PF45 R B-GREEN
DISHWASHER & BOTTLE WASHER: 2 IN 1

Prime Line

Go green. With B-Green.

COMENDA
TO CLEAN. WITH CARE.

Prime Line

SUSTAINABLE HYGIENE.

For a world free from plastic waste.

The use of plastic still has a serious impact on the environment and on the marine ecosystem.

According to the WWF:

“Every year, 570 thousand tonnes of plastic end up in the waters of the seas: it is as if 33,800 plastic bottles were thrown into the sea every minute.”

More and more operators in the HO.RE.CA. sector, healthcare facilities and private companies are moving towards increasingly sustainable solutions, reducing the use of plastic bottles in favour of refillable bottles.

The new Comenda PF45 R B-Green offers an efficient solution to clean refillable bottles and jugs.

PRIME LINE

Durable and reliable the new PF45 R in B-Green is designed to satisfy multiple washing needs during service.

PF45 R B-GREEN

Dishwasher and bottle washer 2in1 Multipower,
500x500 mm rack,
500x500 mm rack 16 bottle or 9 jugs,
360 mm clearance

16 compartment 500x500 mm racks for refillable bottles

500x500 mm rack for 12 deep dishes / 18 dishes

9 compartment 500x500 mm racks for refillable jugs

Supporting operators going plastic free by moving from a single-use plastic bottles consumer role to a zero-waste ambassador.

BUSINESS AREAS

HO.RE.CA

PUB, BAR & BISTROTS

BAKERY SHOP

CHILDCARE & SMALL CANTEENS

FEATURES

DURABILITY

- **Single skin body in AISI 304**
- **Molded double skin insulated door**
- **Rear panelling**

FLEXIBILITY

- **Multipower solution**
- **Hood activated cycle start and manual cycle start**
- **Provision for drain pump**
- **Soft Start:** The cycle starts slowly and gradually builds to full speed to prevent the dislodging of light items like glassware and crockery and consequently breakage (PF46 R)
- **Quick parameter access and setting** from the control panel (for certified Comenda engineers)
- **Built-in detergent and rinse-aid dosing pumps.**

HYGIENE

- **Single piece deep drawn tank:**
- **Multiple filtration system** (whole tank filter and pump suction filter)
- **Self-cleaning cycle at unit switch-off**
- **Wire rounded rack guides:** no blind spots during operations

SAFETY

- **Magnetic microswitch** to stop the cycle in case of accidental door opening;
- **Adjustable Thermostop as a standard:** it ensures that the correct operating temperatures are reached;
- **Temperature measurement** via electronic probes: accuracy and reliability. Allows the operator to read the real and the set point temperatures on the display.

POWER AT YOUR FINGERTIPS

- Display with **temperature indicators;**
- **4 programming options for washing cycles** (Eco fast, Glasses, Dishes, Bottle/Jugs);
- **Diagnostics** with alphanumeric alarm codes;
- **Cycle progress** with alphanumeric countdown;
- **Display with temperature indicators;**
- **Cycle and performance counter:** allows for plan maintenance. Useful for statistics and usage information.
- **Colour- coded status indicators.**

FEATURES

-25%
- water
- energy
- chemicals

Consumption

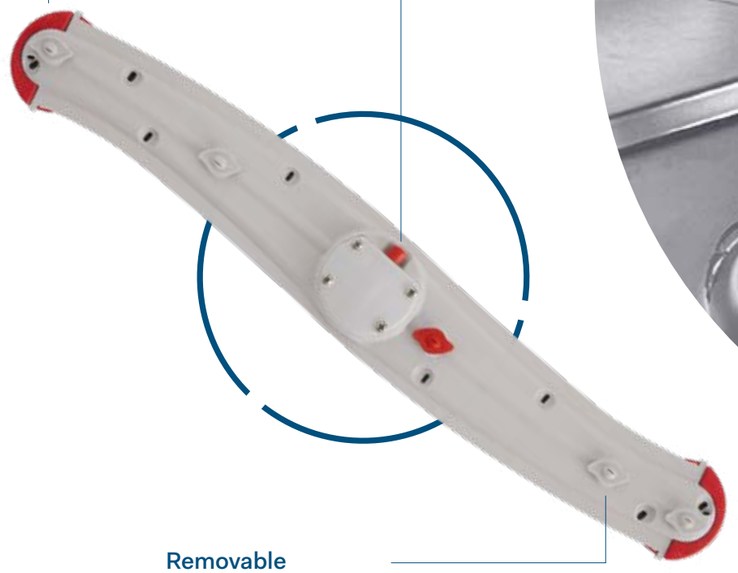
STANDARD

WRIS®2+ WASH AND RINSE INTEGRATED SYSTEM

The WRIS®2+ posts a 25% reduction in rinse water consumption while still providing a thorough, consistent clean.

