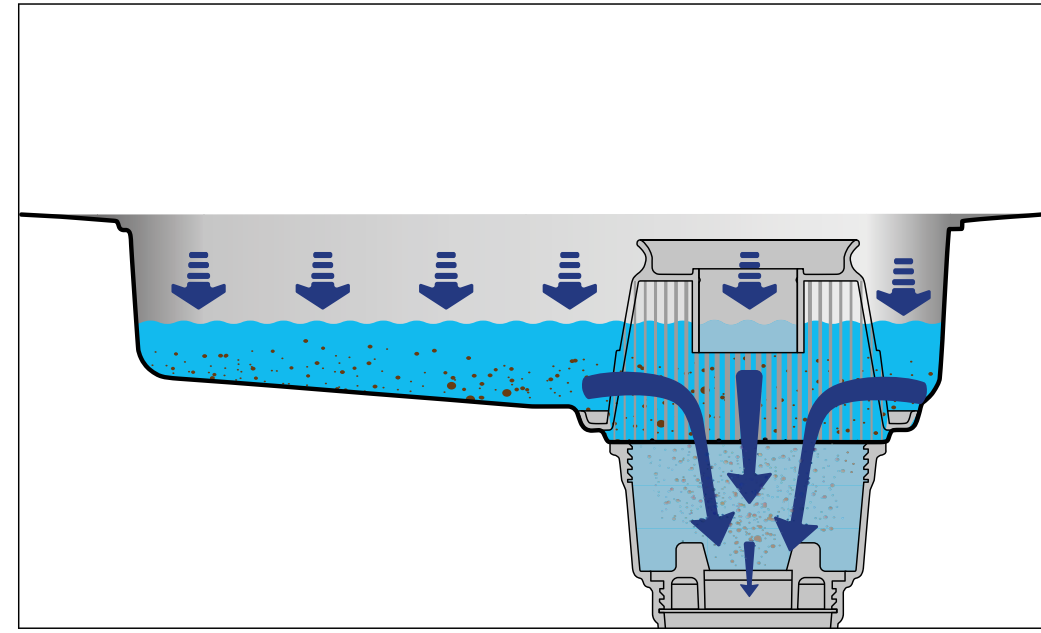
1. Washing



After the first wash cycle, the dirt begins to dissolve in the water.

Water with a higher concentration of dirt is denser and therefore tends to be located in the lower layers of the tank, while clean water, being lighter, tends to be located on the surface.

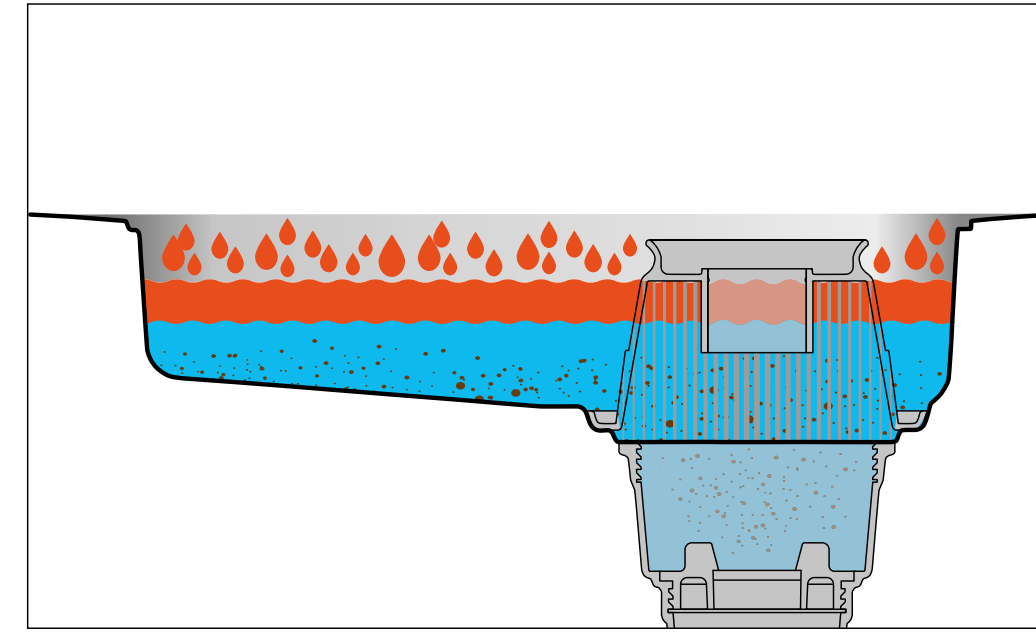
2. Water Extraction



Before rinsing begins, the machine empties a volume of water equivalent to that about to be introduced.

The water is drained from the base of the tank, the area where the most heavily soiled wash water tends to concentrate.

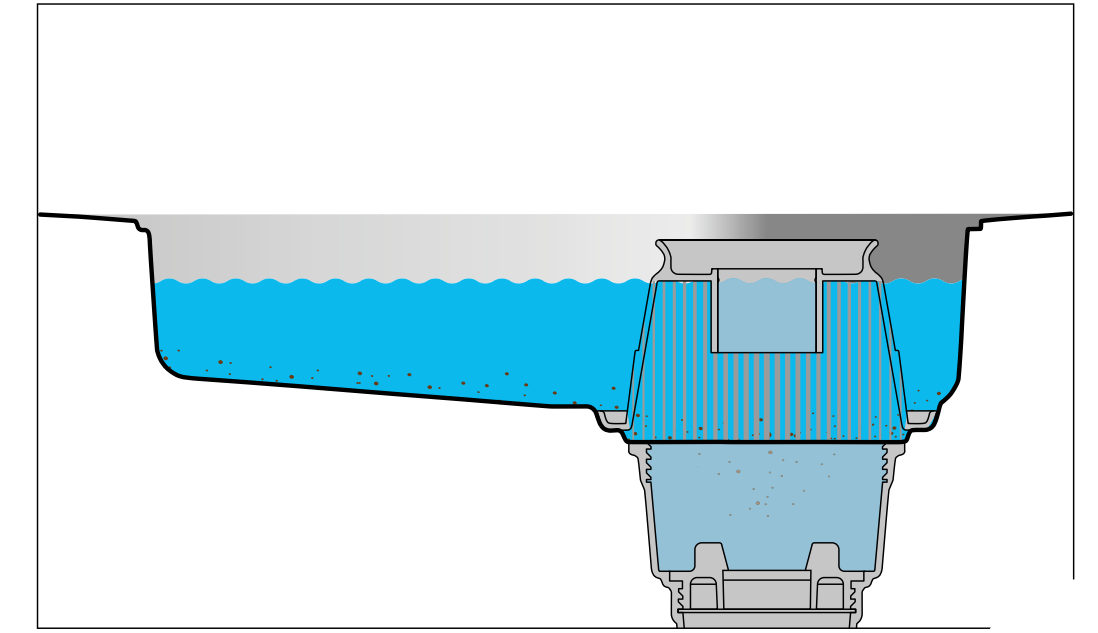
3. Rinsing



The tank is refilled to its original level with the water used for rinsing, which is clean water from the mains.

This way, cycle after cycle, the dirty wash water is replaced by clean water from the rinsing phase. This way, approximately 15% of the water in the tank is renewed after each cycle.

4. Regeneration



Thanks to the supply of clean water after each cycle, the degree of soiling in the tank is reduced, thus improving the machine's washing efficiency.

In other words, the water in the wash tank is completely renewed every 7 cycles.



Built to last

Guaranteed durability

Guaranteed durability



Intensive professional use

Our mission is to ensure advanced reliability throughout the useful life of our machines.

→ Heavy-duty

The washing area is possibly the most demanding workspace in any hospitality business. That's why our dishwashers are designed for long-lasting, demanding use without suffering from wear or overloading.

