

Electrolux Professional  
Dishwashing



# Peace of mind

green&clean Rack Type Dishwasher  
The backbone of your business



# You talk...

The ideal rack type dishwasher for my business would be **efficient, economic to run and quick and easy to maintain**. We handle heavy loads of dishes and it is vital that they come out **perfectly clean and sanitized** all day, every day. Reliability is essential. Break downs and downtime for complex daily maintenance are frustrating and costly. The easier to use the dishwasher, the better



# ...we listen

Want to cut running costs, have brilliantly clean, sanitized dishes and make use and maintenance really simple? Introducing the new green&clean rack type dishwasher

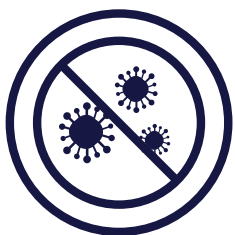


**Green**  
Lowest running  
costs in the industry



**Clean**  
Brilliant  
washing results

0,4 liter/rack



**Safe**  
Guaranteed  
sanitation



**Easy**  
Use and  
maintenance



hygiene

# The backbone of your business

With the **lowest running costs in the industry** and guaranteed results load after load the new **green&clean rack type dishwasher** from Electrolux is the best in class for sustainability and reliability making it the **backbone of your business**

## Lowest running costs in the industry

Save **€3.240\*** a year. Using just one of glass of water per rack, green&clean's innovative rinse module uses less water, less electricity, less detergent and less rinse aid



Green



## Consistent performance

Say goodbye to manual descaling and keep maximum efficiency to continue performing over time with automatic **ZERO LIME** descaling device



Easy

## Made-to-measure

Creating the ideal rack type for you couldn't be easier and if your needs change, green&clean's innovative modular system means custom options and upgrades can be added on-site whenever you like. Ask your dealer to configure the ideal solution for you

## Simple to use

green&clean's touchscreen interface talks your language. Different users. Different information. Easy to understand technical info and guided troubleshooting for fast fixes





Green

### Completely Ventless

Steam-free surroundings and no spend on ventilation with green&clean **NATURALLY VENTLESS** solution



Clean

### Brilliant washing results

Perfectly clean plates at every use thanks to the advanced **CLEAR BLUE** filtering system that keeps water cleaner for longer



Safe

### Guaranteed sanitation

Perfectly hygienic results with **WASH-SAFE CONTROL** guaranteeing constant **85 °C** rinse temperature



# performance

# Lowest running costs in the industry



## WASH ONE RACK WITH JUST ONE GLASS OF WATER

Save **€3.240\*** washing  
500 meals/peak hour  
twice a day



Scan  
to discover more

### One glass of water

Completely remove detergent and sanitize wares using just 0.4 liters of fresh water per rack. green&clean's innovative multi-rinse module only uses fresh mains water for the final rinse. This water is filtered and recycled twice using a twin-tanks configuration with a **6 rinse arms system**



\* Cost savings are calculated by Electrolux Professional Lab which is accredited by IMQ, INTERTEK, ENERGY STAR measurement. Comparison made between green&clean rack type dishwasher and an equivalent conventional machine using 300 l/hour for rinsing at 10 °C inlet, for a staff canteen serving 500 meals/peak hour twice a day over 360 days period

# The only steam-free comfort zone



Better for you. Better for the environment. Make your dishwash area steam free. green&clean are the only rack type dishwashers on the market equipped with a CO<sub>2</sub> heat pump combined with air conveyors to deliver a **NATURALLY VENTLESS** result



## Steam-free savings

No investment in ventilation and a cooler, healthier dishwash area. **NATURALLY VENTLESS** green&clean rack type with a CO<sub>2</sub> heat pump completely absorb steam. No direct extraction needed according to UNI ISO EN 7730 norm, VDI 2052 guideline and DW/172 UK regulation.

The first ever heat pump for catering applications using CO<sub>2</sub> means not other harmful gases uses:

- ▶ no greenhouse effect or ozone depletion. CO<sub>2</sub> is also safe to release in the air and is non-toxic and non-flammable
- ▶ no surprises on cost as CO<sub>2</sub> is a non-patentable gas
- ▶ ideal for use in countries with naturally warm tap water too as works with water inlet temperatures up to 30 °C
- ▶ keeps productivity higher with a cooler dishwash area by extracting and cooling warm ambient air