Reducing operating expenses while washing efficiently: 27.302 l of water saved per unit per year compared to standard systems.

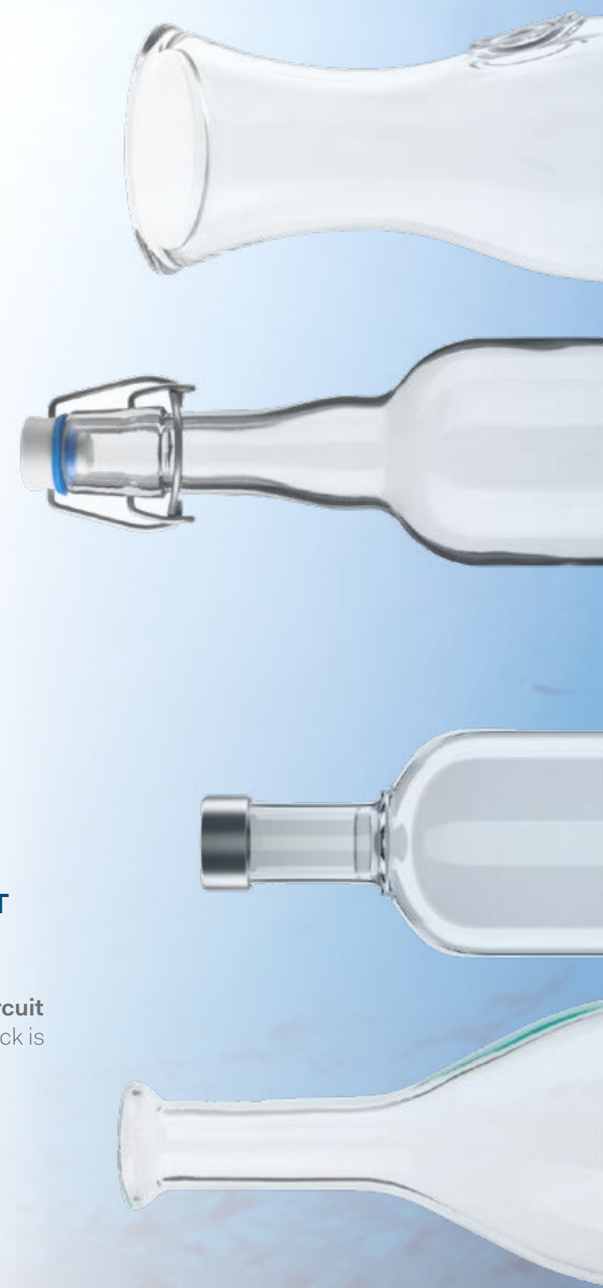
Thanks to the double water blade design, the WRIS®2+ boosts contact time and leaves no blind spots as it produces brilliantly clean glasses, dishes and cutlery.



STANDARD

SPECIFIC COMPARTMENT RACKS FOR REFILLABLE BOTTLES AND JUGS

A separate stainless steel rinse circuit will automatically activate when the rack is loaded.



FEATURES

PF45R B-GREEN: TWICE AS USEFUL

Thanks to the Comenda innovative **B-Green rack**, featuring **quick-coupling hook,** you can **load the machine with a single gesture!**

The practical sensing probes will activate a separate hydraulic circuit, allowing the automatic selection of the dedicated program, for perfect cleaning of your bottles and jugs!

Just remove the bottle rack and use one of the many standard 500 x 500 mm racks to wash dishes, glasses, cutlery and kitchen utensils.

CLEAN, FILL, SERVE, REPEAT

To wash refillable water bottles, simply insert the dedicated rack on the two side guides, hooking it up to the quick couplingsystem.

A washing cycle with detergent and water at 55 to 65°C starts.

The upper and lower spray arms will ensure thorough external cleaning.

Rinse water at 80 to 85 deg C is then sprayed in the internal bottle surface by dedicated nozzles in each bottle neck.

The final rinse cycle, carried out by the WRIS2+ washing and rinsing system, will complete the cleaning of the bottles, removing traces of detergent from the bottom and external surface.

Your bottles and jugs will be clean and ready for refilling!

COMPLETE YOUR UNIT

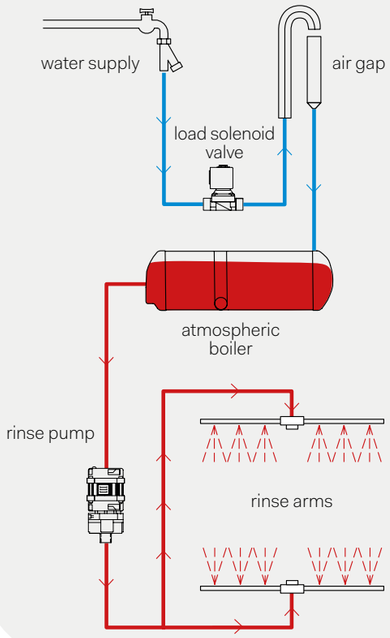
STANDARD

RCD - RINSE CONTROL DEVICE

The RCD System*, maintains constant water pressure and temperature throughout operations.