→ Construction quality

Built with very robust deep-drawn bodies, all Dishwashers are made of AISI 304 stainless steel and fitted with top quality components.

Guaranteed durability

→ All by hand

Only the bottom panel needs to be removed to access the key components of the dishwasher. Everything is easily accessible and well organised.

→ Ergonomics

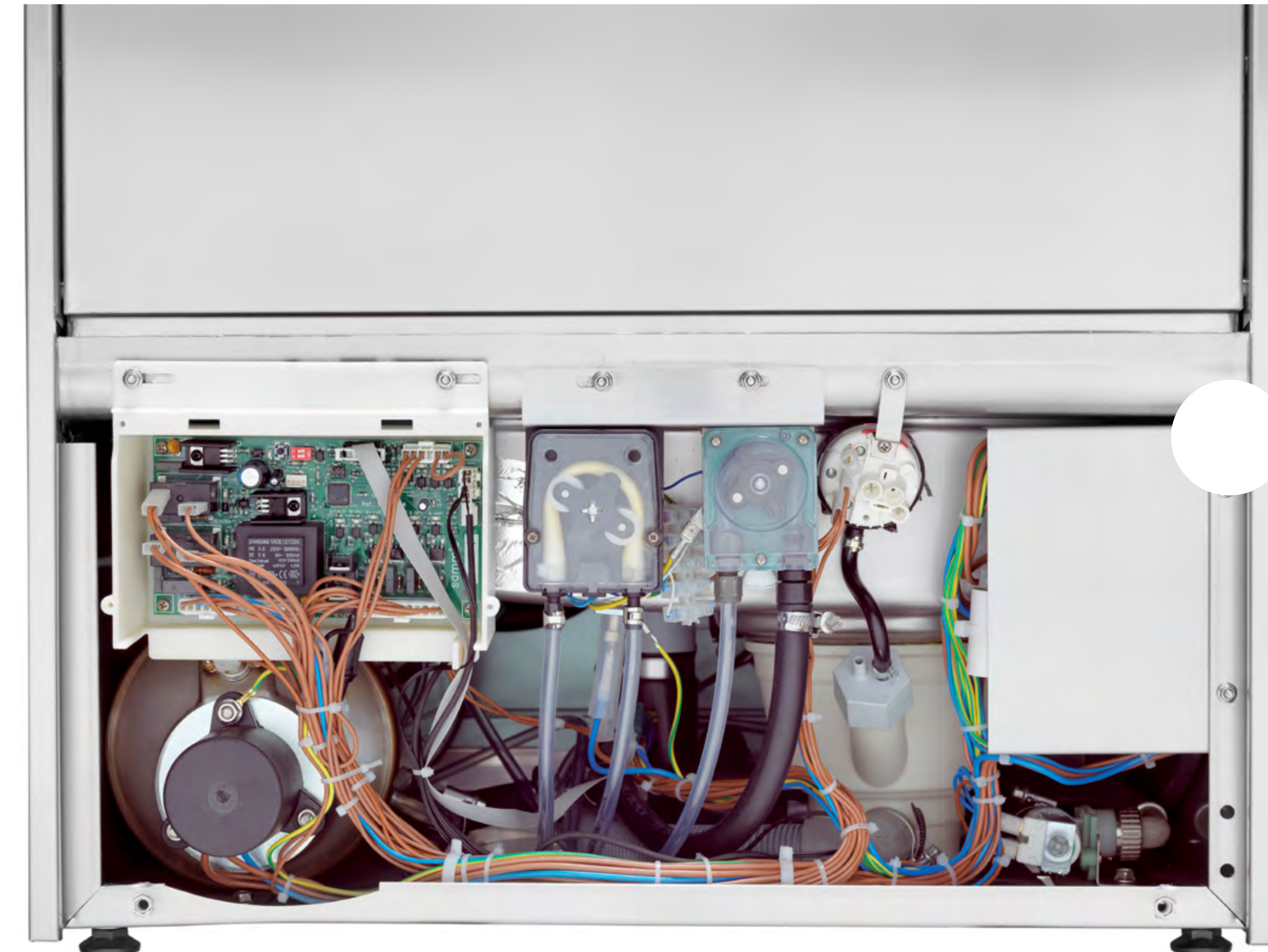
This reduces intervention time. Also, in most cases it avoids having to take the machine out to access the PCB or the electrical area.

→ QR codes

All the information related to your dishwasher, at the click of a button.

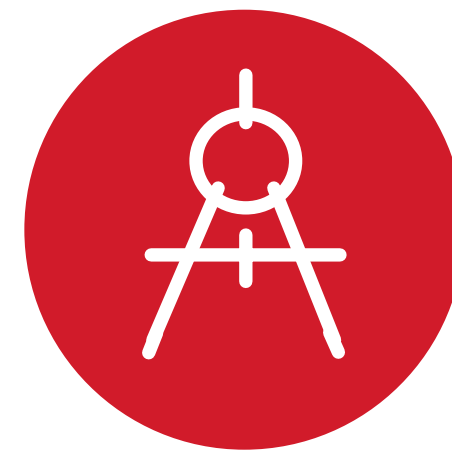


Easy maintenance



Guaranteed durability

Our commitment goes beyond the delivery of the dishwasher. Our goal is to achieve maximum customer satisfaction from the beginning of the purchasing process until the end of the product's life. That's why we offer all our customers:



Design Services

Tell us what you need and we will advise you.



Tech-Services

Our team of technicians will help you so that your machine is always ready for use.



Experience

60 years of experience and know-how at your disposal.

▪ 30 ▪



New doors

Equipped with an
"Easy-Grip" handle

New doors

"Easy-Grip" handle

The "Easy-Grip" handle offers a comfortable user experience for the action we repeat most every day: opening and closing the door.

→ Robustness

The integration of the handle in the door of the undercounter dishwashers provides greater strength and robustness.

→ Hygiene and cleaning

Designed to have no corners or areas that are difficult to access: prevents deposits of dirt and facilitates cleaning.

→ Ergonomics

The ergonomic handle provides a perfect grip, even with wet hands. The flat design prevents operators from accidentally bumping into it when walking through the washing area.