# - CO<sub>2</sub>

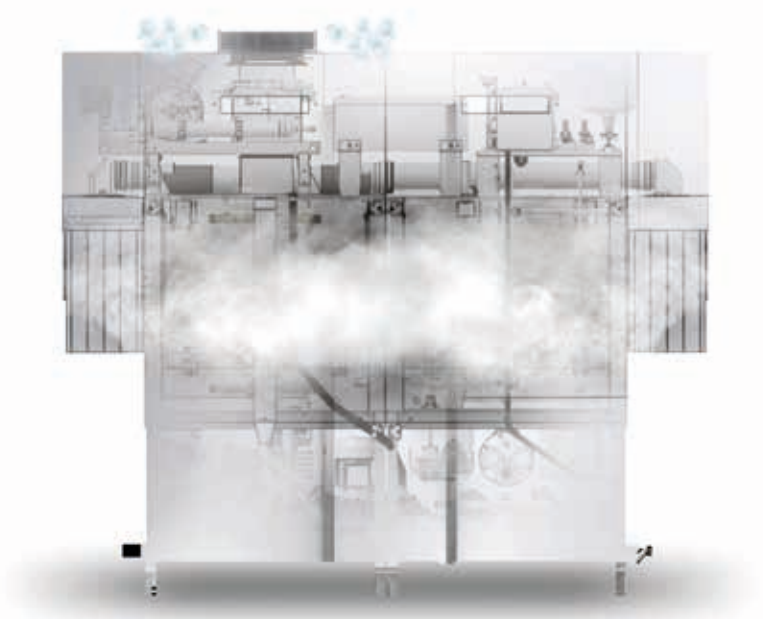
**Dramatically reduce CO<sub>2</sub> emissions.**

**16.415 kWh saved/year are equivalent to driving 44.495 Km a year by car with zero emission\***

## Extra savings and comfort with **NATURALLY VENTLESS**



\* Calculated by EPA (US Environmental Protection Agency)



# Good for the environment, good for your pocket

One glass of water, that's all it takes to clean and sanitize an entire rack of dirty dishes with the new green & clean rack type dishwasher. Superior performance combined with savings in water, energy and chemicals



 **Use 63%  
less water**

Using just 0.4 liters of water per rack with guaranteed washing performance you **save 800 €/year**



\* See page n. 6





## Use 34% less energy

Save 1585 €/year on energy and say goodbye to manual descaling. No limescale build-up means heating elements at maximum efficiency to continue performing over time with automatic **ZERO LIME** descaling device



## Extra savings, 50% less energy

Increase further savings up to 2.300 €/year on energy cost with **NATURALLY VENTLESS** heat pump solution



## Use 62% less detergent and rinse aid

Better for the environment. Better for your pocket. **Saving you 855 €/year** on detergent and rinse aid



Scan to discover your savings with the online Needs Matcher

0 € / YEAR

# Brilliant washing performance

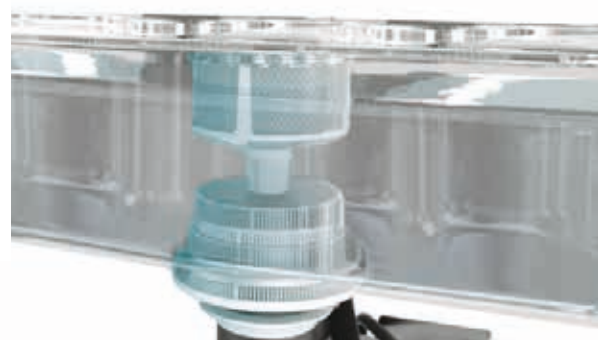


Brilliantly clean tableware, utensils, trays and gastronorm containers. green&clean's **CLEAR BLUE Filtering System** keep water free from food residues



## Outstanding washing performance

Spotlessly clean wares and no downtime to change water. **CLEAR BLUE Filtering System** removes all trace of food residue from the wash water thus improving detergent efficiency and giving outstanding results. With an inclined tank filter, food debris is collected, guided through a multi-stage filtering system and then flushed away



# 95%

of food residue filtered means superbly clean results, less maintenance and less downtime

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## Greater savings and performance with Optimized Cascade Effect

Minimize water and energy consumption and get even cleaner wares with no downtime for water replenishment. Even large items like trays and boxes come out perfectly clean with **Optimized Cascade Effect** which uses built-in sensors to automatically transfer just the right quantity of water from the triple-rinse tank to the wash tank using a small by-pass pump



# Safety is peace of mind



No more worries, sanitation is always under control. **WASH•SAFE CONTROL**: the rinse quality is guaranteed thanks to the constant rinsing temperature and the water pressure which is independent from the mains



## Perfect sanitation

Sanitation and rinse quality are guaranteed with green&clean's **WASH•SAFE CONTROL**. It maintains a constant rinse temperature of 85 °C thanks to a hydraulic system featuring as standard air gap and 3 rinse pumps