The highest levels of hygiene and sanitisation are achieved through high washing and rinsing temperatures along with contact times in line with the DIN 10534 standards.

RCD: how it works



OPTIONAL

WATER TREATMENT

Comenda water softener and reverse osmosis units can prove invaluable to your operation. Together they soften and purify water prior to the washing cycle to **eliminate the spotting and streaking that can blemish glasses, dishes and cutlery.** They also contribute to streamlining your operations and saving on long term equipment costs.**

* "R" execution with integrated RCD System.

** Water softeners and reverse osmosis systems are available in external execution only.

CS 08

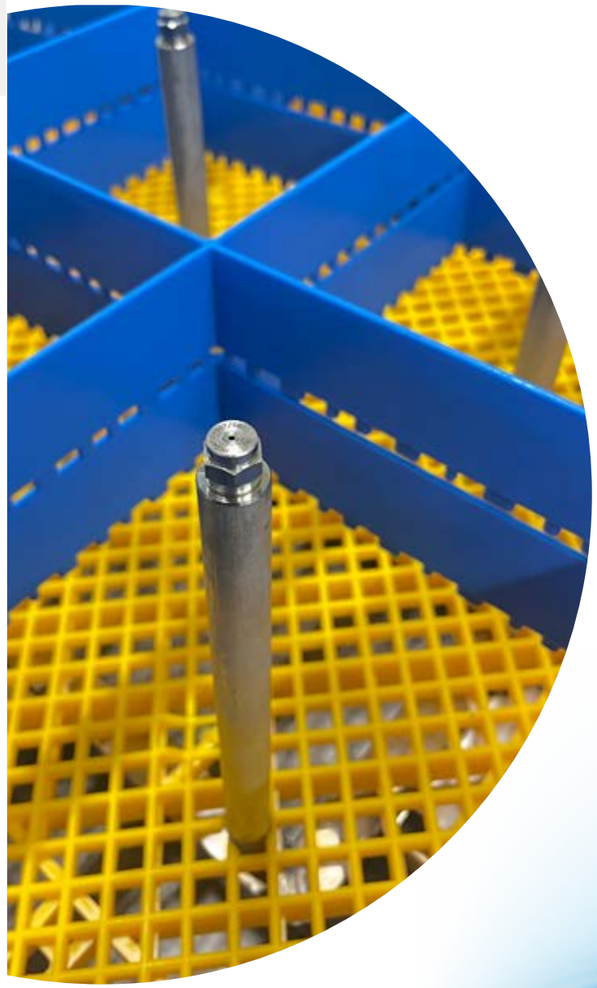
AQUA + ES

AQUA + VS

HYGIENE STARTS FROM THE RACK

Water and humidity favour the proliferation of algae, fungi, mould, bacteria: bottles and carafes must be washed carefully, after each use!

Comenda racks allow for proper spacing and optimum water penetration.
The outcome is a more thorough cleaning with rapid evaporation times and enhanced protection to reducedemage and breakage.



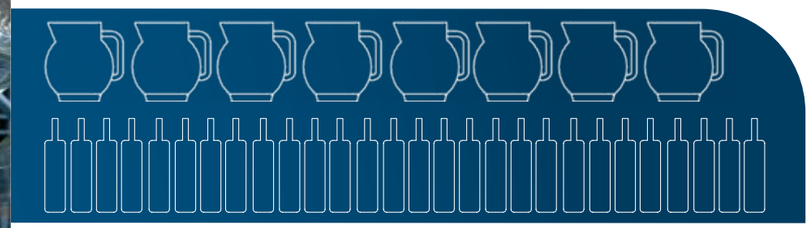
BENEFITS

TIME-SAVING

No need to remove the WRIS®2+ arms in the chamber to switch in bottle washing mode.

EFFICIENCY

Up to 224 water bottles or 126 jugs for hour!



FLEXIBILITY

It allows to wash dishes, glesses, cutlery or water bottles and carafes/jugs, simply by loading the dedicated rack!

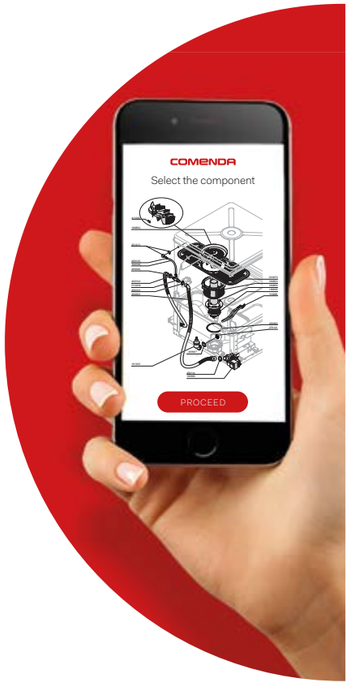
AT YOUR SIDE SINCE 1963

As the spring board company of Ali Group, Comenda offers professional washing machines rigorously **“Made in Italy”**, according to the highest quality standards.

