

Modular
Rack Type
Dishwasher



Thinking of you
Electrolux

Modular Rack Type Dishwasher

The new range of Modular Rack Type dishwashers from Electrolux combines the highest level of washing and rinsing performance with outstanding solidity, ideal for heavy usage installations such as hotels, restaurants, large canteens, in-flight catering and hospitals.



Washing Performance

- New Ideal Wash System (**IWS**) to optimise results
- Duo wash configuration of wash pumps
- Maximum Water Contact (**MWC**) wash arms

Washware sanitisation

- Atmospheric rinse independent of incoming water pressure
- High temperature duo rinse

Machine cleanability

- Self-draining wash pumps
- **Pressed** pre-wash, wash & rinse tanks
- All-round access inspection doors on every module

Sturdiness

- Solid stainless steel under-frame
- Foam injection insulated doors
- All stainless steel components
- IPX 5 water protection

Cost savings

- Continuous washing without needing to drain detergent laden water saves **30%** of water
- Duo rinse saves **50%** water consumption
- Separate pre-wash zone without the need for high volumes of cooling water
- Up to **75%** detergent saving

Ergonomics

- Foam injected doors
- Low temperature drying
- Large door handles



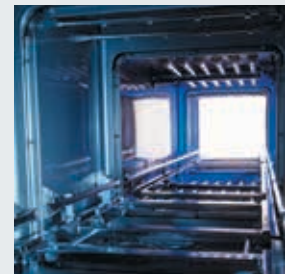
New Ideal Wash



Pressed tank



Pressed ceiling



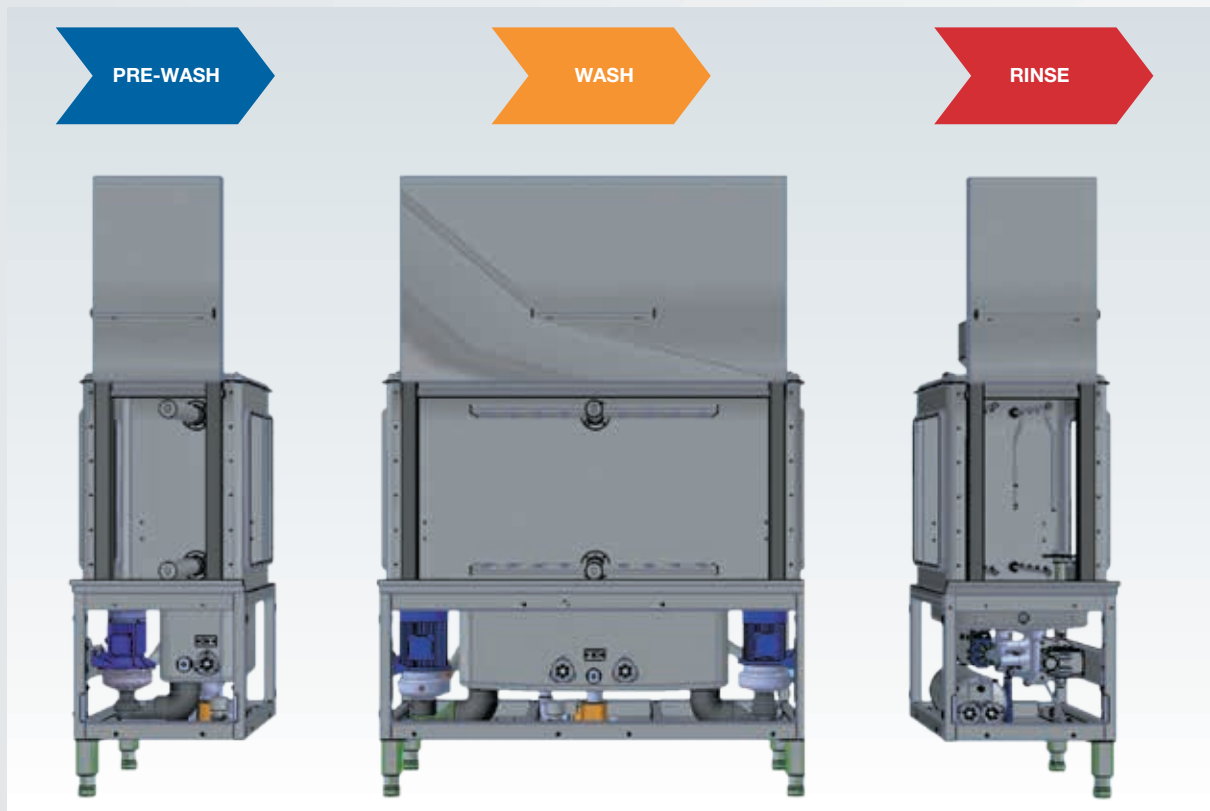
Duo rinse system



Ergonomics

Washing performance

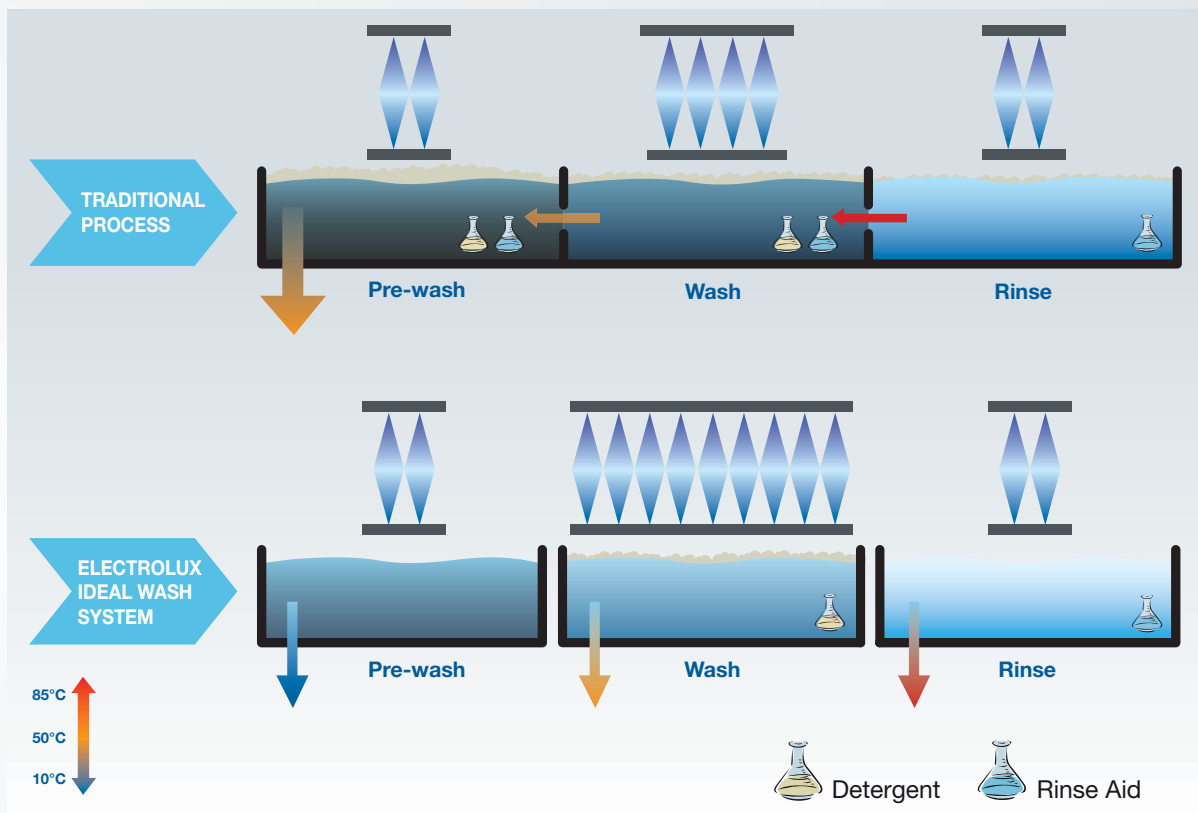
The Ideal Wash System (IWS) is designed to wash every item perfectly the first time - 24 hours per day, 7 days a week.



