Safety instructions

**WARNING**

Wrong installation, service, maintenance or cleaning as well as unauthorized changes on the unit can cause damages, injuries or even death. Read the installation manual carefully before installing the unit. This unit may only be used for preparing food in commercial kitchens. Every other usage is against definition and therefore dangerous.

**WARNING**

Only gas units
Waste gases!
- If the unit is installed underneath an extraction hood, it must be made sure that the hood is switched on during operation of the unit

Fire hazard!
- If the gas unit is connected to a chimney, it must be made sure that the exhaust line will be cleaned on a regular basis subject to local regulations (For this purpose also contact the installer)
- Don’t put any material on the exhaust pipes of the unit
- The area underneath the unit may not be blocked or closed by any material
- The unit may only be operated in a calm environment

**DANGER**

Danger of explosion
Safety measures in case of smell of gas:
- Immediately close the gas supply.
- Don’t touch any electrical switching element
- Ventilation of the room.
- Avoid open flame or sparks
- Use an external telephone and inform your local gas authority (in case the local gas authority can not be reached inform the operation centre of the fire brigade).

**FOR YOUR SAFETY**

Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance

**WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.
Explanations of the icon's

⚠️ **Danger!**
Immediate dangerous situation, that can endanger and cause severe injury or death

⚠️ **Warning!**
Possibly dangerous situation, that possibly can endanger and cause severe injury or death.

⚠️ **Attention!**
Possibly dangerous situation, that can endanger and cause minor injury.

⚠️ **Fire hazard!**

⚠️ **Danger of burning!**

⚠️ **Corrosive substances**

⚠️ **Attention!**
Not following the instruction can cause material damages.

⚠️ **Tips and tricks for installation**

⚠️ **Danger!**
High voltage. Caution danger of life. Not following the instruction can endanger and cause severe injury or death.

---

**Models / unit sizes:**

- 6x1/1 = SCC WE/CMP 61 G/E
- 6x2/1 = SCC WE/CMP 62 G/E
- 10x1/1 = SCC WE/CMP 101 G/E
- 10x2/1 = SCC WE/CMP 102 G/E
- 20x1/1 = SCC WE/CMP 201 G/E
- 20x2/1 = SCC WE/CMP 202 G/E
Dear customer

The warranty excludes glass damage, light bulbs and gasket as well as damage caused by improper use, installation, maintenance, repair or descaling

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We reserve the right to make technical changes in the interest of progress!

Safety stickers „Max. rack height for containers with liquid“ are in the Starter Kit. After installation of the unit, this sticker has to be fixed to the unit in a height of 63”/1600mm (see examples)

WARNING

Risk of scalding!
To avoid scalding, do not use loaded containers with liquids or cooking goods which becomes fluid by heating in higher levels than those which can easily be monitored. (DIN: IEC 60335-2-42)
Installation instructions / Changing air filter

Attention:
Follow the local standards and valid instructions. Damages based on installation not complying with the directives given hereunder are not covered by warranty terms.

The required connections (water, drain, electric and gas) as well as maintenance and servicing may only be carried out by trained/qualified personal in accordance with the local regulations.

Liability
Installation and repair works, not carried out by qualified personnel or not using original spare parts, as well as every technical change on the unit which were not authorised by the manufacturer will lead to an expiration of the warranty and the liability of the manufacturer.

The conformity of the unit references to the complete appliance at the time of shipment.
In case function extension and/or connection of additional functions are made the user is responsible for an extended conformity.

Check for any transport damage.
Should there be any signs of transport damage, inform your dealer/freight forwarder immediately! Remove all cartons, packing materials, documents, etc. from the exterior AND interior cabinet.

Cleaning of the unit body after installation:
With the cleaning cloth, attached to the door handle, the body of the unit can be cleaned.
As the cleaning cloth is soaked with cleaning agent it must not be used for cleaning of the door glass pane and the operator surface (also follow the hint on the packaging of the cleaning cloth).

Discarding of old units.
At the end of its service life, the unit must not be disposed of with the general waste and must not be placed in the recycling containers at local authority collection points.
We will be happy to help you with the disposal of your unit.