# 85 °C

constant rinse temperature means maximum level of hygiene



## Best-in-class safety

### NSF and DIN 10510 compliant

The new green&clean rack type complies with:

- ▶ **North American NSF/ANSI 3: Commercial Warewashing Equipment** standard for wares sanitation
- ▶ **German DIN 10510: Food hygiene - Commercial dishwashing with multitank-transportdishwashers - Hygiene requirements, procedure testing** standard for hygiene requirements of multitank dishwashers



NSF/DIN 10510

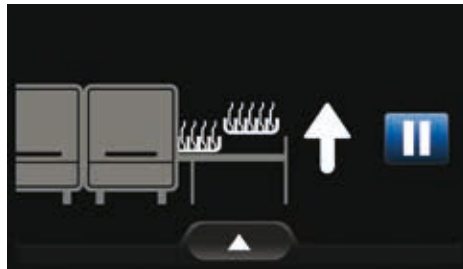
# The simple touch



green&clean's touchscreen interface talks your language

## up to 30 languages and a new simple touch panel

Using clean&green couldn't be easier. Simple graphics guide the user through the quick and easy steps to access different options. Different users. Different information



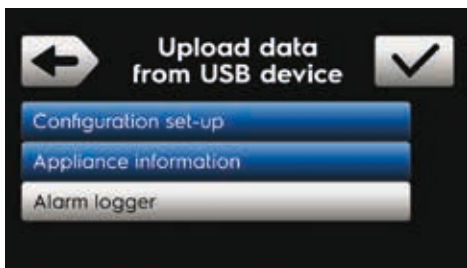
### Operator

Simple animations and little text make everyday use foolproof



### Internal maintenance staff

Easy to access, easy to understand technical info and protected access with a level 1 password



### Electrolux Authorized Service Partners

Faster troubleshooting with at a glance technical information and protected access with a level 2 password



# Reliability is something serious

Best in class reliability. green&clean rack type dishwashers are far more reliable than conventional machines on the market

## This is how we prove it: the difference is in the details

a. Reliability tested. We used **10 automotive final test boards** to make the power and the connections reliable



b. Stress test passed. **7 times longer life time** compared to conventional rack type dishwashers. Tested in the Electrolux Research&Development Lab and certified by Intertek



c. No fire hazard or loose connections with hard wired heating elements



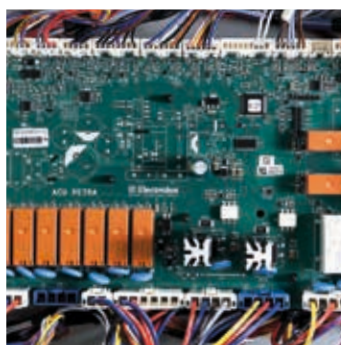
d. No chance of damage caused by floor cleaners as external bottom panel is flat and fully sealed



e. Protection from heat and moisture with separate cabinet for electrical components



f. **IP25** rating so not damageable by small animals like mice and protected from water jets from any direction. Water and moisture resistant connectors, and double sided, double layer coated electronic boards with surge protections



# No more downtime with the automatic backup mode

Keep washing, even if something goes wrong. No more stoppages or hand washing while waiting for a service engineer.

green&clean rack type dishwashers automatically adopt a different working mode, bypassing faults, to continue washing.

Built-in sensors rapidly identify any issues and activate back-up modes such as altering pump flow, water transfer or speed level

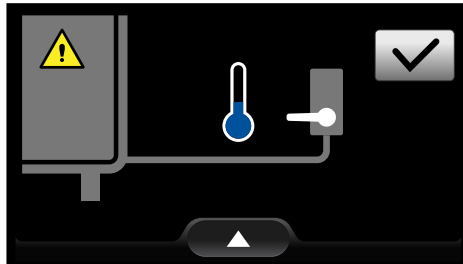
## Guided troubleshooting for fast fixes

Troubleshooting is guided by the machine and service intervention is only requested when strictly necessary

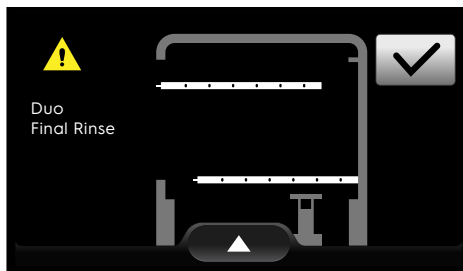
### a. Keep downtime down

**300** simple, precise notifications identify any issues and the components involved.

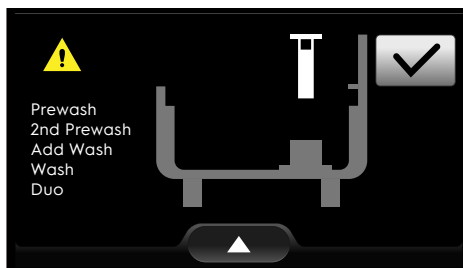
**23** easy-to-follow troubleshooting processes guide the operator, the internal maintenance staff or the Electrolux Authorized Service Technician to a quick diagnosis and fast resolution directly from the touch screen interface. For example if waterflow is an issue, the operator is led through basic checks (eg water tap on, overflow pipe in place). Service engineer intervention is only suggested when absolutely necessary