The pre-wash zone typically contains the dirtiest water in the dishwasher and provides the base for perfect washing.

Unlike traditional systems, the **Electrolux pre-wash** is **completely detached** from the detergent laden heated wash zone water and uses only fresh cold water to prevent protein based food stuffs sticking to the plates.

The wash zone is also physically separated from the rinse zone, (that in a traditional system is carried over from rinse area) so the wash tank is free of rinse aid that typically weakens the washing power of the detergent; resulting in excessive detergent consumption.

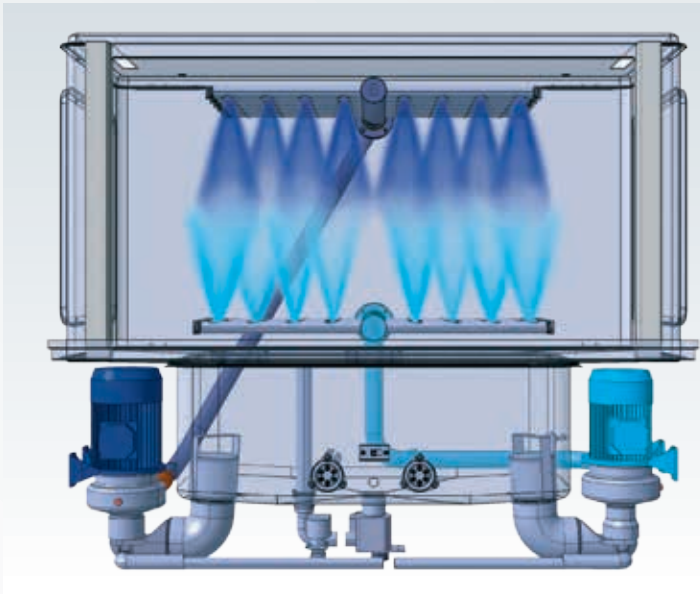


Even during long washing periods lasting several hours, where traditional dishwashers need to be completely drained and re-filled at some stage, the **IWS continues washing** with only a **minimal quantity of water** being consumed.

Each machine has two pre-set speeds - slow for more baked on dirt, fast for lighter soiling; both speeds can be fine tuned on-site via the electronic control panel to suit customer needs.

When the pre-wash or wash water becomes too dirty to wash effectively, a part of the dirty wash water is automatically drained and replenished without stopping the dishwasher enabling continuous-all day washing. Drainage quantities and frequencies are all variable via the electronic control panel in order to maximize washing performance with minimum water consumption.





On 150 litre modules, the **duo wash** pump configuration features one 2,2kW pump supplying the upper wash arms, another 1,1kW pump supplying the lower wash arms, concentrating as much high powered wash water as possible - ideal for dried on foods or where large number of containers or utensils are washed.



In order to wash in the shortest possible space, the Maximum Water Contact (**MWC**) wash arms are **positioned along the full length** of the wash tank. Thus doubling the amount of wash water contact time in comparison to traditional wash arm configurations. Just because a basket is in the wash zone for 2 minutes, it doesn't mean it is being washed in water for 2 minutes.

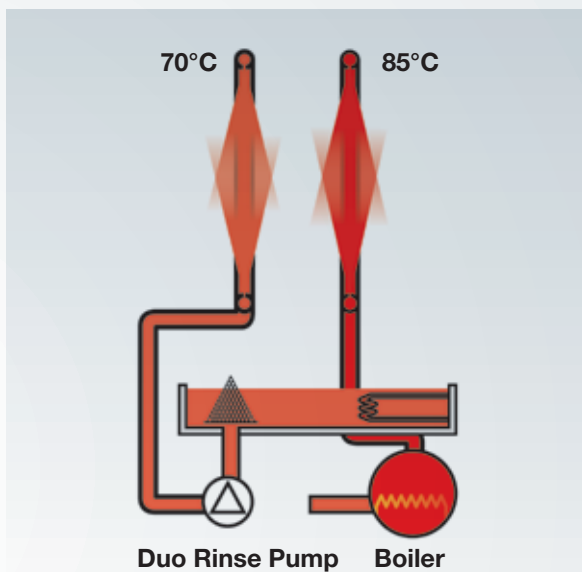


Duo filter system minimises food debris entering the wash water system, reducing the need to regenerate water. The curtain system prevents water splash over from tank to tank.