Changing air filter
In case the unit detects a contaminated air filter, a message is shown that prompts the operator to change the filter. When changing the filter the following procedure has to be observed:

Units 6x1/1GN, 6x2/1GN, 10x1/1GN and 10x2/1GN
Air filter article number: 40.03.461
The filter may be changed by the operator. The operator is responsible that the new filter is set in place correctly and that it is not allowed to run the unit without filter. For changing the filter follow the instruction in the operator manual.

Units 20x1/1GN and 20x2/1GN
The filter may only be changed by qualified technical personal
Attention, the hose/water protection of 20x1/1GN and 20x2/1GN units is only ensured with a correctly installed air filter and protective cover.
**First time commissioning**

When commissioning your new unit for the first time, you will be asked to start an automatic self test. The duration of the self test is approximately 45 minutes and is necessary to adapt the unit to the specific environmental conditions.

- Remove packing material from the interior cabinet. Check air baffle and racks for correct positioning and fixing.
- Units 6X1/1, 10X1/1, 6X2/1 and 10X2/1 put a GN container (e.g. 7/8”/20 mm deep) upside down into the center rail of the racks.
- Units 20X1/1 respec. 20X2/1 two GN containers have to be put into the mobile trolley of the unit. One container each upside down to the center in front of each fan wheel.
- Cabinet door must not be opened during the complete self test.

---

**CAUTION**

Fire hazard!
Remove packing material, starter kit as well as containers and grids from interior cabinet.

---

- **Start**
  - 45:00
  - 44:59
  - Close cabinet door
  - Press Start-key, Self test is running, remaining running time is shown
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<td>Schematic drawing 10x1/1 GN Gas</td>
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<td>Schematic drawing 20x2/1 GN Gas</td>
<td>41</td>
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</tbody>
</table>
Transport of units

Transport of units using a pallet  pic. 1,2

Transport of units without a pallet, 20x1/1 GN and 20x2/1 GN units only. Put a piece of wood between pallet jack and left guide rail of the trolley pic. 3,4

**CAUTION**

Unit can tilt
Danger of injury
Make sure that the unit is secured against tilting, when transporting it.

Remove all containers/mobile oven racks from the cabinet. For floor model, remove corner mountings from the pallet. Carefully take unit off the pallet (do not twist unit frame).

**CAUTION**

Observe the weight of the units.
Danger of injury
Use carrying aid to avoid injuries.
Wear safety boots.

Weight see technical data on page 23

Observe door height pic. 5

X= Required door width when transporting units without pallet:

- 6x1/1 GN: 33 1/8” (840 mm)
- 6x2/1 GN: 41” (1040 mm)
- 10x1/1 GN: 33 1/8” (840 mm)
- 10x2/1 GN: 41” (1040 mm)
- 20x1/1 GN: 36 1/4” (920 mm)
- 20x2/1 GN: 45” (1140 mm)
Minimum clearance left/ right/ rear 2” (50 mm) (except floor models). If on castered stand with flexible connections, that allow unit to be moved forward while still connected to gas/ele. water

On floor models (20x1/1 GN and 20x2/1 GN) there must be a minimum clearance of approx 20” (500 mm) on the left side of the unit, for installing the power cable.

Minimum clearance when there are heat sources on the left-hand side is 14” (350 mm).

Heat shield see page 24

Attention:
A safety shut down can occur if the ambient temperature on the left hand side of the unit is too high.

We recommend a distance of 20” (500 mm) on the left hand side of the unit for carrying out maintenance work.

Attention:
- Do not install deep fat fryer at the rear/left side of the unit.
- The units must only be installed in frost-free rooms.
- Should it not be possible to direct the exhaust air of the exhaust pipe into a ventilated ceiling or an exhaust hood an open space of 20” (500 mm) above the unit is required. This space is sufficient for installing a condensation breaker that can direct the exhaust air to an uncritical area. (Condensation breaker see page 26)
Because of safety reasons table units shall only be installed on original stands of the manufacturer. In this case the maximum rack height is 1600 mm (63")

If Gas units are installed on a table or on the kitchen floor (combi duo) then:

a) press the retaining plates (ET-No.: 12.00.519) into the lower part of the pedestal and fasten with the enclosed nuts.

b) the plate must be fitted to the surface using either screws and dowels or studs and nuts or the special adhesive. plates are not included in the scope of supply

Attention: The center height of the drain pipe is 3 1/2" (88 mm). When installing combi duo observe the drain height of the bottom unit.