Open cold water notification



Clean tank filter notification



Insert overflow notification



1. When a warning message is notified, push the **CONTINUE** button to activate the automatic back-up mode



2. Your green&clean rack type switches into a back up mode to allow you to wash, but the **warning sign** reminds to the operator to ask for a service check

### b. Hassle-free maintenance and repairs. No need to move the machine

Faster check-ups and repairs with easy front access to all components







green&clean



Electrolux



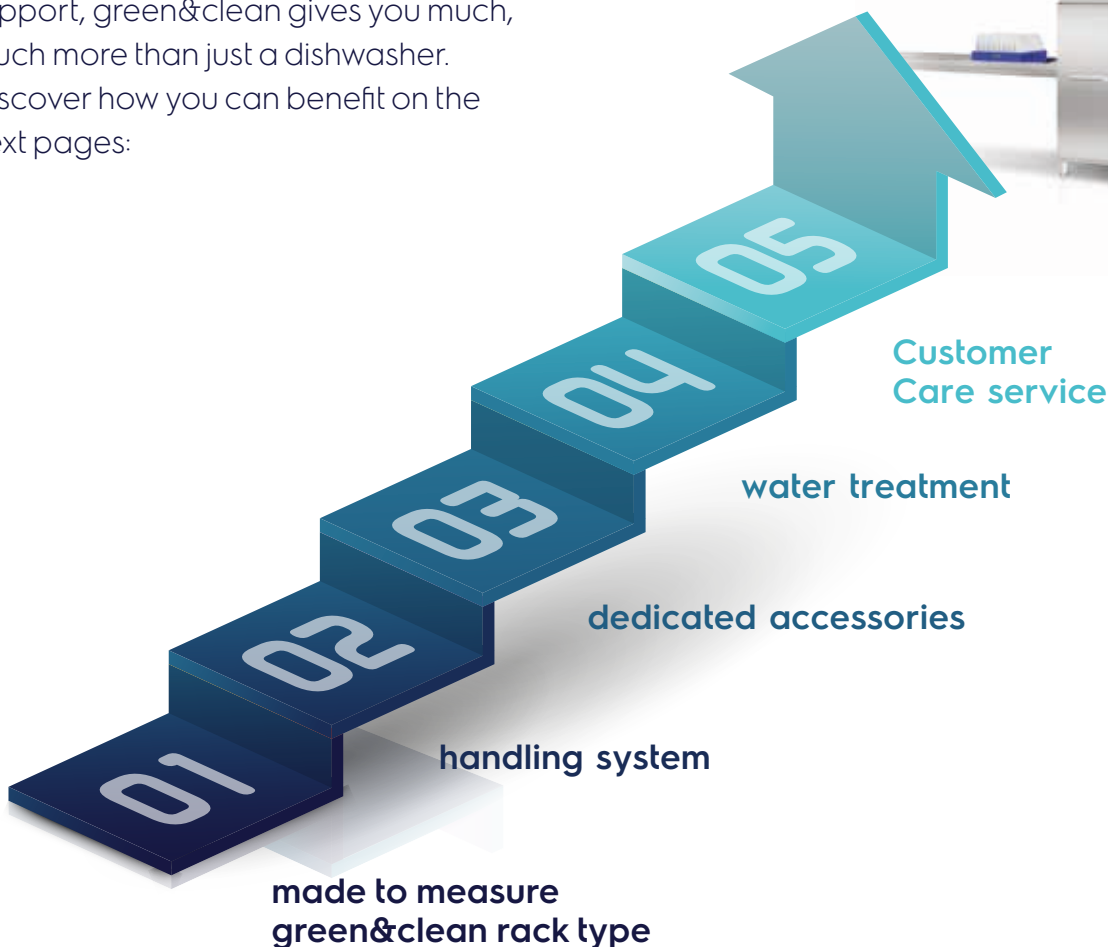


# So much more than just a dishwasher.

## Find out more on the following pages



From customization and upgrades at any time, to accessories and after-sales support, green&clean gives you much, much more than just a dishwasher. Discover how you can benefit on the next pages:



# Step 1.

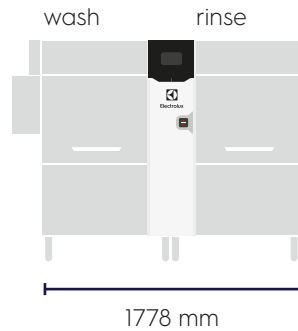
## Make it to measure

Add various custom options and upgrades whenever you like, even on-site

### First select the right combination for your needs

**150**  
racks/hr

washes 200 to 500 full meal sets in 2 hours



#### Minimum Power requested

CO<sub>2</sub> heat pump with  
NATURALLY VENTLESS

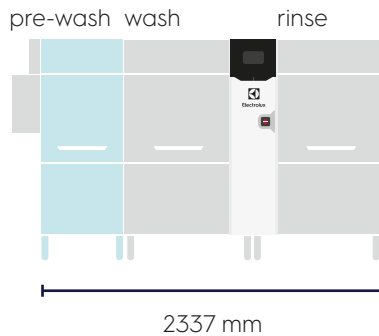
ESD model

15,4 kW

20,8 kW

**200**  
racks/hr

reduces labor cost thanks to the pre-wash module

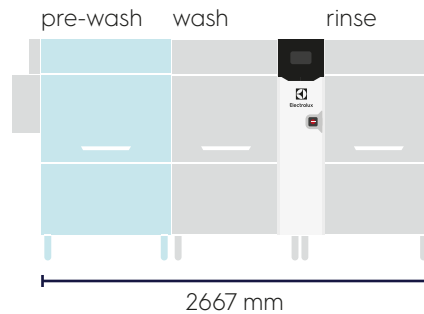


17,3 kW

22,7 kW

**250**  
racks/hr

increases efficiency and speed with the large pre-wash module

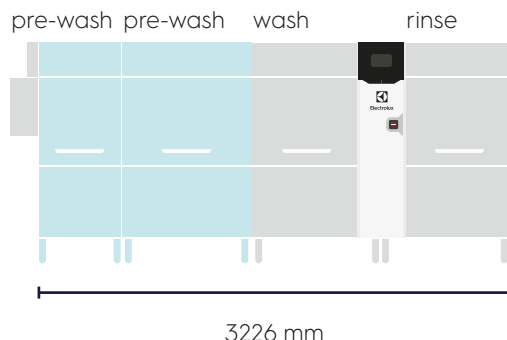


20,4 kW

25,8 kW

**300**  
racks/hr

washes 400 to 1000 full meal sets in 2 hours



20,8 kW

26,2 kW

# green&clean rack type dishwasher grows with your business

Creating the right green&clean rack type for you couldn't be simpler and as your business grows and changes, the unique modular system means that green&clean rack type

dishwasher grows with you. Start with the basic wash and drying modules and add upgrades and customizations at factory level or on-site, whenever you like

## Then select the right drying solution

### No dryer

no need for extra drying beyond the natural evaporation generated by the hot temperature of the wares

### No extra space needed

### Medium Dryer

medium capacity, recommended for dishes, fitting straight line set-ups



### Corner Dryer

medium capacity, recommended for dishes, saves space thanks to the front or back exit direction



### Large Dryer

medium capacity, recommended for glasses



### Two dryers in any combination

large capacity, suitable for glasses, stainless steel containers, plastic boxes and trays

# Step 2. Streamline your dishwashing area



**Scan** to build the made to measure handling system combination from the numerous options available



**18**  
Pre-wash table options

available in any length up to 1.6m



**12**  
Roller conveyor options

available in any length up to 2.6m length



**3**  
Loading/unloading table options

available in any length up to 1.6m



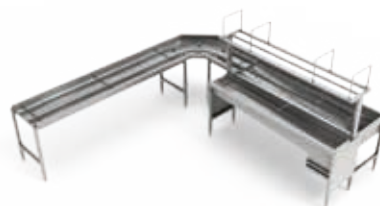
**50**  
Sorting table option

available both manual sorting and automatic sorting for up to 6 racks



**6**  
Curve table

available both in 90° and 180°



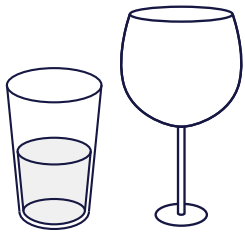
**28**  
Complete cord conveyor elements

for both trays and racks to be combined in any layout

# Step 3. Select your accessories



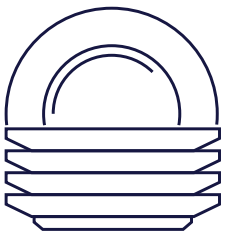
**Scan** to choose from our selection of dedicated accessories and consumables to fulfil your dishwashing needs