Washware sanitisation

The atmospheric duo rinse system with built-in air gap is the benchmark for rinsing.

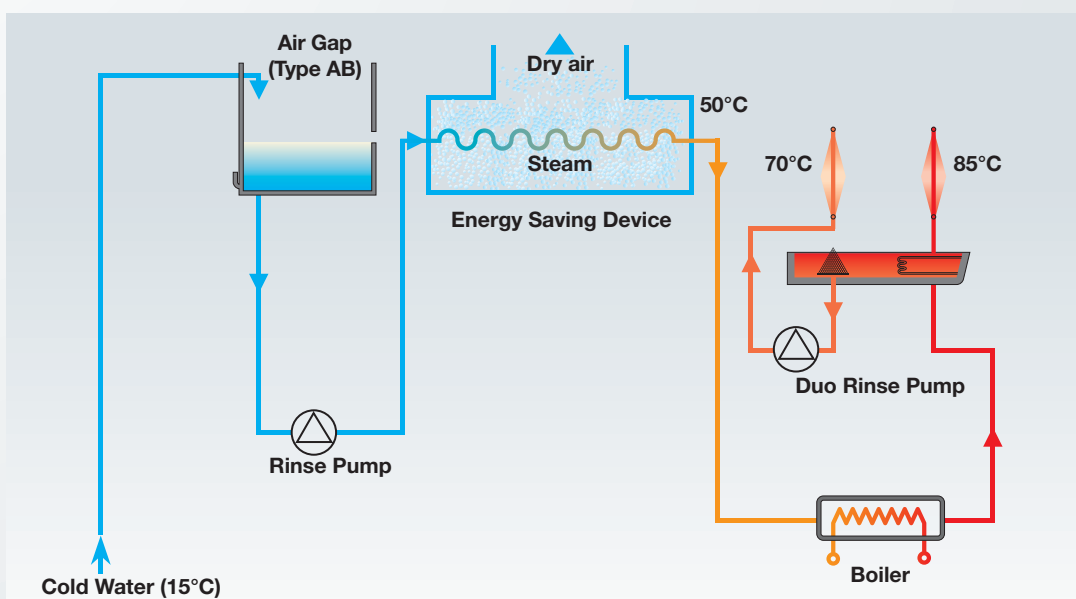


Hot water at a **constant temperature** in any conditions provides the peace of mind that every washed item will be **detergent free** and **sanitised**.

The tried and tested two stage rinse system, the duo rinse, ensures complete **detergent removal with minimum water consumption** - hot rinse even from the 2nd rinse created by additional 3kW electrical elements in the duo rinse tank.

The **Energy Saving Device** is able to pre-heat incoming cold water, saving up to 12kW in energy as well as condensing the steam in the kitchen.

Duo Rinse system



Atmospheric Duo Rinse shown with Energy Saving Device

Sturdiness

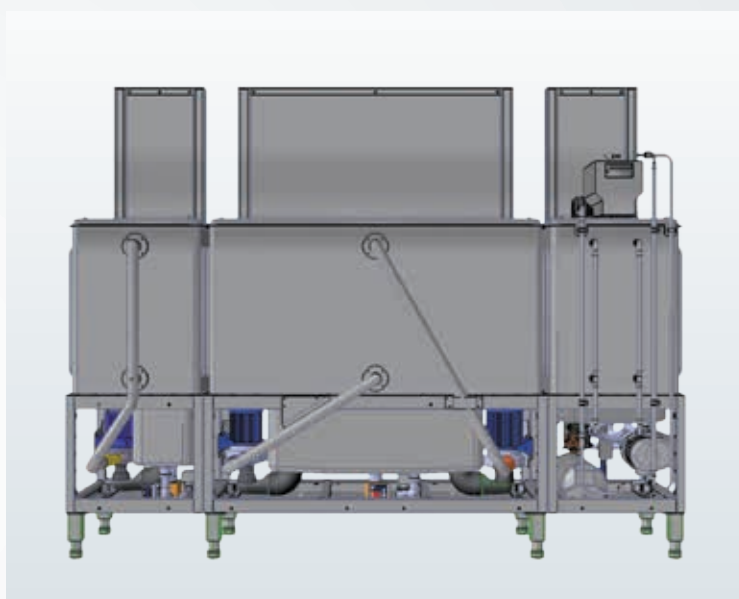
The Electrolux RT dishwasher is designed to be the work-horse of the kitchen, able to work continuously under heavy conditions.