Stands of gas appliances must be fixed to the floor using the fixing set part no.: 8700.0317 either with screws and dowels, or with the special adhesive supplied unless unit is connected using AGA/CGA approved flexible connections. Fixing set is not included in the scope of supply

Slide the stand into the fixing brackets and level it.

Place the unit on the stand. The feet of the unit must be secured by means of the locating pins of the stand

Ensure that the unit is level

Attention: When Installing a Combi Duo observe the height of the drain pipe
Attention:
Electric or gas units
If the unit is mounted on a mobile stand or base cabinet, the unit must be additionally secured against slipping by a chain or cable in order to prevent damage to the electricity, water or gas supply line

pic. 1
Installation Type 20x1/1 GN, 20x2/1 GN

1. Ensure that the unit is level

2. Fix the floor locks, of the supplied fixing set, to the floor with either screws and pins or with the special adhesive.

3. Next slide the unit into the floor locks

4. The mobile oven rack must be level when standing inside the unit

Attention: Observe height of the drain pipe

Option:
Using leg extension for more space underneath unit. Install height extension for mobile oven rack see page 25

For a safe storing of the trolley handle, during cooking, an angle bracket is delivered with the unit. This angle bracket has to be mounted to the left side panel of the unit. For mounting remove the left side panel and slide the angle bracket on the top edge of the panel to the middle. Now the handle can be stored at the unit
If the floor is not level, an access ramp (not supplied) will be required. The incline must not exceed 4°.

**WARNING**

Hot cooking liquid  
Risk of scalding  
If the incline exceeds 4°, hot cooking liquid can slop out of the cooking containers

**Attention:**  
An incorrect levelled trolley can cause malfunction during operating the unit (e.g. during Cleanjet)  
Set unit legs that a height of 200 mm (7 7/8") is reached  
Valid for SCC_WE units:  
Check unit door for tightness by activating cleaning program "rinse without tabs"

**Option:**  
Access ramp see page 25

If there is a drain grill in front of the floor unit, a ramp should be placed over it to enable the mobile oven rack to be used.

**Attention:**  
Avoid steam sources in the ambient area of the air filter. Sucked in humidity can cause damages and malfunction of the unit.  
Because of hygienic reason and following the "NSF standard 4" respectively "DIN EN 203-3" all units 20x1/1 GN respectively 20x2/1 GN must be equipped with a cover over ball valve and care pump.  
Cover kit and corresponding installation instruction are delivered with the unit
Electrical connection

**Electrical units**
- Each appliance requires an independent fused power supply line (common phase circuit breaker).
- A permanent electrical connection must be provided for the units.
- All units are delivered without power cable.
- For connection use power cord NEC UL standard.
- The main terminals are located in the electrical compartment and are accessible after removing the left side panel.

**Gas units**
- We recommend an independent fused power supply line.
- All units are equipped with a power cable with plug, approx. 8 ft (2.5 m) long. For plug type reference NEMA.
  - 5-15P 120V IP for 61/101/201
  - 6-15P 208/240V IP for 62/102/202
- Should the unit be connected via a mains plug, make sure it is accessible. Otherwise provide accessible all-pole disconnection device with a minimum of a 3 mm contact gap.
- Attention!
  - Observe polarity of the mains!
  - No burner function with wrong polarity!
- Colour coding of the power cable:
  - green = earth, white = Neutral
  - black = Phase L1

**Gas and electrical units**
- The stud for the earth bonding is located on the bottom side, underneath the control panel, of the unit. Connect the wire for the earth bonding to this stud.
Electrical connection

Attention:
Wrong connection can cause damages (e.g. fan motor)

Voltage Conversion:

208/240V units
All electric units and 62/102/202 gas units are set to 208 V ex works, but can be converted to 240 V. To convert from 208V to 240 V proceed as follows:
- Disconnect unit from mains
- Remove left side panel and open operator panel.
- Set power switch S13 to desired voltage (208 or 240 V)
- On the control transformer change connection to the desired voltage input (208 or 240 V)
- In the starter kit of the unit there is a sticker which has to be filled in after voltage conversion. After filling it in put the sticker next to the type plate

440/480 V units
Units are set to 480 V ex works, but can be converted to 440 V. To convert from 480V to 440 V proceed as follows:
- Disconnect unit from mains
- Remove left side panel and open operator panel.
- Remove adapter cable W22 from input transformer T3 and plug X72.
- Connect plug X72 to transformer T3.
- Set power input switch S 13 to 440 V