▪ 32 ▪



Pass-Through Dishwashers

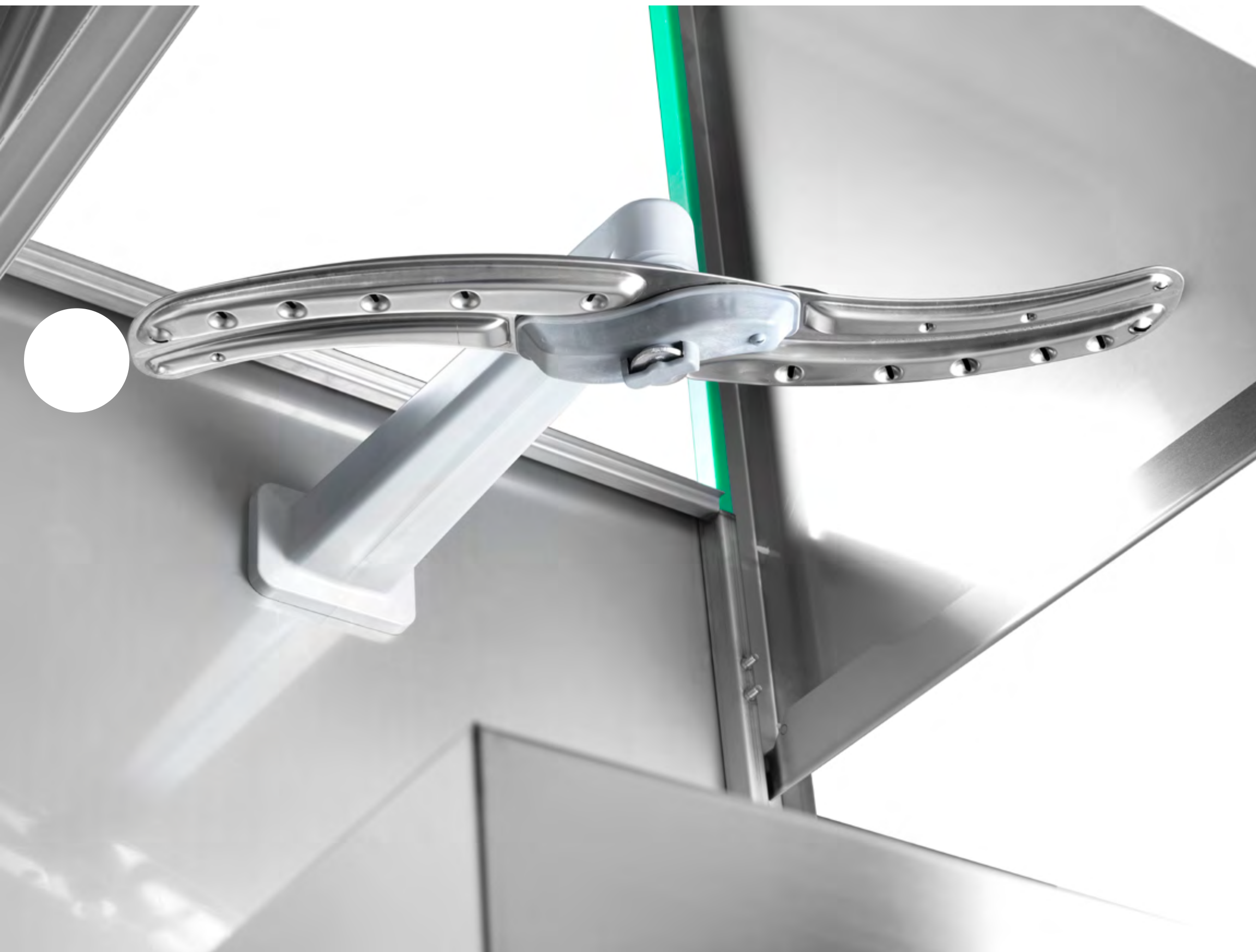
"Flow" Elevation System

Productivity and
Ergonomics



"Flow" Elevation System

Pass-Through Dishwashers



The new opening mechanism

The pace of work in the washing area can be very demanding, with the hoods being opened and closed dozens of times during the course of the day. To facilitate the workflow in these high-demand conditions, we have developed the new "Flow" opening mechanism, which provides:

→ Health and safety

It helps to lift the hood with less effort, protecting operators against fatigue and muscular injuries.

→ Ergonomics

The lifting mechanism allows the hood to slide in a more progressive manner.

→ Reliability

More robust design to prevent jamming.



▪ 35 ▪

[HOME](#)

ACTIVE Range

High performance,
without complications



▪ 36 ▪

ACTIVE



The latest washing technologies

The Active range has been developed with the aim of making the latest washing technologies available to professionals, without the hassle.

All this, with all the advantages of the new Sammic ware washing family: deep-drawn tanks, hydroblade arms, 3-stage filters, ergonomics and resource efficiency.

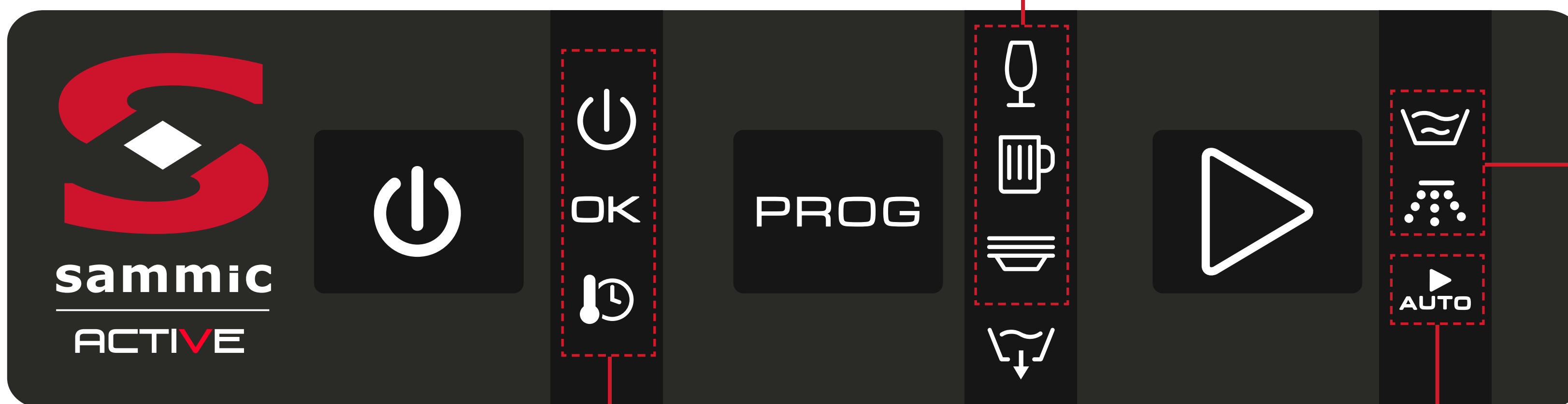
Active Xperience

- Simple and user-friendly control.
- Intuitive feedback using icons.
- Dedicated cycles: selection of the ideal wash programme using icons. The duration of the cycle is adapted according to the type of item to be washed.
- Electronic control panel with IP65 humidity protection.

ACTIVE

ACTIVE control panel

Dedicated cycles



Cycle phase

Washing
Rinsing

Machine status

On / Off
Wash temperature OK
Heating water for washing

Automatic start function

Option to activate the automatic start of the wash cycle when the door or hood is closed.
Available on all models in the range



Range composition



MODEL	AX-40	AX-50	AX-100
FEATURES			
Deep-drawn tank	X	X	X
3-stage filtering system	X	X	X
"C"-type Hydroblade arms	X	-	-
"X"-type Hydroblade arms	-	X	X
Dedicated cycles by time	3	3	3
Dedicated cycles by time and temperature	-	-	-
Colour LCD display incl. temperature information	-	-	-
Double rack option	Optional	Optional	-
SPECIFICATIONS			
Rack dimensions	400 x 400 mm	500 x 500 mm	500 x 500 mm
Useful height	300 mm	380 mm	430 mm
Wash tank loading	1200 W	1800 W	2500 W
Wash pump loading	0.33 Hp / 250 W	0.75 Hp / 550 W	1 Hp / 750 W
Boiler loading	2500 W	2800 W	6000 W
Total loading	2750 W	3350 W	6750 W
OPTIONS			
DD - Detergent doser	X	X	X
Drain pump	X	X	X

ULTRA range

The Premium washing experience, by Sammic



▪ 40 ▪

[HOME](#)

ULTRA

For the most demanding segments

The Ultra Range has been conceived in an aim to meet the expectations of the most demanding sectors, whether they're after sparkling finishes, high productivity or are rigorous with hygiene management.

Ultra Xperience: Equipped with state-of-the-art technologies

1. Colour LCD Display

- Advanced image sharpness to make the screen easy to read from any angle and distance.
- The control panel is the centrepiece of the Ultra "experience". A panel that combines technical sophistication and ease of use.
- Quick and intuitive reading of machine information and status through messages, colour-coding and icons.

2. Soft start

- Progressive start of the washing pump to protect fragile or delicate items.