Foam insulated counter-balanced doors add strength in arduous conditions.



The **solid 3mm thick stainless steel box sub-frame** provides long term sturdiness with bolt-together construction that can be split on-site for increased site accessibility.



All main components made in heavy duty anti-corrosive **304 AISI stainless steel**: all tanks, wash & rinse arms and end caps, doors, front and side-panels, feeding system fingers, basket runners and rear tubing.



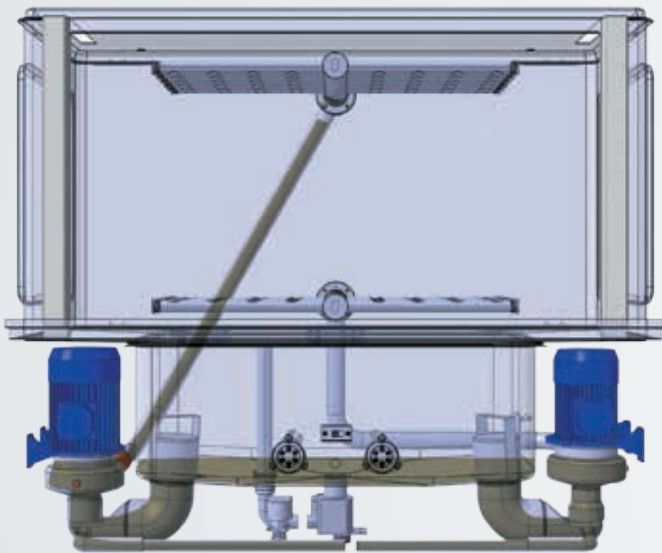
Stainless steel wash pumps ideal for heavy duty usage installations or where water supply is not constant.

Brass inlet valves are standard for extra reliability at high incoming water temperatures. **IPX5** water protection for easy hosing down of the machine exterior.

All **elements in Incoloy 800**, protected against all detergents.

Machine cleanability

The Electrolux Modular Rack Type dishwashers have been engineered to be fully and quickly cleaned both internally and externally.



Self-draining wash pumps provide maximum hygiene with no smells.



Hinged flap, for easy access to the energy saving condenser unit, housed on extractable runners to aid cleaning.



Large balanced inspection doors for easy access to wash and rinse area.



Pressed tanks in the pre-wash, wash and rinse zones, sloped towards drain to prevent dirt build up.



Removable washing arms (**end-caps in stainless steel** as option).



Washing chamber without internal pipes.



Ergonomics



Foam injection insulated doors to reduce noise and cool uncomfortably hot surfaces (less than 60°C.) Counter balanced door with springs open with minimum operator effort and incorporate a safety device to block the door during cleaning. **Door handles** designed to be accessed from any position.



Quick pull-out stainless steel **filters**. Easily removable "click-in / click-out" **wash arms**.



The **drying zone** removes every trace of water from the crockery via a high powered fan, that sucks dry air from outside with minimum temperature loss and steam escape.

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Dishwashing
System
Welcome in the New Rack Type




WASH-SAFE
CONTROL

Electronic control panel

Touch button electronics provide notable benefits, whether for the operator, the owner or the engineer and also the user: in order to avoid time-loss for the operator, the electronic control audibly and visually signals on the display, messages such as: Door open - close the door / Warm up / Clean - cleaning cycle being performed / Drain / Wash / Time-to-heat-up message from start up.