WARNING
Wrong connection can cause electric shock
Danger to life
Observe colour coding of the wires
Electrical connection

Common information
• During installation check all electrical connections especially the power terminals for tight fit.
• Follow the installation instructions and the information on the rating plate when connecting the unit.
• Comply with all local regulations and standards, which must conform to national, state and local code requirements.
• We recommend an independent fused power supply line for each appliance. Use of a common trip 2 pole or 3 pole circuit breaker or 3 pole fuse box with common trip is recommended to ensure safety.
• The appliance is equipped with a motor with an integrated frequency converter.
• Electric units 10x2/1, 20x1/1 and 20x2/1GN: The maximum electrical impedance at the mains connection point is 0.09 ohm.
• Units must be connected to an earth leakage circuit breaker. Consult with the NEC code for specific values according to KW of attached load for selection.
• Note: connection to a residential type GFI of insufficient leakage current is not advisable, random and or nuisance trips of the breaker could result.
• On-site installation: provide accessible all-pole disconnection device with a minimum of a 3 mm contact gap.
• Use copper wire only for power supply connections.
• The circuit diagram is located on the inner side of the left side panel.
• Special voltage available on request.
• See chart on page 27 for wire sizing.
• Applicable standards: NFPA 70/NEC, CSA C22.2.
• For electrical connection data, see pages 33/34.
• Before pulling out mains plug or reconnecting it again be sure the unit is switched off.

For appliance connections, precise dimensions and connection points, see pages 30 and following.

Power cable:
• The exchange of the power cable may only be carried out by the service agents, qualified electricians or similar qualified personal.

Electrical units:
• For connection use power cord NEC UL standard.
• Connect the supply as follows:
  - Grey terminal: L1, L2, L3 (non-phase-sequence-dependent)
  - Yellow/green terminal: Earth connection

Gas units:
• In case the power cable has to be exchanged make sure to use one, that matches your local standard.
  5-15P 120V IP for 61/101/201
  6-15P 208/240V IP for 62/102/202
The appliance must be connected to water with drinking water quality. We recommend a maximum water temperature of 86°F.

The appliance is to be installed with adequate back-flow protection to comply with applicable federal, state, and local plumbing codes.

Legend to water connections valid for:
- Table units
  1 = Common water supply 3/4"
  In case of split water connection
  2 = Cold water supply 3/4"
    (for quenching).
  3 = Treated water connection 3/4"
    (steam generator, moistening, cleaning, hand shower).

Legend to water connections valid for
- Floor units
  1 = Common water supply 3/4"
  In case of split water connection
  2 = Cold water supply 3/4"
    (for quenching).
  3 = Treated water connection 3/4"
    (steam generator, moistening, cleaning, hand shower).

For pic. 1 and pic. 2 reference items 1, 2 and 3 units are provided with inch thread to garden hose thread adapters (2 pieces) in starter kit.

The appliance must be connected to the facility water supply with a supply hose that conforms to EN 61770 resp. IEC 61770 or of similar quality.

The water supply hose must fulfil the local and/or hygiene requirements for hoses in drinking water systems for the respective area or municipality.

For water connection only new supply hoses may be used. Old supply hoses must not be reused.

- Install individual shut-off valve for each appliance
- Rinse the water supply line prior to connection to the unit!
- Connected water pressure must be in the range 21 - 87 psi, recommended 43 psi

Maximum flow rate
6x1/1, 10x 1/1: 5,2 gal/min
6x2/1, 10x2/1, 20x1/1, 20x2/1: 6,6 gal/min

For filter sizing water usage can vary depending on size and usage from 2 gal/h to 16 gal/h
Note:
The manufacturer recommends especially on model Combi Master® Plus a preventive check of your equipment 6 months after installation to determine actual scale build up. This should be done by a trained technician.

- Water treatment:
- Treated water with a water hardness less than 5 gr/gal must not be supplied, because such water can react aggressive and corrosive which can reduce the life cycle of the unit.

Connecting SelfCookingCenter® 5Senses to water with hardness less than 7.3 gr/gal:
When starting the self test (refer to page 6) the customer can choose between two different levels of water hardness. In this case select "water with hardness less than 7.3 gr/gal":

In most cases it is not necessary to install a filter or water treatment for water supply. The integrated SC-automatic changes the water in the steam generator at regular intervals automatically. However under certain water conditions different filter applications (A, B, C, D) might be necessary. Please consult your local water supply provider for advise on chlorine (Cl2), chloride (Cl-) and hardness of the water.