▪ 41 ▪

ULTRA

Ultra control panel

1. Colour LCD Display



- Progress bar for quick reading of the machine status.
- The machine displays this critical operation indicator. Useful for HACCP management systems.
- The electronic control panel has IP65 humidity protection.

2. Dedicated cycles



Simple and intuitive selection of the ideal wash programme using icons for optimum results. The ideal duration and temperatures are set for each type of article, saving resources and increasing the productivity of the premises.

Ultra control panel



3. Wash Plus+ function

Activating this function increases the intensity of the cycle for greater washing efficiency.

4. Advanced menu

Allows the machine's main parameters to be adjusted to suit the needs of each user. Highlights:

- Setting for washing and rinsing temperature
- Setting for the consumption of rinsing water
- PRECISE SETTING FROM THE PANEL for dosage of detergent and rinse aid*.

* Only in DD versions



ULTRA

ULTRA

Your machine tailor-made for you: List of options

▪ 44 ▪

[HOME](#)

Your machine tailor-made for you: List of options

1. Drain pump

→ Drain

Allows emptying into drains up to 100 cm high.

→ Proactive WASH WATER Renewal

15% of the wash water is renewed after each wash cycle, keeping the wash capacity constant throughout the day.

→ Self-cleaning cycle:

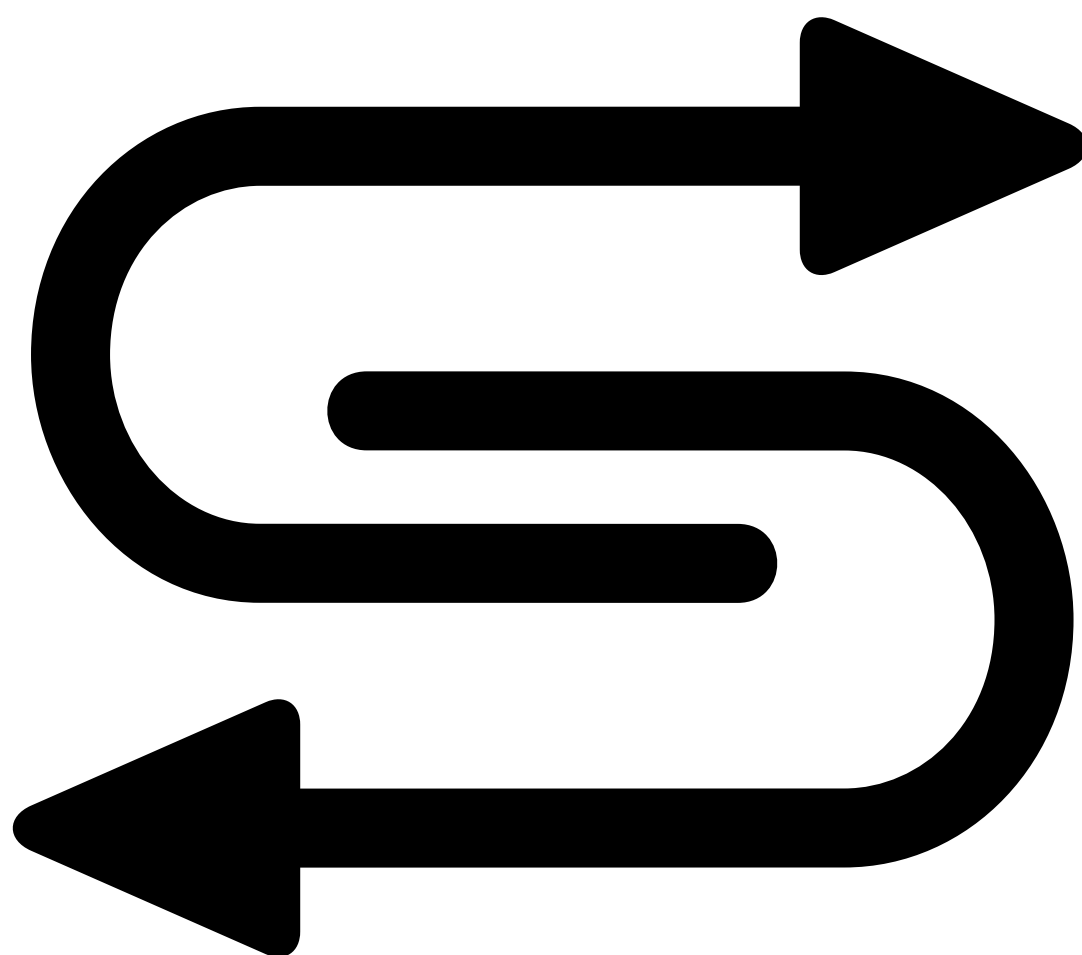
The machine performs a self-cleaning cycle at the end of the shift. Facilitates maintenance work and guarantees the cleanliness of the washing chamber.



Your machine tailor-made for you: List of options

2. Built-in water softeners

Both systems protect the machine from limescale deposits and improve the finish of the articles. There are two different versions according to their maintenance requirements.



→ Manual

- Manual resin regeneration water softener: the machine alerts when regeneration is required. This ensures that the machine is kept in perfect working order.
- Protects the machine from limescale deposits and improves the finish of the articles.

→ Automatic

- Automatic resin regeneration water softener: simplifies the maintenance process, only the salt needs to be replenished.
- Indicator of "low salt" in the tank.
- WRAS certified.
- Option only available with machines equipped with Break Tank ("C" versions).

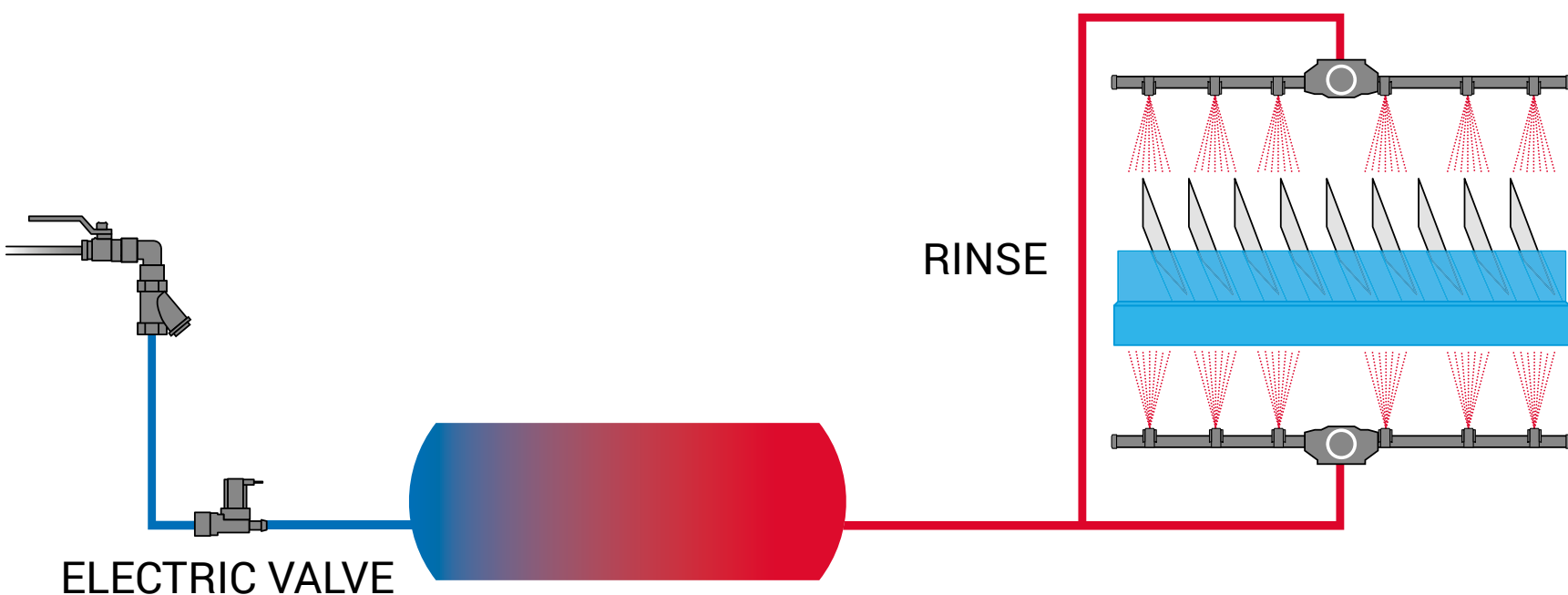
Your machine tailor-made for you: List of options

