

Convotherm 4 easyDial Combi Steamer

C4ESD12.20C ELECTRIC DIRECT STEAM 24 x 1/1GN or 12 x 2/1GN

- Direct steam system
- ACS+ (Advanced Closed System +) operating modes: Steam, Combi-steam, Convection
- ACS+ Extra Functions:
 - Crisp&Tasty - 5 moisture-removal settings
 - BakePro – 5 levels of traditional baking
 - HumidityPro - 5 humidity settings
 - Controllable fan – 5 speed settings
- easyDial: all functions can be set on one operating level
- ConvoClean fully automatic cleaning system
- HygienicCare
- USB port integrated in the control panel
- TriColor indicator ring - indicates the current operating status
- Steam generated by injecting water into the cooking chamber
- Right-hinged appliance door



Standard Features

- ACS+ operating modes:
 - Steam (30-130°C) with guaranteed steam saturation
 - Combi-steam (30-250°C) with automatic humidity adjustment
 - Convection (30-250°C) with optimised heat transfer
- HygienicCare: safety through antibacterial surfaces
 - easyDial control panel
 - Door handle and recoil hand shower
- easyDial user interface:
 - Central control unit, Convotherm Dial (C-Dial)
 - Digital display
 - Regenerating function - regenerates products to their peak level
 - 99 cooking profiles containing up to 9 steps
- Multi-point core temperature sensor
- Door handle with safety latch
- Built-in preheat bridge
- RS232 and RS485 interface
- Data storage for HACCP figures
- Preheat and Cool down function
- ConvoClean fully automatic cleaning system, including optional single-measure dispensing

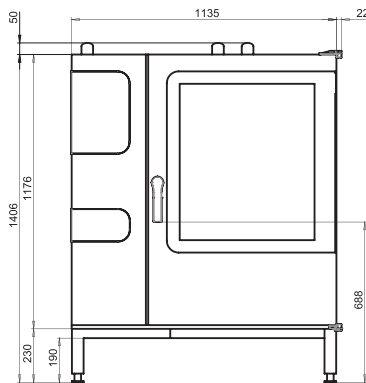
Options

- Steam and vapour removal (built-in condensation hood)
- Grill model with grease collection
- Marine model
- Ethernet / LAN interface
- Available in various voltages
- Sous-vide sensor, with external socket
- Core temperature sensor, with external socket

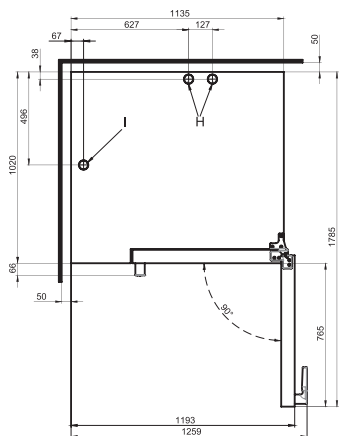
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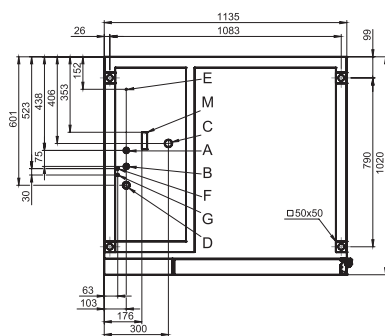
Front view



View from above with wall clearances



Connection positions in appliance floor



- A** Water connection (for water injection)
- B** Water connection (for cleaning, recoil hand shower)
- C** Drain connection DN 50
- D** Electrical connection
- E** Equipotential bonding
- F** Rinse aid connection
- G** Cleaning agent connection
- H** Air vent Ø 50 mm
- I** Ventilation port Ø 50 mm
- M** Safety overflow 80 mm x 25 mm

DIMENSIONS

Width	1135 mm
Depth	1020 mm
Height	1406 mm
Weight	235kg

PACKED DIMENSIONS

Width	1410 mm
Depth	1170 mm
Height	1615 mm
Weight (including cleaning system)	280 kg

Safety clearances*

Rear	50 mm
Right	50 mm
Left (larger recommended for servicing)	50 mm
Top (for ventilation)	500 mm

*Heat sources must lie at a minimum distance of 500 mm from the appliance.

INSTALLATION REQUIREMENTS

For precise installation instructions please refer to the units installation manual

LOADING CAPACITY

Max. number of food containers	
Shelf distance	68mm
GN 1/1 (with standard loading trolley)	24
GN 2/1 (with standard loading trolley)	12
Max. loading weight GN 1/1 / 600 x 400	
Per combi steamer	120 kg
Per shelf	15 kg

ELECTRICAL SUPPLY

3N~ 400V 50/60Hz (3P+N+E)	
Rated power consumption	33.7 kW
Rated current	48.7 A
Fuse	50 A
RCD (GFCI), frequency converter	Type A
(singlephase)	(recommended), type B/F (optional)

Special voltage options available on request.
Connection to an energy optimisation system as standard.

WATER CONNECTION

Water supply
2 x G 3/4" permanent connection, optionally including connecting pipe (min. DN13 / 1/2")

Flow pressure 150 - 600 kPa (1.5 - 6 bar)

Appliance drain
Drain version Permanent connection (recommended) or funnel waste trap
Type DN50 (min. internal Ø: 46 mm)

Slope for waste-water pipe min. 3.5% (2°)

WATER QUALITY

Drinking water
(install water treatment system if necessary)

Treated tap water for water injection
Untreated tap water for cleaning, recoil hand shower

Total hardness
Injection (soft water) 4-7 °dh / 70-125 ppm / 7-13 °TH / 5-9 °e
Cleaning, recoil hand shower (hard water) 4-20 °dh / 70-360 ppm / 7-35 °TH / 5-25 °e

Properties
pH 6.5 - 8.5
Cl⁻ (chloride) max. 60 mg/l
Cl₂ (free chlorine) max. 0.2 mg/l
SO₄²⁻ (sulphate) max. 150 mg/l
Fe (iron) max. 0.1 mg/l
Temperature max. 40°C
Electrical conductivity min. 20 µS/cm

EMISSIONS

Heat output
Latent heat 6900 kJ/h / 1.92 kW
Sensible heat 7800 kJ/h / 2.17 kW
Waste water temperature max. 80 °C
Noise during operation max. 70 dBA



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