Pre-arranged for HACCP monitoring equipment such as computers, printers and modem for remote control.

Optional measuring of water, detergent and energy consumption.

The following information can be selected and displayed in the window:

Stand by mode:

- Actual and set temperature values
- Flow limit settings
- Today's washing statistics
- Today's washing alarms
- Time left to service
- HACCP function

Washing mode:

- Washing efficiency
- Current alarms
- Actual & set temperature values
- Flow/speed/electrical actual power values (if meters are installed)
- Today's washing statistics
- Today's washing current alarms

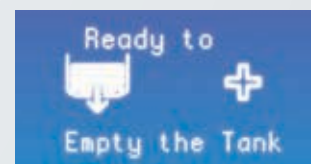
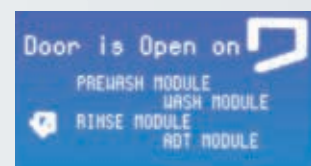
Setup mode:

The following fields can be set:

- Date and time
- Language

For the technician:

- Model and serial number,
- electricity supply, maximum absorbed power and production year
- Temperatures
- Service timer
- HACCP protocols
- Water flows (option)



The green light provides the operator with an immediate signal after every rinse cycle informing that rinsing has been performed to perfection.



Cost savings

The unique wash and rinse system minimises water, energy and chemical usage to reduce overall running costs.

Water consumption



Traditional System

up to 30% saving



Electrolux System

The **IWS** avoids the need to completely drain all the wash tanks when the water becomes too dirty to wash.

A part of the dirty water, typically 15 litres/hr, is drained away and topped up with clean water on a predefined basis (variable onsite) so the dishwasher can operate all day. Water saving is up to 30%.

Detergent consumption



Traditional System

up to 75% saving



Electrolux System

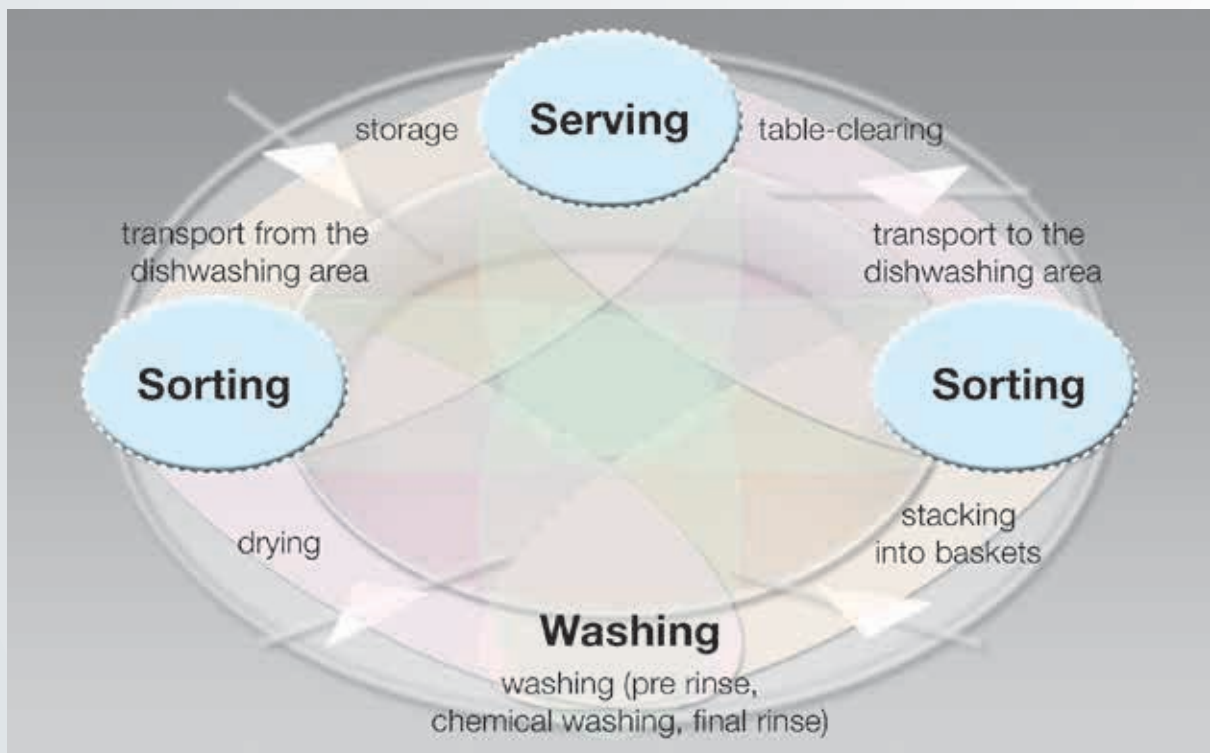
The separate pre-wash zone does not use heated water and therefore requires no additional water for cooling.