3. HHR (Hygienic Hot Rinse): constant high temperature rinsing

Intended for all professionals dedicated to rigorous hygiene management. This system performs **CONSTANT HIGH TEMPERATURE RINSING** to ensure effective disinfection. Thus complying with the highest hygiene standards. It is also the perfect complement for users looking for impeccable finishes as the **PRESSURE PUMP** ensures efficient high-pressure rinsing, regardless of the pressure and flow rate of the mains water supply. Equipped with an atmospheric break tank to prevent backflow of the wash water into the mains.

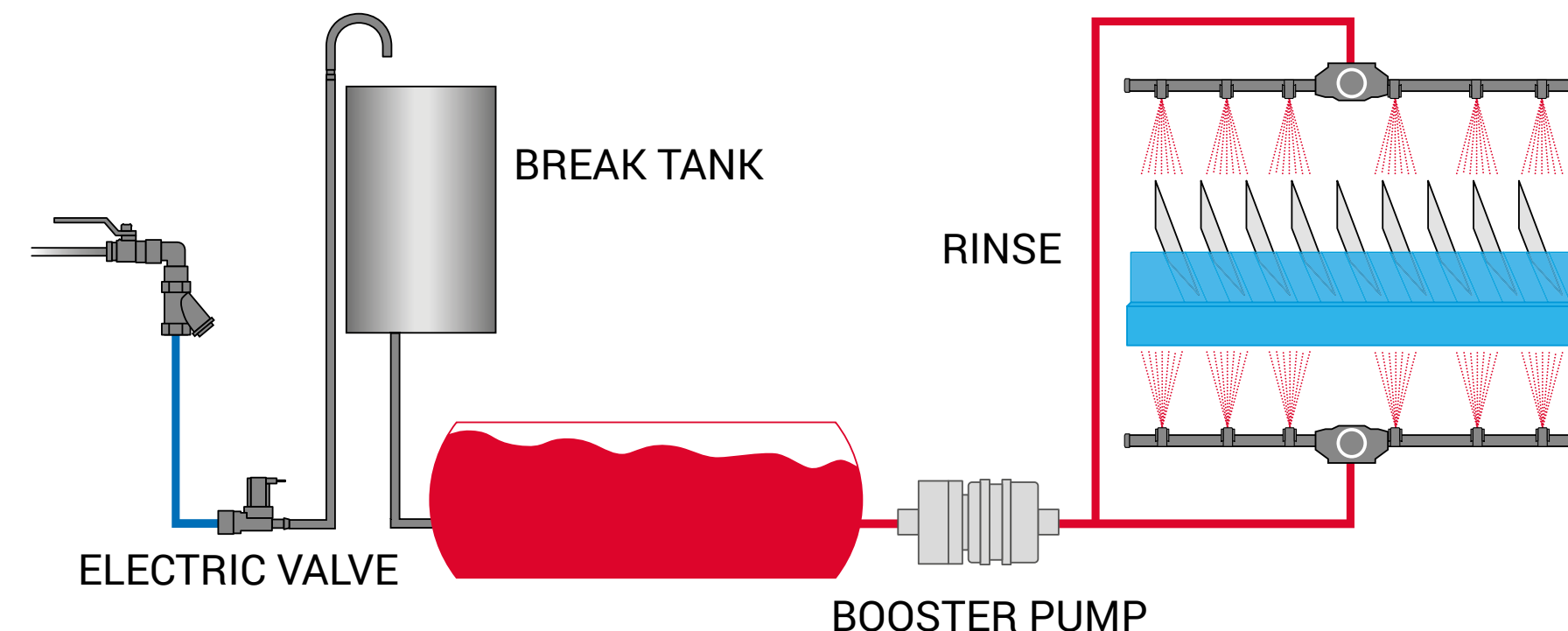
TRADITIONAL RINSE SYSTEM

The mains water pressure "pushes" rinse water.



CONSTANT RINSE TEMPERATURE SYSTEM

The booster pump "pulls" rinse water out of the boiler.



