



GREY
line

BCE Series Glasswashers



5 good reasons to choose the BCE Series

1 Economy

An advanced temperature check system allows series BCE glasswashers to heat the water to a temperature lower than the setting while it is waiting for the racks to be loaded. The RCD (Rinse Control Device) allows a constant quantity of water to be used regardless of the mains pressure. This results in significant cost-saving in terms of electricity and water consumption.

2 Reliability

An easy-to-read electronic board provides the user with real-time updates concerning the machine's operating status. A round-the-clock service is available online, enabling the user to view diagrams and spare parts.

3 Performance

An additional cold water rinse cycle performed without rinse aid cools the glasses, making them ready for immediate use. The absence of rinse aid in this cycle does not affect the quality of the froth on a beer glass.

4 Versatility

Machine special rack guides can accommodate both standard 400mx400mm square racks and 380mm diameter round racks. The Multipower system enables the machine to be adapted for connection to a single-phase or three-phase power supply.

5 Quality

The entire glasswasher production process is controlled by a quality system to ISO 9001:2008.



COMENDA

55 85



COMENDA



BCE Series

glasswashers



BC2E



BC3E



BC33EHR



BC33E RCD & AQUA+1

RANGE

The BCE is an innovative range of machines designed for washing glasses of any size or made of materials prone to cloudiness, chipping or scoring. These machines are equipped with state-of-the-art systems that guarantee perfect hygiene together with a delicate cleaning process and energy saving. They are available in various models and two different loading heights (235 mm and 270 mm). They are made of AISI 304 stainless steel and the double-skinned cabinet makes operation extremely silent. An electronic control panel shows the various stages of operation – heating, standby and running – and a digital display shows the temperatures. The wash pump features a Soft Start system that also calibrates the pressure to protect the glasses during the start of washing cycle. The Thermo Stop function ensures that rinsing only starts when the water temperature reaches 85°C. Thanks to their versatility, easy operation and reliability, BCE glasswashers are ideal for use in cafés, restaurants, wine bars and cafeterias, where large numbers of glasses have to be washed every day.

TRADITIONAL GLASSWASHERS

BCE glasswashers of the traditional type have four wash cycles with hot water rinsing (85°C). An additional rinse aid-free cold water rinse cycle cools the glasses down so they can be reused straight away. An electronic interface with a digital display on the control panel is used to set washing operations and monitor the temperature and operating status. A gravity-operated overflow outlet is provided, but a drain pump can be installed if necessary.

HR CLEAN WATER GLASSWASHERS

HR glasswashers mount high-tech devices that make them suitable for special needs, such as washing cocktail or milk-shake glasses and ice-cream bowls, where the residue quickly saturates the washing water. The use of an HAC board allows the temperature and the wash, drip and rinse times to be regulated as required. It also controls the additional cold rinse cycle. There are four full-drain wash cycles, during which all the dirty water is eliminated before the final rinse, and the clean hot water is recovered for the next rinse. Thanks to a Multipower system, HR glasswashers can be adapted for connection to a single-phase or three-phase power supply and total power can be reduced if necessary.

Detailed DESCRIPTION

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WASH SYSTEM

The upper and lower rotary wash/rinse arms are made of stainless steel. They achieve excellent results and are easy to remove without the need for any tools.



