

Project _____
Item _____
Quantity _____
FCSI section _____
Approval _____
Date _____

Combi oven

OES 10.10 mini

Convotherm mini
Standard

- 10.10
- 10 shelves
- 13" x 18"
- Electric
- Injection/Spritzer
- Right-hinged door



Key features

- 4 operating modes: Steam, combi steam, convection, retherm
- Extra functions:
 - Crisp&Tasty – 3 moisture-removal settings
 - Reduced fan speed and auto reverse mode
- Control – digital tilt selector switch for easy temperature, time and core temperature settings
- ConvoClean system, fully automatic cleaning system (cleaning levels 1 to 4, CareStep) and Safe Cool Down function before cleaning
- Steam generated by injecting water into the oven cavity (without steam boiler)
- Right-hinged appliance door and sure-shut function
- Safety door latch (with sure-shut function and venting position)
- UL listed ventless (KNLZ) no hood required, local codes prevail

Standard features

- Operating modes:
 - Steam (86-248°F) with guaranteed steam saturation
 - Combi-steam (212-482°F) with automatic moisture adjustment
 - Hot air (86-482°F) with optimized heat transfer
 - Retherm function

Standard features

- Standard user interface
 - Press&Go – with quick access buttons
 - Digital display
 - Program list for saving custom cooking profiles
- Multi-point core temperature probe
- Robust rotary door lever with safety lock and sure-shut function
- Preheat and cool down function
- Flexible shelf spacing
- Steam reducer

Commercial combination oven with integral systems for limiting the emissions of grease-laden air. This product conforms to the ventless operation recommendations set forth by NFPA96 using the EPA202 test method.



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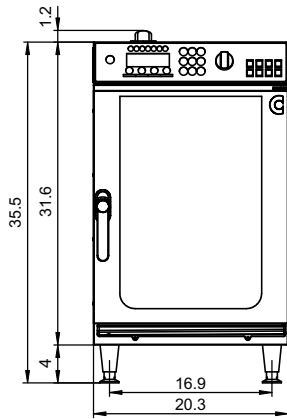
Options

- Matte-black-on-stainless-steel exterior
- Unit door with left-hand hinge
- Various voltages (single-phase on request)
- Fully automatic ConvoClean cleaning system can be deselected

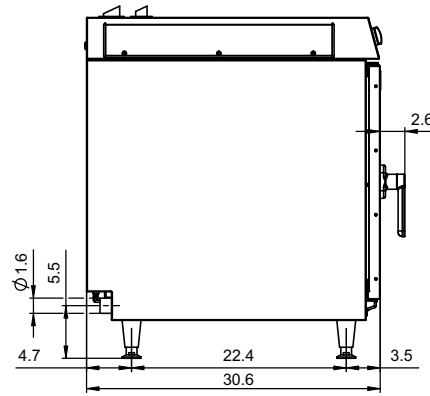
Accessories

- Spray head with continuously adjustable flow regulation
- ConvoLink – HACCP and cooking-profile management PC software
- Mini condensation hood pro
- Equipment stands in various sizes and designs
- Stacking stands
- Care products
- Pans
- Trays
- Racks
- Baskets
- Grilling accessories

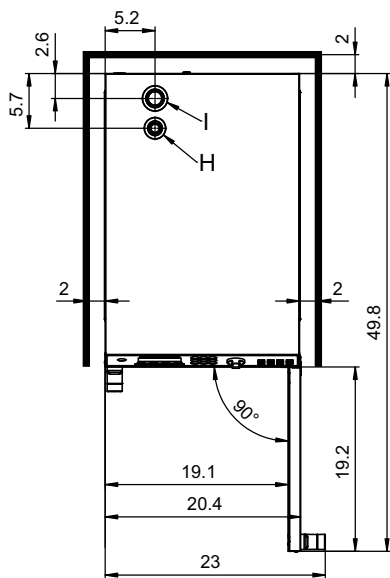
Front view



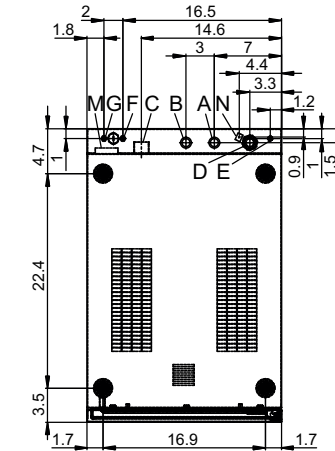
Side view



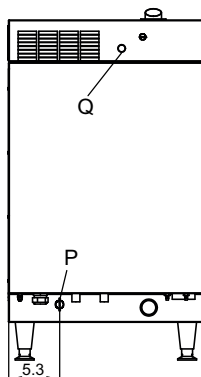
View from above with wall clearances



Connection points, bottom of unit



Rear view



- A Water connection (soft water (filtered), for water injection)
- B Water connection (cold water (unfiltered), for cleaning)
- C Drain connection 1.5"
- D Electrical connection
- E Grounding
- F Rinse-aid connection
- G Cleaning-agent connection
- H Air vent \varnothing 1.18"
- I Dry air intake \varnothing 1.69"
- M Safety overflow 2.36" x 0.79"
- N Ethernet connection RJ45
- P Condensation hood accessory CH Pro - optional
- Q Thermal cutout reset

Dimensions and weights

Dimensions including packaging	
Width x height x depth	22.8 x 47.0 x 35.8 "
Weight	
Empty weight without packaging	154 lbs
Packaging weight	29 lbs
Safety clearances*	
Rear	2.0 "
Right-hand side	2.0 "
Left-hand side (larger gap recommended for servicing)	2.0 "
Top**	20.0 "

* Minimum clearance to heat sources, 20".