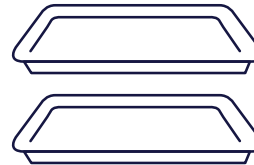
**15**  
Glassware  
basket types



**3**  
Cutlery  
and utensil  
holder types



**5**  
Plate  
basket types



**4**  
Tray  
basket types

# Step 4. Water treatment

Sparklingly clean wares are about using the right detergent, rinse aid and water. Choose your water treatment and ask to your local supplier the proper solution

# Step 5. All the support you need

Your satisfaction is our satisfaction. Anything you need is always available thanks to an extensive Customer Care global network with over **2,000** Authorized Service Partners in more than **149** countries. **10,000** professional technicians and over **98,000** spare parts in stock are ready to be delivered around the world in **24-48 hours**. We are always near, always there for you



## Consistent, reliable performance

Energy efficiency makes all the difference. High performance and food safety are guaranteed over time with Electrolux Customer Care providing expert periodic maintenance and **genuine spare parts**



## Easy chemical connection

Fast, easy and foolproof external connections for chemical dispensers. No need to open panels or drill holes



## We take care of your green&clean



## Peace of mind with Electrolux Professional Customer Care

The green&clean rack type dishwasher Customer Care Package gives you:

▶ **24 months** of our Maintenance Plan included to help you get the most out of your dishwasher

▶ **36 months** of additional peace of mind with our optional Performance Maintenance Plan. Get three more years of assistance and a discount on original parts

▶ **reduction of downtime** with rapid and tailor-made response time

▶ **avoid delay of interventions** with a swift delivery of genuine parts



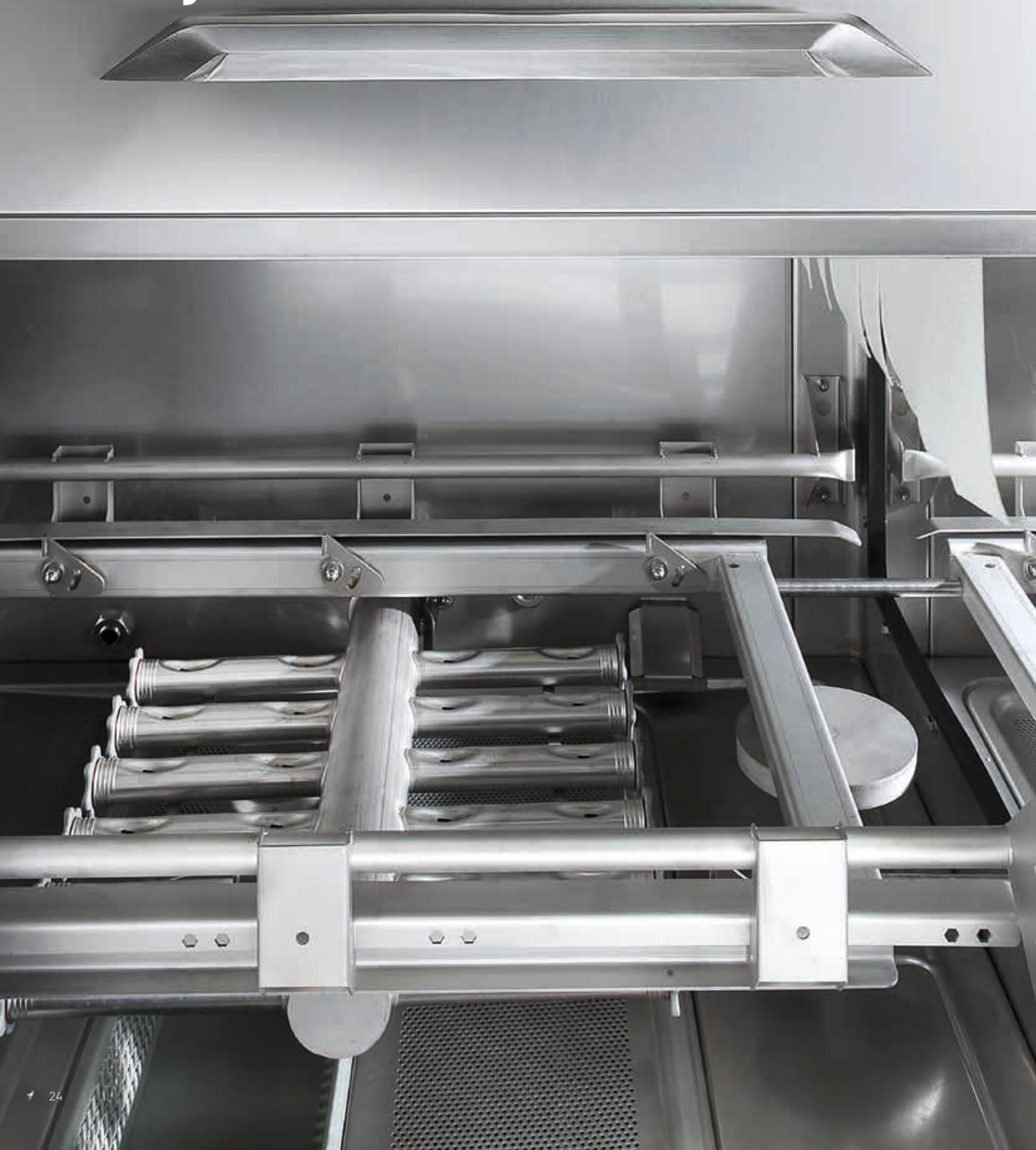
## Explore the green&clean complete package from dishwasher solution to Customer Care tailor-made assistance