A) Particle filter
When the water contains sand, iron particles or suspended matter, we recommend a 5-15 µm (micro meter) particle filter:

B) Active carbon filter
When the level of chlorine (Cl2) in the water exceeds 0.012 gr/gal (=0.2 ppm) (information available from the water company), an active carbon filter should be installed.
**Selection of water filter**

**C) Complete De-Ionization**

When the water has a chloride Cl- concentration above 4.68 gr/gal (= 80 ppm), a complete deionization system should be installed to avoid corrosion.

Note: Make sure a remaining conductivity of 50 µS/cm (micro Siemens) remains in the water.

**Filter capacity:**

Average treated water consumption is as follows (values excluding usage of hand shower):

<table>
<thead>
<tr>
<th>Flow Rate</th>
<th>gal/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>6x1/1</td>
<td>0.8</td>
</tr>
<tr>
<td>6x2/1</td>
<td>2.2</td>
</tr>
<tr>
<td>10x1/1</td>
<td>1.7</td>
</tr>
<tr>
<td>10x2/1</td>
<td>2.9</td>
</tr>
<tr>
<td>20x1/1</td>
<td>3.5</td>
</tr>
<tr>
<td>20x2/1</td>
<td>4.2</td>
</tr>
</tbody>
</table>

Maximum flow rate: 4.3 gal/min

**D) Water softener:**

Valid for SelfCookingCenter® 5Senses:

These models will remove scale all by itself providing that the units are used as prescribed. These means a water softener is not needed.

Valid for Combi Master® Plus:

A water softener is recommended when a high level of scale (not containing chloride) is experienced (above 9.5 gr/gal) Systems recommended:

- H+ Ion Exchanger or Kleensteam. Sodium ion exchangers (as used in dishwashers) must not be used.
- As a phosphate dosing system can have negative influence to the water system it must also not be used.
- Treated water with a water hardness less than 5 gr/gal must not be supplied, because such water can react aggressive and corrosive which can reduce the life cycle of the unit.

Amongst others the following filter manufacturers offer adequate filter applications:

- Brita (mavea), Cuno, Everpure, Selecto-Scientific

**Important for treated water connection:**

- Split the water supply to standard and treated water connection for each unit to extend filter capacity!
- Remove T-connection at water inlet
- See pic. 1/2 on page 16
- Connect treated water to inlet position “2”
- Connect treated water to inlet position “3”

---

**Important for treated water connection:**

- Water supply hose / pipe size 1/2” minimum
- Connection to filter : 3/4”
- Should a combination of filters be installed the sequence A-B and C or D must be observed in flow direction as shown in pic. 2 page 18.
**Gas connection**

**Important!**
To ensure that the burner settings made at the factory conform with the actual installation conditions, the exhaust gas (CO, CO₂) from the steam and hot-air burners must be analysed during commissioning. The corresponding values must be documented inside the unit. If the undiluted CO values are above 1000 ppm, the burner settings must be checked and if necessary adjusted by engineers trained and certified by the company.

**WARNING**
Incorrect connection can engender fire hazard!
Danger to life
Observe local regulation

Comply with all local gas authority regulations!
Follow installation instructions!
- Check that the gas type supplied is suitable for the unit.
- The diameter of the pipe must comply with local regulations
- Inner thread of gas connection: pic. 1, 2
- Gas stop valve supplied for each unit.
- Gas connection with gas outlet socket is possible.
- All gas supply connectors must comply with local regulations.
- The unit must be secured against movement.
- Check the gas supply and gas distribution in the unit line for leakage.
- For documentation of the correct installation our installation checklist can be used.
- Flexible gas line conform to ANSI Z 223.1 / ANSI Z21.69

Attention:
- The unit is only to be connected to the gas supply by a locally approved gas installer. It is vital to ensure that the gas connection pipes as well as the connection pipes for the associated gas metering systems match the stipulated pipe widths.
- If the flow pressure deviates from the specified flow pressure (see table), inform the gas authorities. If the flow pressure of natural gas exceeds 12,04 in w. c. (30 mbar), the unit must not be switched on and the gas supply must be disconnected.
- Attention: The gas parts are designed for a maximum flow pressure of 26,09 in w. c. (65 mbar)
Flue gas connection / gas consumption

**DANGER**

Gaseous combustion product (CO and CO₂)

**Suffocation hazard**

The rooms in which these appliances are installed must be well ventilated, in order to prevent an unacceptable build-up of harmful combustion products.