Your machine tailor-made for you: List of options

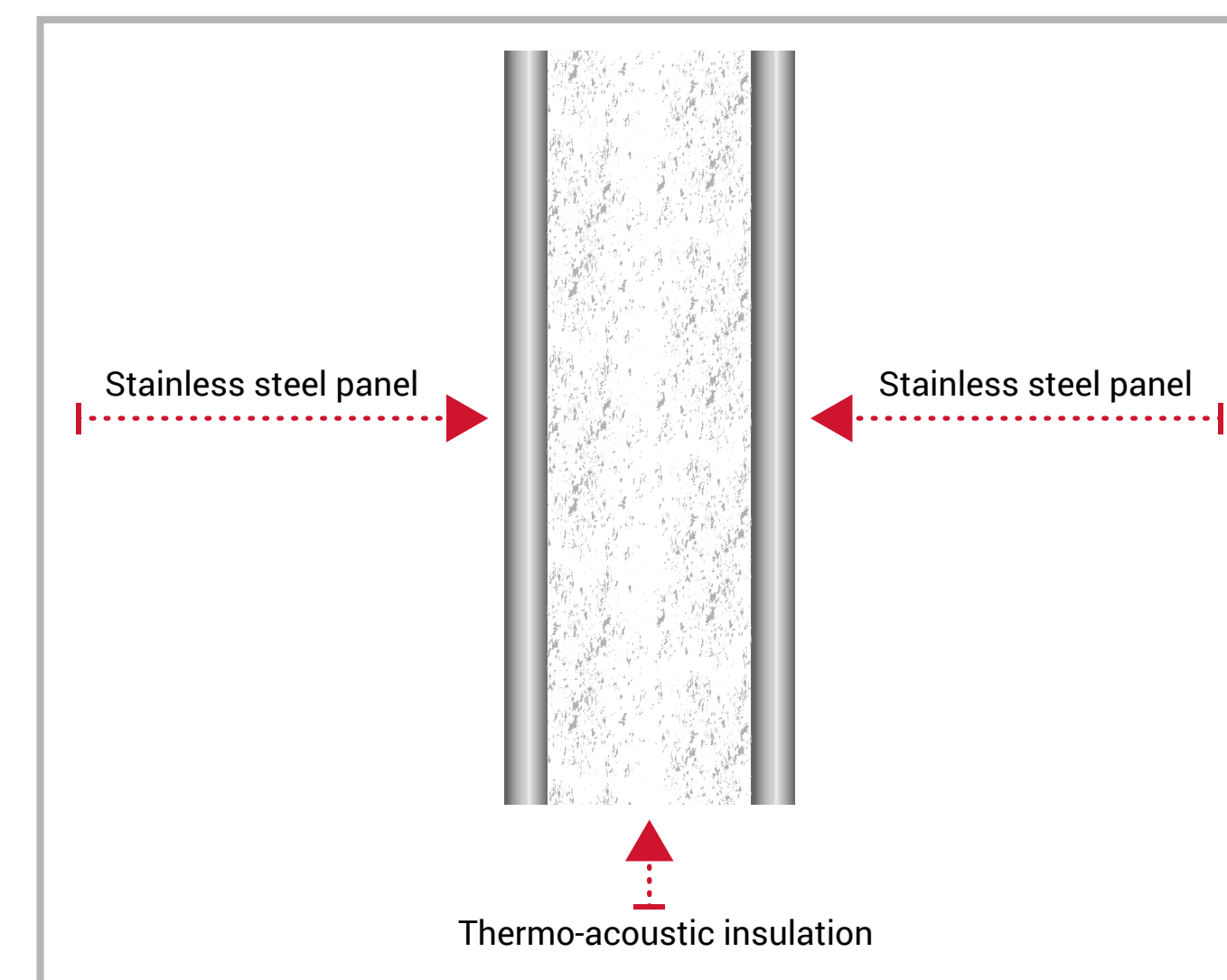
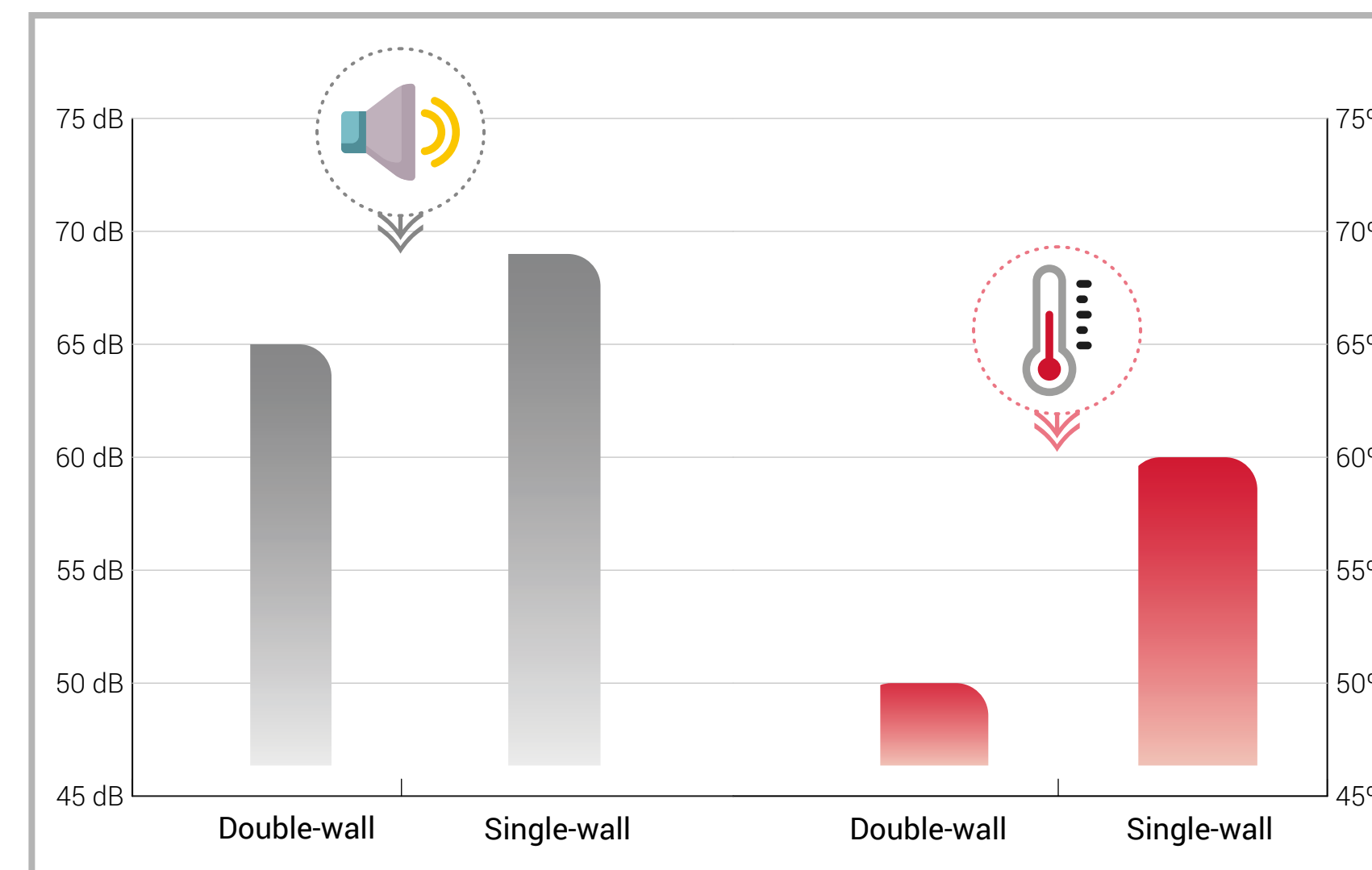
4. Thermo-acoustic insulation



Sammic Insulation System: Double-Walled Construction

- The double-walled structure improves the thermo-acoustic insulation of the machine.
- Reduces the noise emitted by the machine.
- Retains waste heat from the machine, saving energy.
- Improves the thermal performance of the machine

▪ 48 ▪



Your machine tailor-made for you: List of options

5. **Steam condenser:** Turning a problem into a resource

It is inevitable that dishwashers generate steam during operation as they use water at high temperature.

Potentially affected installations



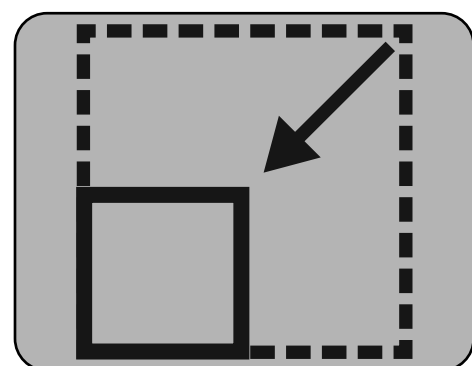
Intensive-use installations

- Constant use of the machine generates a large amount of steam.
- Continuous wash cycles saturate the washing area with humidity.



Installations with poor ventilation

- Locations with no air in/outlets prevent fresh air supply.
- The installation becomes saturated with moisture and the temperature rises.



Installations with limited space

- Greater concentrations of moisture tend to accumulate in limited spaces.
- This type of location does not favour air renewal either.

HRS: the solution.

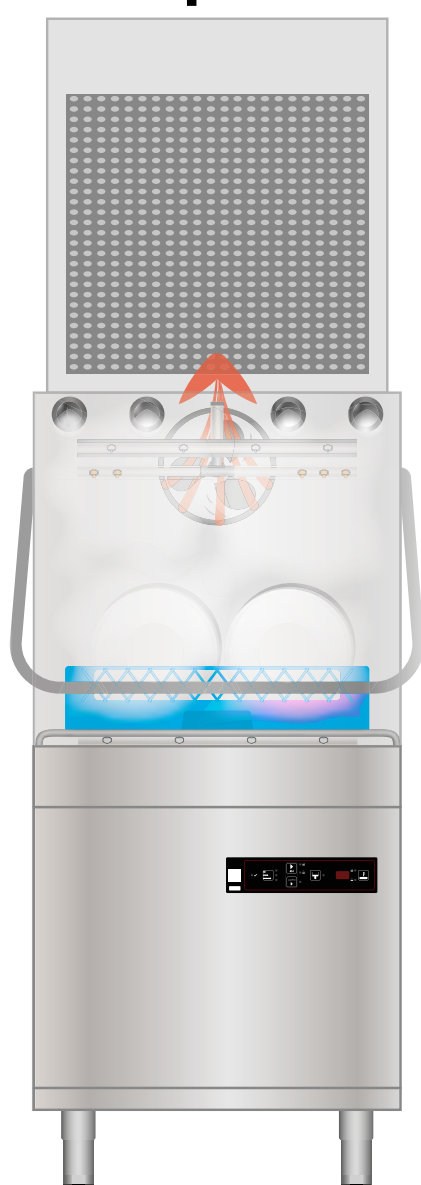
- Implies a lower investment than the installation of an extractor.
- Easier to install (simply connect the SC to the hood)
- Requires **no building work** or connection to a ventilation point.
- Improved performance and **energy savings**.