Autostart ensures no water and energy consumption during periods when dishwasher is on stand-by. The boiler is insulated to avoid further heat loss.

The **Energy Saving Device** incorporates a large condenser unit able to pre-heat incoming cold water to 50°C, saving **up to 12kW** as well as avoiding the need for a dedicated ventilation hood.

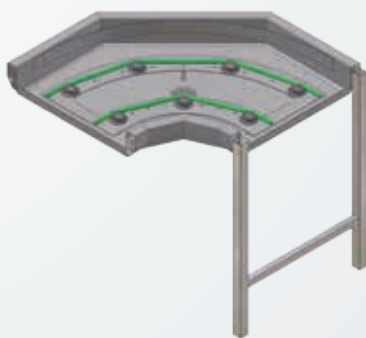
Handling systems

The Electrolux Modular Rack type dishwasher is the centre of a fully integrated rack loading system aimed at maximising efficiency in terms of capacity as well as minimising crockery breakage. Strength guaranteed by all stainless steel construction, ease of cleaning by rounded corner construction, comfortable ergonomic operation by correctly dimensioned functions, the system is ideal for installations up to 3,000 plates per hour.





Full system shown with **automatic stacking table**, 180° curve and roller conveyor.



Cord conveyor for maximum hygiene.



180° curve-rounded corners and all working components hidden underneath to aid cleaning.

Product Range



Model	Type	Total length	Capacity Baskets/hour
WTM140	100 litre wash & rinse electric and steam version	1773 mm	from 80 to 140



WTM165	150 litre wash & rinse electric and steam version	2100 mm	from 90 to 165
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WTM180	50 litre pre-wash & 100 litre wash & rinse electric and steam version	2573 mm	from 110 to 180
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WTM200	50 litre pre-wash & 150 litre wash & rinse electric and steam version	2900 mm	from 130 to 200
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WTM250	100 litre pre-wash & 150 litre wash & rinse electric and steam version	3270 mm	from 160 to 250
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WTM300	150 litre pre-wash & 150 litre wash & rinse electric and steam version	3600 mm	from 180 to 300
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Electric versions available either with or without energy saving device. Steam versions equipped with energy saving device as standard.

Excellence with the environment in mind

Electrolux Professional solutions perfectly match the customers' needs, including the areas of reliability, cost efficiency and sustainability. The products are the best in terms of quality - durability with low running costs. Some installations have been running for more than 40 years!

- All Electrolux Professional factories are ISO 14001-certified
- All Electrolux Professional solutions are designed for low water, energy and detergent consumption, and for low emissions into the environment
- All Electrolux Professional solutions are the best-in-class in terms of quality, for a long life cycle with the lowest life cycle costs. There are solutions still running after 40 years
- All Electrolux Professional solutions are ROHS and REACH-compliant and over 95% recyclable
- All Electrolux Professional solutions are 100% quality tested and all of the functions are singularly checked by expert technicians
- In the last five years, more than 70% of Electrolux Professional solutions have been updated with features that are always designed with the needs of customers and environmental considerations in mind
- Electrolux Professional sustains a specific energy saving program to reduce the energy consumption of its production plants