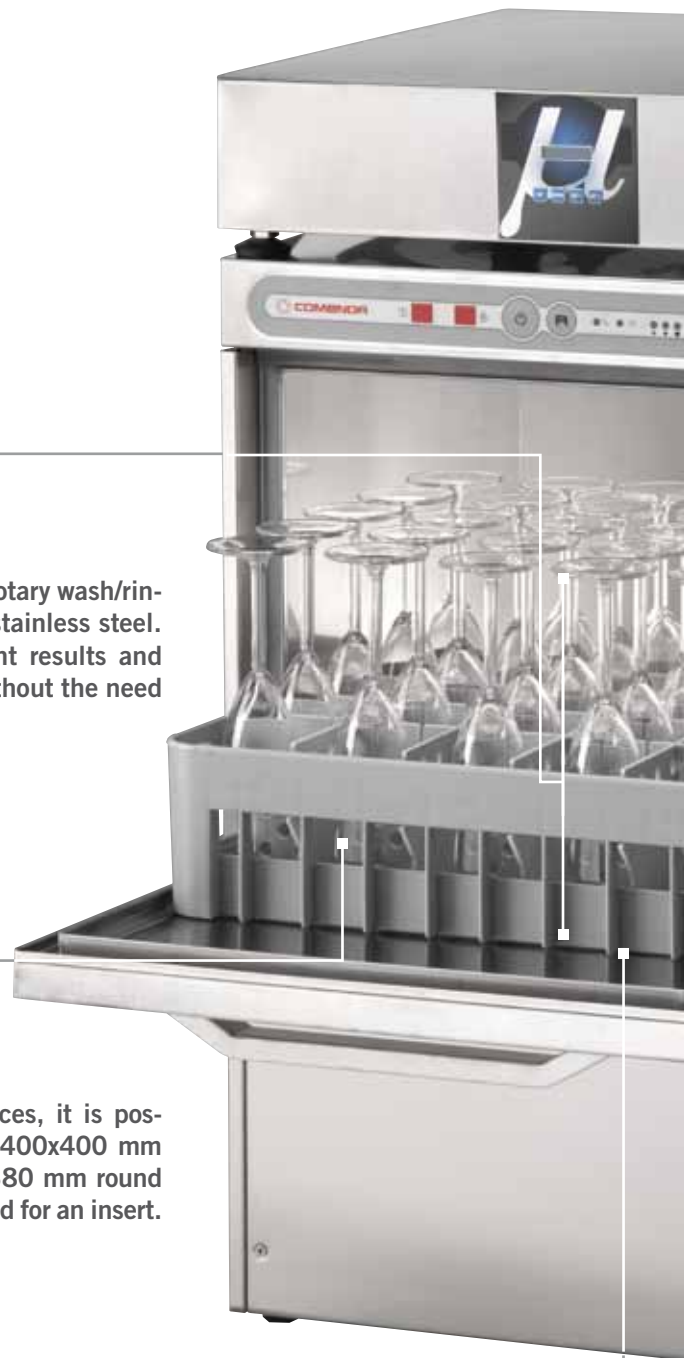
RACK GUIDES

In special circumstances, it is possible to use both the 400x400 mm square rack and the 380 mm round basket without the need for an insert.



TANK FILTERS AND OVERFLOW SYSTEM

A single easy-access system combines an overflow, pump microfilter and solid particle filter, making daily cleaning extremely easy.





REVERSE OSMOSIS SYSTEM

If the machine is provided with an RCD, it can be connected to a reverse osmosis module to get extra-bright glasses and cutlery.



CONTROL PANEL

The control panel is equipped with a user-friendly interface with an illuminated button that shows the machine status: RED heating, GREEN standby, BLUE washing, YELLOW alarm.



LOADING HEIGHT

These machines are available with two different loading heights: 235mm and 270mm for washing large glasses and breakfast crockery and cutlery.



DOOR

The door has an easy-grip handle and is counter-balanced with springs outside the wash chamber. There is also an intermediate stop position to allow the air to circulate.