Ask info and find an Electrolux Professional Partner at [www.professional.electrolux.com](http://www.professional.electrolux.com)

# And the final result



# What Electrolux green&clean can do for your business





# Hotel

Need efficiency, reliability and brilliant results load after load all day every day?  
Want a simple to use machine, no downtime and the lowest running costs around?  
green&clean will keep you, your customers and staff happy



## Lowest running costs in the industry

Save up to €3.240\* a year.  
Using just one of glass of water per rack, green&clean's innovative rinse module uses less water, less electricity, less detergent and less rinse aid

\*See note at page 6



## Brilliant washing results

Perfectly clean plates at every use thanks to the advanced **CLEAR BLUE** filtering system that keeps water cleaner for longer



## Everything made easy with simple troubleshooting

Using clean&green couldn't be easier. Different users. Different information. Easy to understand technical info and protected access with a level 1 password for internal maintenance staff. No more downtime with the automatic backup mode and the guided troubleshooting for fast fixes



# Education, Leisure & Sports

Want to save as much as possible on running costs, cut maintenance time and have peace of mind knowing that every glass, plate, tray and utensil is perfectly sanitized? Easy to use green&clean are the most efficient and reliable rack type dishwashers on the market



## Lowest running costs in the industry

Save up to €3.240\* a year. Using just one of glass of water per rack, green&clean's innovative rinse module uses less water, less electricity, less detergent and less rinse aid



## Safety is peace of mind

Perfectly hygienic results with **WASH-SAFE CONTROL** guaranteeing constant 85 °C rinse temperature



## Green pocket and simple to use

Save 1585 €/year on energy and say goodbye to manual descaling. No lime scale build-up means heating elements at maximum efficiency to continue performing over time with **ZERO LIME** descaling device

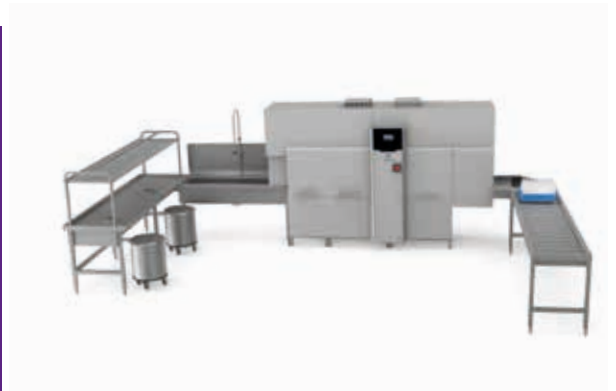


## Leicester Stadium

Stadium  
Leicester  
United Kingdom

On a typical match day we do about 1800 covers. Our main challenge is making sure all our customers are fed pre-match. The green&clean rack type machine during service has been fantastic and has saved us a lot of time with not having to polish at the other end of the cycle. It leaves us time to concentrate on more important things. For us, it's just plug&play.