** Depends on the type of exhaust system and the ceiling's characteristics.

Loading capacity

Max. number of food containers	
[Unit has 5 sliding rails; rail spacing 2.68" max.]	
13" x 18" half size sheet pans	10
12" x 20" by 2 1/2" steam table pans	6
12" x 20" wire fry baskets	6
Plates, max Ø 11"	12
2/3 US hotel pan	5
Max. loading weight	
Per combi oven	66 lbs
Per shelf level	11 lbs

Electrical supply

3~ 208V/240V 60Hz (3/PE)	(for 208V)
Rated power consumption	8.50 kW
Hot air power	10.2 kW @ 230V
Motor output	0.25 kW
Rated current	23.6 A
Supplied with a 4 conductor 6 foot long cord	AWG 10
Recommended supply connection: ground wire	AWG 10
Conductor insulation rating	SOOW*
Permissible connectors	15-30P or L15-30P 15-50P or L15-50P
Ground fault circuit interrupter (GFCI)	according to UL 943 NEC NFPA70

3~ 208/240V 60Hz (3/PE)	(for 240V)
Rated power consumption	11.25 kW
Hot air power	10.2 kW @ 230V
Motor output	0.25 kW
Rated current	27.1 A
Supplied with a 4 conductor 6 foot long cord	AWG 8
Recommended supply connection: ground wire	AWG 8
Conductor insulation rating	SOOW*
Permissible connectors	15-30P or L15-30P 15-50P or L15-50P
Ground fault circuit interrupter (GFCI)	according to UL 943 NEC NFPA70

* SO, SOO, STO, STOO, SEO, SJO, SJOO, SJTO, SJTOO, SJE, HSO, HSOO, HSJO, or HSJOO with or without suffix W

Water connection

Water supply	
Shut-off device	The unit may need to be installed with an appropriate backflow preventer in order to comply with all applicable federal, state, and local laws and regulations.
Water supply	Two 3/4" inner diameter GHT-M (garden hose adapter). The unit is designed for a fixed connection to the water supply using a connecting hose with a minimum inner diameter of 1/2"
Flow pressure, without ConvoClean system	29 - 87 psi (2 - 6 bar)
Flow pressure, with ConvoClean system	43.5 - 87 psi (3 - 6 bar)
Unit drain	
Version	Naturally ventilated pipe to open pan or drain/channel, min. 1" ventilation clearance
Type	Depending on the length of the line and the elements used in the line, the minimum inner diameter of the line is 1½" or 2"

Water quality

Water connection A* for water injection	
General requirements	Drinking water, typically soft water (install a water treatment system if necessary)
TDS	70 - 125 ppm
Hardness	70 - 125 ppm (4-7 gpg)
Water connection B* for cleaning	
General requirements	Drinking water, typically untreated water
TDS	70 - 360 ppm
Hardness	70 - 360 ppm (4-21 gpg)
Water connections A, B*	
pH value	6.5 - 8.5
Cl ⁻ (chloride)	max. 60 ppm
Cl ₂ (free chlorine)	max. 0.2 ppm
SO ₄ ²⁻ (sulfate)	max. 150 ppm
Fe (iron)	max. 0.1 ppm
SiO ₂ (silica)	max. 13 ppm
NH ₂ Cl (monochloramine)	max. 0.2 ppm
Temperature	max. 104 °F / max. 40 °C

* Please refer to the connection points diagram, p. 3.

NOTICE: The owner/operator/purchaser must ensure that the water quality requirements are met. Otherwise the unit warranty is void.

Water consumption

Water connection A*	
Ø water consumption during cooking	0 - 4.0 gph
Max. water throughput	0.13 gpm
Water connections A, B with ConvoClean system	
Ø water consumption during cooking**	0 - 5.3 gph
Max. water throughput	2.6 gpm

* Values intended as guide for specifying the water treatment system.

** Incl. water required for cooling the wastewater.

NOTICE: See connection positions diagram, p. 3.

Emissions

Dissipated heat*	
Latent	1740 BTU/h
Sensible	1911 BTU/h
Drain temperature	140 °F
Decibel rating	max. 60 dBA

ACCESSORIES

(For more detailed information, please refer to the Accessories brochure.)

Condensation hood accessory CH Pro

Electrical supply*	
Rated voltage	208/240V 1PH 60Hz
Rated power consumption	215 W
Power supply wire gauge	AWG 16
Plug (preinstalled)	NEMA 6-15P
Dimensions without packaging	
Width x height x depth	20.5 x 9.3 x 33.7 "
Weight without packaging	68 lbs
Top safety clearance**	20 "

* Mains electrical supply required at customer's site

Please note:

- This document is to serve planning purposes only.
- Please refer to the Installation manual for further technical data and for instructions on installation and setup.