Places of use



• Patisseries



• Pubs and cafés



• Restaurants



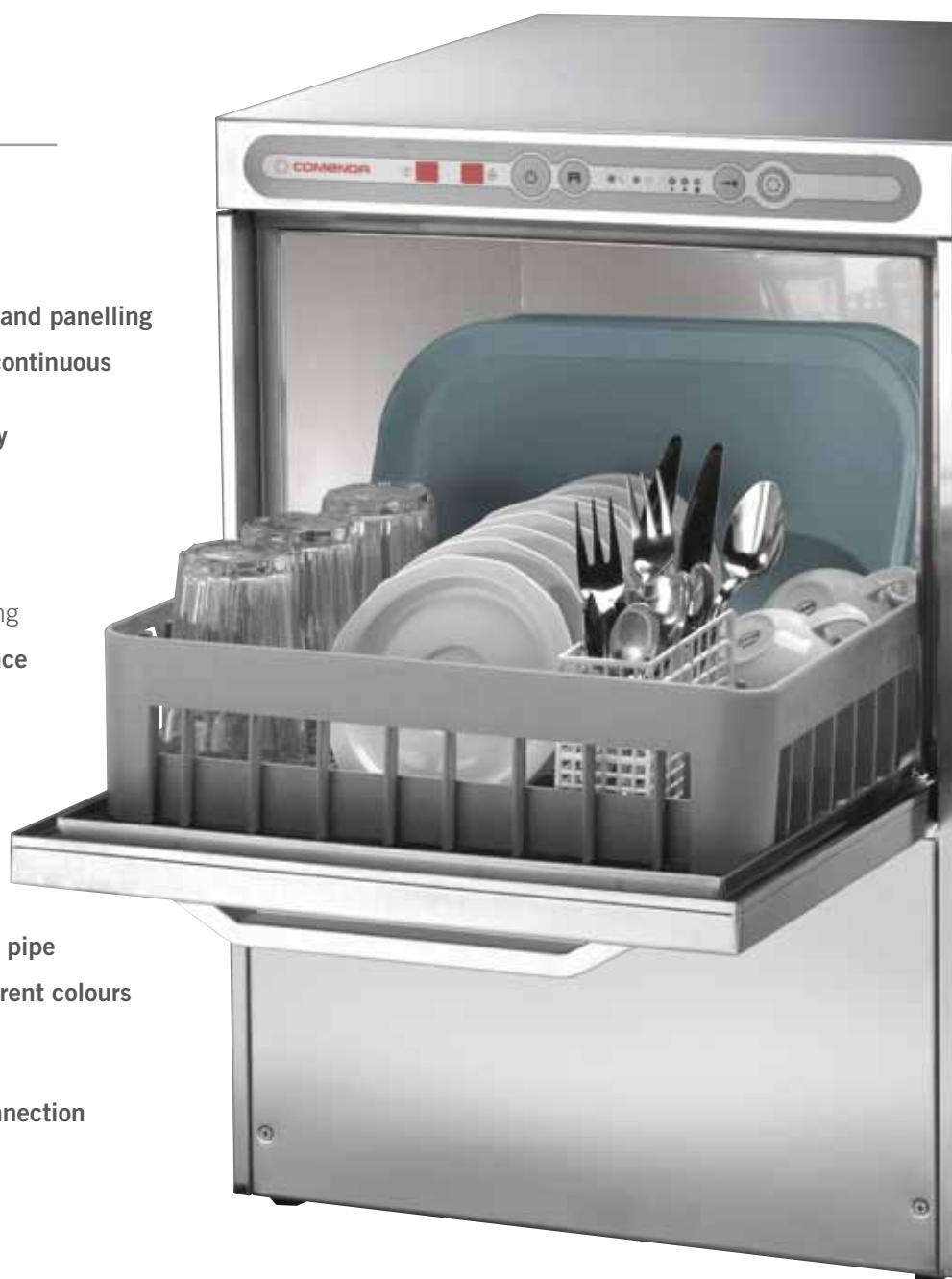
• Hotels



• Hospitals

TECHNICAL DETAILS

- **AISI 304 stainless steel frame, tank and panelling**
- **Stainless steel pump microfilter for continuous wash water filtration and cleaning**
- **Stainless steel upper and lower rotary wash/rinse arms**
- **Soft start of the wash pump** to protect delicate items
- **Top gasket providing** perfect door seal and cushioned closing
- **Easy-to-remove panels for maintenance**
- **Push-button or automatic cycle start** when the door closes
- **Digital temperature display**
- **End-of-day self cleaning cycle**
- **Wash cycle extension** when the rinse temperature does not reach 85°C
- **Non-return valve on the water supply pipe**
- **Multi-function start button with different colours** (machine on, standby, running)
- **Built-in rinse aid dispenser**
- **Provision for detergent dispenser connection**



< Detailed **description**

State-of-the-art TECHNOLOGIES

HPS CONNECT

A remote diagnosis system, complementary to the HAC control panel, enables the machine in the event of a malfunction to send the service engineer a coded text message automatically and in real time. The HAC board can also be used, via the RS232 port, to download to a PC or print out all the wash cycle data, including any alarms, using HACCP protocol.



HAC control panel

Latest-generation HR machines come with an incorporated HAC electronic circuit board enabling the user to customise the wash cycle. The wash, pause and rinse times can all be adapted to suit the user's requirements. The built-in self-diagnosis programme allows prompt identification and analysis of any malfunctions.

Perfect hygiene



RCD

Comenda has designed the RCD (Rinse Control Device) to tackle the specific problem of fluctuations in mains water pressure, which prevents good results. This advanced system uses a pressure booster pump connected after an atmospheric heater, making the machine independent of changes in water pressure. This guarantees a constant and precise consumption of water and detergents, allowing significant energy and money saving.

Glasses ready for use



Cold rinse cycle

The optional cold rinse cycle makes the BCE a perfect machine in places such as pubs, wine bars and ice-cream parlours, which serve their products cold. This cycle, which follows the 85°C rinse, cools glasses and bowls down quickly, so they can be put straight back into use, without having to wait until they reach a suitable temperature.

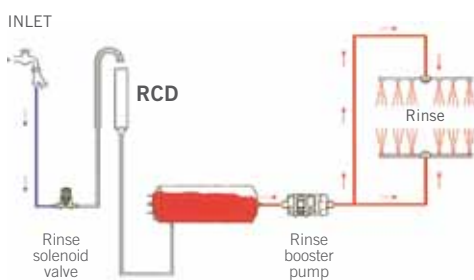
Optimal brightness



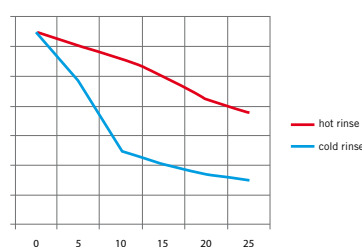
AQUA+1

The AQUA+1 reverse osmosis system eliminates virtually all impurities from the water before it is used, giving glasses and cutlery that are spotlessly clean.