Matt Whiteman, Sous Chef



**“1000 racks/day works solid 13 hours”**

# Business, Transport & Industry

With the lowest running costs in the industry, certified sanitation, low-maintenance and guaranteed performance all day every day, green&clean rack type dishwashers are great for the environment but even better for your bottom line



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Maria Cristina Lot,  
Operator

## Sodexo

Staff Canteen  
Pordenone  
Italy

The machine is peace of mind because it is just plug and play. It is more silent and there is no steam thus making the working environment more comfortable especially in the summer months. In addition the control panel is very easy to understand



**"3000  
dishes/day"**

\*See note at page 6





# The green&clean family

Green, clean, safe and easy with green&clean dishwashers line



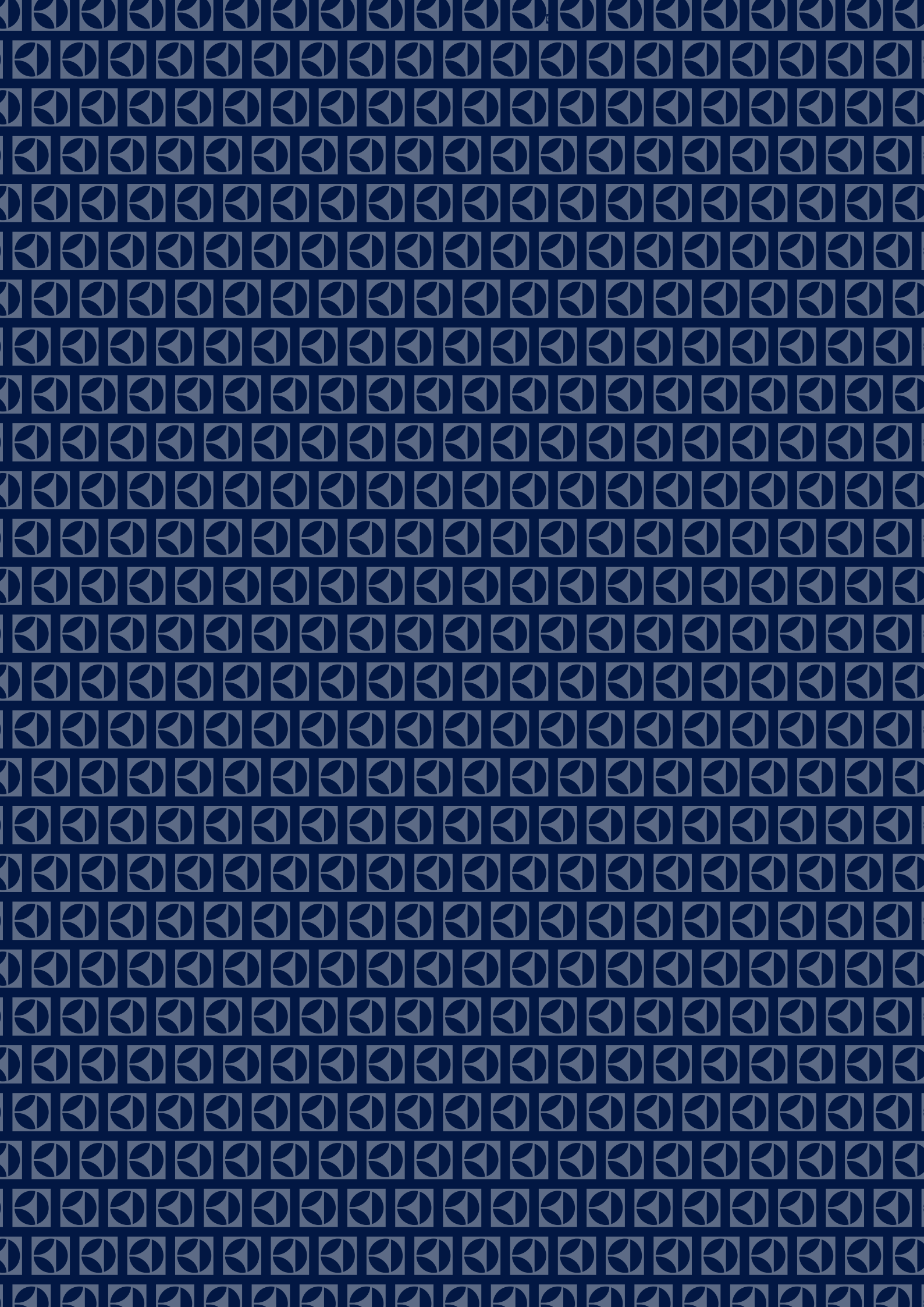
Automatic green&clean hood type dishwasher (with ESD)



Manual green&clean hood type dishwasher



green&clean rack type dishwasher





Discover the Electrolux Excellence  
and share more of our thinking at  
[www.electrolux.com/professional](http://www.electrolux.com/professional)

Follow us on



## Excellence with the environment in mind

- ▶ All our factories are ISO 14001-certified
- ▶ All our solutions are designed for low consumption of water, energy, detergents and harmful emissions
- ▶ In recent years over 70% of our product features have been updated with the environmental needs of our customers in mind
- ▶ Our technology is ROHS and REACH compliant and over 95% recyclable
- ▶ Our products are 100% quality tested by experts