Comenda solutions range from small-sized cup and glass washers for bars to large, automated, continuous feed systems for restaurants, hospitals, canteens and inflight catering.

Our operational flexibility allows us to supply **tailor-made systems,** designed to meet individual space and operation requirements, without any limits on processing capacity, **granting the highest standards of hygiene.**

Championing exceptional performance, cost containment and highly energy efficient design since 1963



ORIGINAL SPARE PARTS: JUST ONE CLICK AWAY!

You can order directly from our website and check real-time parts availability, **24h a day and 7 days a week.**

On our website you can: **access and download** technical documentation on our machines (product manuals and detailed electrical and hydraulic schematics); find answers to the most frequently asked questions and **watch Comenda video tutorials.**

SPEED. SERVICE. SOLUTIONS.

There's no time for downtime in your operations. That's why our products are designed to facilitate quick turnarounds and replacements.

Comenda ensures rapid response and complete client service.

Our extensive network of distributors and service providers are ready to assist when in need.

NEVER STOP TRAINING

To support the ongoing training of our distributor and service network, we encourage our partners to attend our in-house, hands- on seminars. Ask our team for specific onsite training for operators and staff.

TECHNICAL DATA

PF45 R B-GREEN

Bottle washers & dishwashers: 2 IN 1

	PF45 R B-GREEN*
EXTERNAL DIMENSIONS (AxBxC) (mm)	600 x 605 x 820
OVERALL SIZE (D) (mm)	1015
RACK SIZE (mm)	500 x 500
CLEARANCE (E) (mm)	360
ELECTRICAL SUPPLY (V)	230V ~ 50Hz 230V/3 ~ 50Hz 400V/3N ~ 50Hz
PROGRAM LENGHT (sec)	90/90/120/**260***
OUTPUT RACKS (rack/h)	40/40/30/**14***• 32/32/30/**14***•
RINSE WATER CONSUMPTION (l/cycle)	2,5/**6***
TANK HEATER ELEMENTS (kW)	2
BOOSTER HEATER (kW)	7
TANK SIZE (l)	21
WASH PUMP (kW)	0,45
INSTALLED LOAD (kW)	7,45

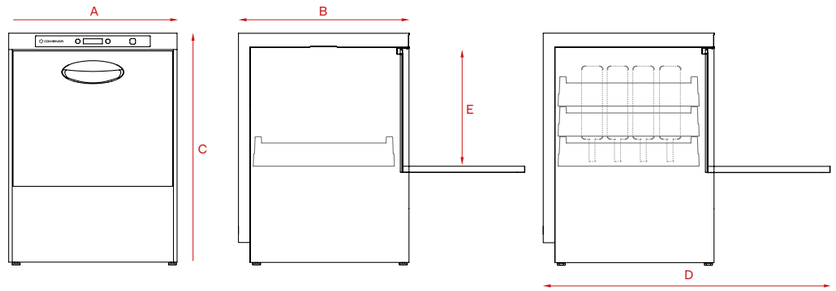
OPTIONAL

DRAIN PUMP
EXTERNAL WATER SOFTENER
SPECIAL VOLTAGES
9 COMPARTMENT RACK FOR BIG JUGS
BASE STAND WITH DOOR
STAND FEET KIT FOR PF45 - H 125-165 mm (PROVIDED SEPARATELY)
PROVISION FOR PEAK POWER REDUCTION CONNECTION

- With RCD
- Output racks - cold water connection (15 °C)
- Output racks - hot water connection (55 °C)

* Water bottles and jugs dadicated cycle

PF45 R B-GREEN



BOTTLE RACK

With the Comenda B-Green rack you can wash up to 16 bottles for cycle, with a productivity of 14 racks/h!

JUGS RACK

With the Comenda B-Green rack you can wash up to 9 jugs for cycle, with a productivity of 14 racks/h!

+ EXECUTION

Prime Line also available in the "+" execution with built- in drain pump and detergent dosing unit, rinse aid dosing unit

Cod. 900920IT11.22 - Con riserva di variazione delle caratteristiche tecniche. Foto non vincolanti.

CONTACTS

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Azienda con sistema di gestione qualità/ambiente certificato secondo le norme ISO9001 e ISO14001:2015.

Comenda complies with ISO9001 quality management system and ISO14001:2015 environmental management system.

COMENDA

an Ali Group Company

GROUP

The Spirit of Excellence