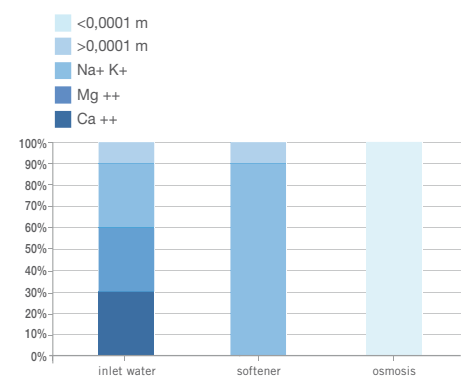
AQUA+1 operates in two stages: first the water passes through a 5-micron activated carbon filter, then the principle of reverse osmosis forces the water at high pressure through a semi-permeable membrane. The use of softened cold water and regular inspections guarantee consistently efficient operation for a long time.



Rinse cycle with RCD



Graphic cold rinse



Graphic dissolved substances in water

Technical info

BCE SERIES	BC2E BC2EA	BC2E RCD	BC3E BC3EA	BC3E RCD	BC33E BC33EA	BC33E RCD	BC33EHR
wash cycle (secs.)	90-120-180-480	90-120-180-480	90-120-180-480	90-120-180-480	90-120-180-480	90-120-180-480	90-150-180-480
theoretical* max. output racks/h	40	40	40	40	40	40	30
EXTERNAL DIMENSIONS							
width (mm)	480	480	480	480	480	480	480
height (mm)	650	650	700	700	700	700	700
depth (mm)	540	540	540	540	540	540	540
OTHER DIMENSIONS							
rack dimensions (mm)	400x400	400x400	400x400	400x400	400x400	400x400	400x400
clearance (mm)	235	235	270	270	270	270	270
drain height (mm)	55	55	55	55	55	55	55
tank capacity (L)	12	12	12	12	12	12	5
rinse water consumption (L)	2,2	1,8	2,2	1,8	2,2	1,8	5
weight (kg)	33/40	40	37/41	41	37/41	41	43
POWER ELECTRICAL							
wash pump (kW)	0,37	0,37	0,37	0,37	0,37	0,37	0,37
tank heater (kW)	2	2	2	2	2	2	0,5
boiler heater (kW)	3,2	3,2	3,2	3,2	5	5	5
installed power (kW)	3,3	3,3	3,3	3,3	2,8 / 5,3	2,8 / 5,3	2,8 / 5,3
supply (V)	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	multipower	multipower	multipower
OPTIONAL AND DEATILED							
RCD	no	yes	no	yes	no	yes	no
cold rinse cycle	yes	yes	yes	yes	yes	yes	yes
built in water treatment	water softener	osmosis (optional)	water softener	osmosis (optional)	water softener	osmosis (optional)	-
sanitising system	yes	no	yes	no	yes	no	yes
rinse aid dispenser	yes	yes	yes	yes	yes	yes	yes
detergent dispenser	optional	optional	optional	optional	optional	optional	yes
drain pump	optional	optional	optional	optional	optional	optional	yes

* In the case of consecutive washing, might increase the duration of the cycle to ensure proper rinse temperature.

A= Built-in water softener

Technical variations reserved



ECO2: THE WINNING FORMULA FOR ENERGY SAVING

Comenda's philosophy is symbolised by a green petal representing the company's commitment to research and the application of high-tech formulas combining top performance and energy saving. ECO2 is the flagship of Comenda production – eco-friendly solutions guaranteeing optimal results and a healthy work environment. This “green” philosophy also inspires the vast BCE range of washing systems, which suit a variety of different needs and always perform brilliantly at very reasonable cost, thanks to the reduced use of water and detergent. Power saving is guaranteed not only when the machine is on standby but also during the wash and rinse cycles thanks to switching resistances that reduce installed power to a minimum.

Comenda have obtained the UNI EN ISO 14001:2004 environmental certification, tangible proof of the company's awareness of ecological issues.



TECHNICAL ASSISTANCE AT THE CLICK OF A MOUSE

In line with our corporate mission, we not only make excellent products, we also offer a comprehensive technical service. As well as a capillary network of service engineers all over the world, we provide an easy-to-use online tool to support our customers in real time.

Our website www.comenda.eu contains a section where today's 700+ users can request advice, request assistance and order spare parts.

Each of our authorised service centres can access this password-controlled area and consult or download the user manual and the wiring, plumbing and layout diagrams. They also have direct access to exploded drawings and can send fully-compiled customer orders to the local spare parts provider.