For gas unit exhaust unit must be placed under an exhaust hood externally vented (observe your local regulations). Extractor hood

- The appliance must be installed on noncombustible floors only

**Room ventilation**

The rooms in which these appliances are installed must be well ventilated, in order to prevent an unacceptable build-up of harmful combustion products. We recommend to service the gas units at least once a year in accordance with the specified standards.

After maintenance or repair works the compensation hose of the gas valve has to be checked for tight fit.

After maintenance or repair works a leak test of all gas components has to be carried out.

Installation must conform to:

- CGA-B 149.1 natural gas code, CGA-B 149.2 propane gas code
- Gas connection:
  - Adapter inch thread to NPT is included in the starter kit (can be found in the cooking cabinet)

### Gas consumption

<table>
<thead>
<tr>
<th>Gas type</th>
<th>Required flow-pressure</th>
<th>Wobbe index (15°C, 1013mbar)</th>
<th>max. consumption on nominal heat load</th>
<th>gross calorific value (BTU/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Wi</td>
<td>Ws</td>
<td>6x1/1GN</td>
</tr>
<tr>
<td>Nat. gas</td>
<td>in/wc</td>
<td>MJ/m³</td>
<td>MJ/m³</td>
<td>49000</td>
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<tr>
<td>Gas “A”</td>
<td>6,5 -10,0</td>
<td>45,67</td>
<td>50,72</td>
<td>49,44</td>
</tr>
<tr>
<td>LPG</td>
<td>in/wc</td>
<td>MJ/m³</td>
<td>MJ/m³</td>
<td>48200</td>
</tr>
<tr>
<td>Gas “E”</td>
<td>10,0 -15,0</td>
<td>80,58</td>
<td>87,33</td>
<td>2,69</td>
</tr>
</tbody>
</table>

### Exhaust gas- and room volume

(All values in cu/yd)

<table>
<thead>
<tr>
<th>Unit size</th>
<th>6x1/1 GN</th>
<th>6x2/1 GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room size free ventilation</td>
<td>68</td>
<td>146,5</td>
<td>115,1</td>
<td>235,5</td>
<td>230,2</td>
<td>470,9</td>
</tr>
<tr>
<td>Room size permanent ventilation</td>
<td>34</td>
<td>73,3</td>
<td>57,6</td>
<td>117,7</td>
<td>115,1</td>
<td>235,4</td>
</tr>
<tr>
<td>Combustion air supply</td>
<td>24,9 yd³/h</td>
<td>58,9 yd³/h</td>
<td>45,8 yd³/h</td>
<td>94,2 yd³/h</td>
<td>91,6 yd³/h</td>
<td>188 yd³/h</td>
</tr>
<tr>
<td>Waste gas volume</td>
<td>49,7 yd³/h</td>
<td>141,3 yd³/h</td>
<td>102 yd³/h</td>
<td>235,4 yd³/h</td>
<td>196,2 yd³/h</td>
<td>458 yd³/h</td>
</tr>
<tr>
<td>Waste gas temperature</td>
<td>662°F</td>
<td>968°F</td>
<td>878°F</td>
<td>1094°C</td>
<td>806°F</td>
<td>968°F</td>
</tr>
</tbody>
</table>

**Free ventilation** = Combustion air supply through windows and doors

**Permanent ventilation** = Combustion air supply by two openings to the outside with a free cross section of 23 inch² (one opening near the ceiling, the other opening near the floor)
• The appliance complies with the relevant regulations (basic plumbing code BOCA)

Attention
Use pipes capable of withstanding steam temperature, don’t use hoses
• Installation kits including drain copper piping are available from Rational
• Welding of drain pipe to the units drain is not permissible (welding can cause damages to the unit)
• 2” (50 mm) pipe with constant gradient (min. 5% or 3°); do not reduce the diameter of the pipe.
• Consult local and state codes regarding drain connection. An indirect drain is recommended
RATIONAL includes an internal overflow and ventilated drain integrated in the units
• Where there is an existing floor drain without air trap, a clear outflow of 1” must be provided.
• We recommend to connect every unit to a separate drain.
• Units 6x1/1GN up to 10x2/1GN can be connected either to a wall drain or to a floor drain
• Units 20x1/1GN or 20x2/1GN can only be connected to a floor drain.