Your machine tailor-made for you: List of options

5. Steam condenser: Operating principle

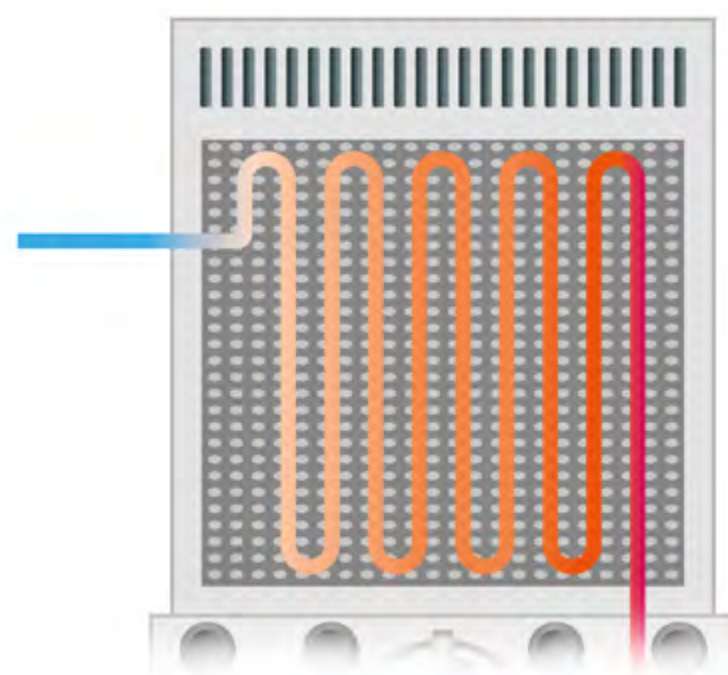
1. Aspiration



After the rinse stage, the fan of the HRS system aspirates the steam that is under the hood.



2. Heat exchange

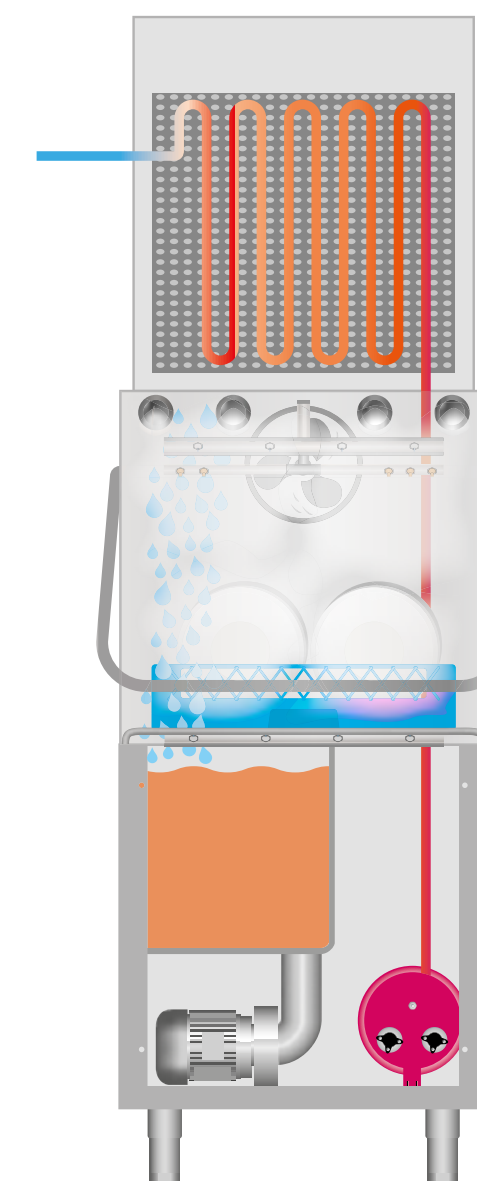


The steam aspirated is channelled through a heat exchanger, in which the temperature is exchanged between:

- The water from the mains that feeds the dishwasher boiler.
- The hot steam aspirated.



3. Condensation



The steam is cooled and condensed, returning to the wash drum in liquid state.

The water that feeds the boiler is heated, from 15° to 35°C*.

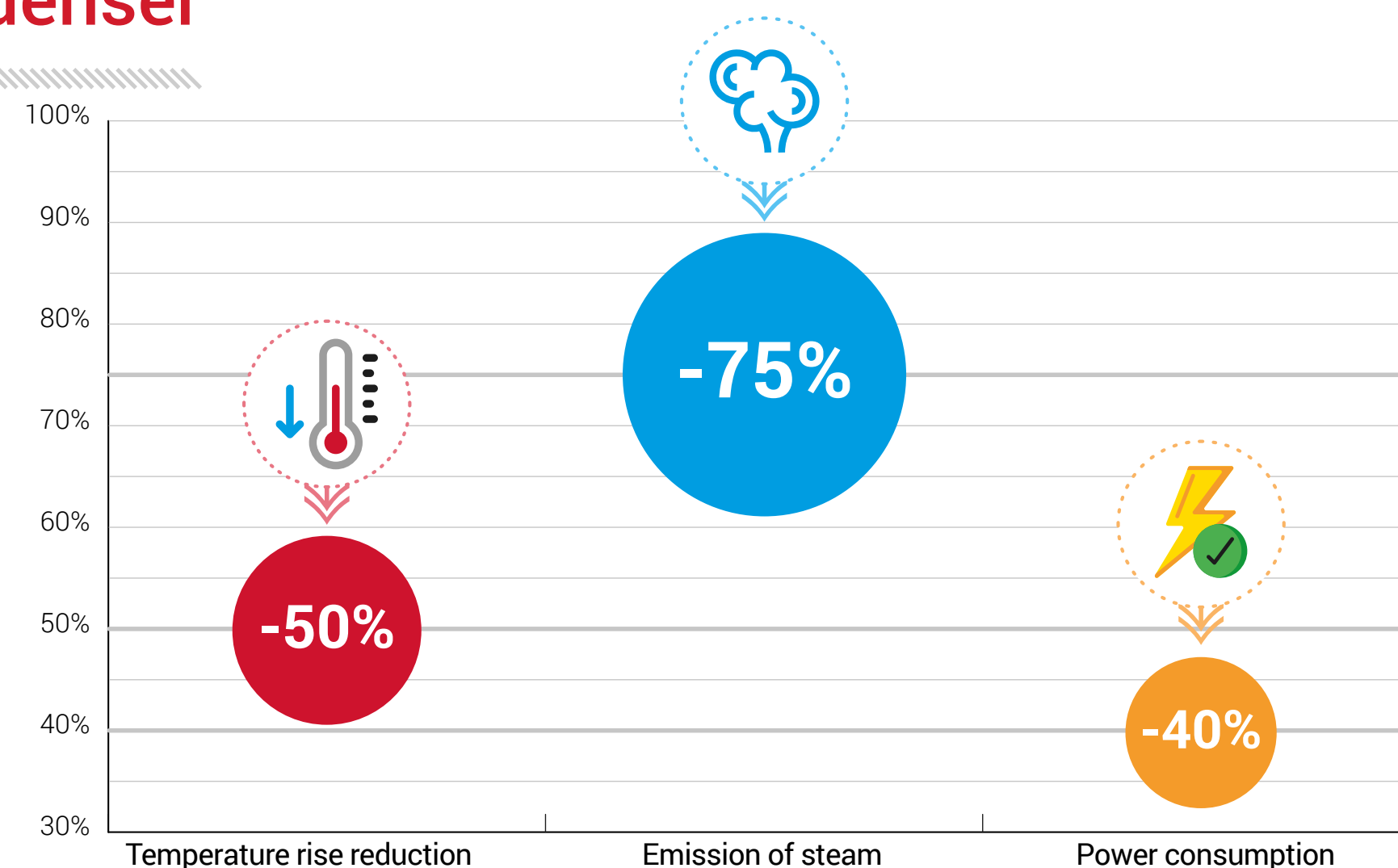
- 50 -

*These values will depend on the input water temperature and the room temperature. Measurements taken with input water at 15°C and at a room temperature of 20°C.

Your machine tailor-made for you: List of options

5. Steam condenser: Advantages of using a Steam Condenser

- Reduces the temperature increase in the room by 50%.
- Reduces the steam released into the installation by 75%.
- Savings of up to 40% in electricity consumption.
- Improves the temperature recovery performance of the rinse water.
- Factory-integrated condenser module, no installation required.



Theoretical savings of the HRS system in hood type machines



Return on investment

It is estimated that the investment in the HRS module can be recouped within a period of 5 years.

ULTRA

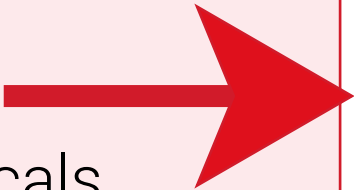
Range composition



MODEL	UX-40	UX-50 LITE	UX-50	UX-100 LITE	UX-120
FEATURES					
Deep-drawn tank	X	X	X	X	X
3-stage filtering system	X	X	X	X	X
"C"-type Hydroblade arms	X	-	-	-	-
"X"-type Hydroblade arms	-	X	X	X	X
Dedicated cycles by time	-	-	-	-	-
Dedicated cycles by time and temperature	5	6	6	6	6
Colour LCD display incl. temperature information	X	X	X	X	X
Double rack option	Opt	Opt	Opt		
SPECIFICATIONS					
Rack dimensions	400 x 400 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm
Useful height	300 mm	380 mm	380 mm	430 mm	430 mm
Wash tank loading	1200 W	1800 W	1800 W	2500 W	2500 W
Wash pump loading	0.33 Hp / 250 W	1 Hp / 750 W	1 Hp / 750 W	1.0 Hp / 750 W	1.3 Hp / 1000 W
Boiler loading	2800 W	3000 W	5000 W	7500 W	9000 W
Total loading	3050 W	3750 W	5750 W	8250 W	10000 W
OPTIONS					
DD - Peristaltic detergent doser + peristaltic rinse-aid doser.	X	X	X	X	X
B – Proactive	X	X	X	X	X
D - Prolime	X	-	X	-	-
BD - Glass Care	X	-	X	-	-
BC - Hygiene	-	-	X	-	X
BCD – Performance	-	-	X	-	X
BV – HRS	-	-	-	-	X
BCV – HRS Hygiene	-	-	-	-	X
BCDV – HRS Performance	-	-	-	-	X
S - Thermoacoustic insulation	X		X	-	X

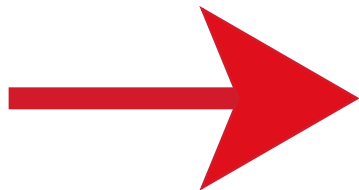
Packs of options

Name	Code	Includes	Benefits
DD	DD	Peristaltic detergent doser + peristaltic rinse-aid doser.	
	ISO	Thermo-acoustic insulation (double-walled construction)	The double-walled structure improves the thermo-acoustic insulation of the machine. Reduces the noise emitted by the machine. Retains waste heat from the machine, saving energy. Improves the thermal performance of the machine.
Proactive	B	Drain pump	The tank can be emptied if the installation's drain is higher than the machine. Proactive renewal of the wash water. → Better wash quality. → Change the water in the tank less frequently.
	D	Manual water softener	Better finishing results, especially on glass. Protects the dishwasher from limescale build-up. Saves on chemicals Space saving, the water softener is integrated in the machine.
Glass Care	BD	Drain pump + Manual water softener + Peristaltic rinse aid dosing device	Better finishing results, especially on glass. Proactive renewal of the wash water. → Better wash quality. → Change the water in the tank less frequently. Soft Start: protects fragile items, especially glassware. Protects the dishwasher from limescale build-up. Space saving, the water softener is integrated in the machine. The tank can be emptied if the installation's drain is higher than the machine. Peristaltic dosing device: precise rinse aid adjustment, better results and savings in chemicals.



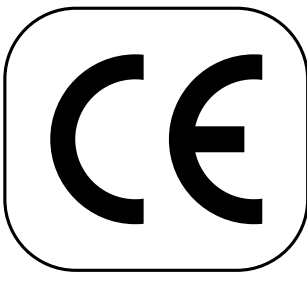
Packs of options

Name	Code	Includes	Benefits
Hygiene	BC	Rinsing at Constant Temperature. + Drain pump + Peristaltic rinse aid dosing device .	Guaranteed disinfection as rinsing takes place at a constant high temperature. Rinse pressure pump for a perfect rinse. Proactive renewal of the wash water. → Better wash quality. → Change the water in the tank less frequently. The tank can be emptied if the installation's drain is higher than the machine. Precise rinse aid adjustment, better results and savings in chemicals.
	BCD	Rinsing at Constant Temperature. + Drain pump + Automatic water softener + Peristaltic rinse aid dosing device	Guaranteed disinfection as rinsing takes place at a constant high temperature. Rinse pressure pump for a perfect rinse. Proactive renewal of the wash water. → Better wash quality. → Change the water in the tank less frequently. The tank can be emptied if the installation's drain is higher than the machine. Precise rinse aid adjustment, better results and savings in chemicals. Better finishing results, especially on glass. Protects the dishwasher from limescale build-up. Saves on consumption of chemicals. Space saving, the water softener is integrated in the machine..



Packs of options: Pass-Through Dishwashers

Name	Code	Includes	Benefits
HRS	BV	Steam condenser + drain pump + Peristaltic rinse aid dosing device	Steam condenser: energy saving, steam management, increased machine performance. The tank can be emptied if the installation's drain is higher than the machine. Proactive renewal of the wash water. → Better wash quality. → Change the water in the tank less frequently.
	BCV	Rinsing at Constant Temperature. + Steam condenser + drain pump + Peristaltic rinse aid dosing device	Steam condenser: energy saving, steam management, increased machine performance. Guaranteed disinfection as rinsing takes place at a constant high temperature. Rinse pressure pump for a perfect rinse. Proactive renewal of the wash water. → Better wash quality. → Change the water in the tank less frequently. The tank can be emptied if the installation's drain is higher than the machine. Precise rinse aid adjustment, better results and savings in chemicals. Space saving, the water softener is integrated in the machine.
HRS Hygiene			
HRS Performance	BCDV	Rinsing at Constant Temperature. + Steam condenser + drain pump + automatic water softener + Peristaltic rinse aid dosing device	Steam condenser: energy saving, steam management, increased machine performance. Guaranteed disinfection as rinsing takes place at a constant high temperature. Rinse pressure pump for a perfect rinse. Proactive renewal of the wash water.Better wash quality. → Change the water in the tank less frequently. → The tank can be emptied if the installation's drain is higher than the machine. Precise rinse aid adjustment, better results and savings in chemicals. Better finishing results, especially on glass. Protects the dishwasher from limescale build-up. Saves on consumption of chemicals. Space saving, the water softener is integrated in the machine.



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