Option:
For reducing steam escape via the ventilation pipe a condensation diverter for 6x1/1GN, 6x1/1GN or 10x1/1GN units or an additional ascending pipe can be used. See page 25

Note drainage dimensions: short-term pumped discharge volume of steam generator 0,18 gal/sec. (0.7 l/sec)
• Average waste water temperature: 149°F (65 °C)
• Applicable standard: DIN 1986, Part 1
Attention: The center height drain pipe of table models is 3 1/2” (88 mm) and floor models is 2 7/8” (70 mm).

Option table models:
Using 4” (100 mm) legs for extended space underneath unit.
Height adjustable transport trolley, see page 24

Option floor models:
Using leg extension for more space underneath unit. Install height extension for mobile oven rack see page 25.
Ventilation, technical data, heat emission

Ventilation:
- Gas units must be installed under hood in accordance; electric units depends on product cooked and local and on state jurisdictions
- Comply with all local regulations and standards (NFPA 96; Gas combi or electric combi where applicable)
- The hood should project 1-1,6 ft (300-500 mm) in front of the appliance;
- An exhaust hood is available as an option for 6x1/1, 10x1/1 and 6x2/1 GN units.
- For installation of the hood, please follow the instruction of the corresponding installation manual
- In case the VarioSmoker is used in the unit, then the unit has to be installed under hood in accordance with local and on state jurisdictions

| Noise emission level: | <70dBA | Hoseproofness: | IPX5 |

Technical data:

Heat emission:

**Electrical units:**

<table>
<thead>
<tr>
<th>6x1/1 GN</th>
<th>6x2/1GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>latent:</td>
<td>2.143 kJ/h</td>
<td>4.167 kJ/h</td>
<td>3.529 kJ/h</td>
<td>6.667 kJ/h</td>
<td>7.200 kJ/h</td>
</tr>
<tr>
<td>sensible:</td>
<td>2.727 kJ/h</td>
<td>5.000 kJ/h</td>
<td>4.615 kJ/h</td>
<td>9.474 kJ/h</td>
<td>9.000 kJ/h</td>
</tr>
</tbody>
</table>

**Gas units:**

<table>
<thead>
<tr>
<th>6x1/1 GN</th>
<th>6x2/1GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>latent:</td>
<td>2.143 kJ/h</td>
<td>4.167 kJ/h</td>
<td>3.529 kJ/h</td>
<td>6.667 kJ/h</td>
<td>7.200 kJ/h</td>
</tr>
<tr>
<td>sensible:</td>
<td>2.571 kJ/h</td>
<td>5.000 kJ/h</td>
<td>4.286 kJ/h</td>
<td>9.231 kJ/h</td>
<td>8.780 kJ/h</td>
</tr>
</tbody>
</table>

Weight:

**Electric units SCC WE:**

<table>
<thead>
<tr>
<th>6x1/1 GN</th>
<th>6x2/1GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile:</td>
<td>248 lb (112,5 kg)</td>
<td>337 lb (148,5 kg)</td>
<td>374 lb (169,5 kg)</td>
<td>20x1/1 GN: 292 lb (132,5 kg)</td>
<td>382 lb (173 kg)</td>
</tr>
</tbody>
</table>

**Gas units SCC WE:**

<table>
<thead>
<tr>
<th>6x1/1 GN</th>
<th>6x2/1GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile:</td>
<td>280 lb (127 kg)</td>
<td>374 lb (169,5 kg)</td>
<td>20x1/1 GN: 330 lb (149,5 kg)</td>
<td>449 lb (203,5 kg)</td>
<td>826 lb (374,5 kg)</td>
</tr>
</tbody>
</table>

**Electric units CMP:**

<table>
<thead>
<tr>
<th>6x1/1 GN</th>
<th>6x2/1GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile:</td>
<td>233 lb (105,5 kg)</td>
<td>312 lb (141,5 kg)</td>
<td>20x1/1 GN: 277 lb (125,5 kg)</td>
<td>366 lb (166 kg)</td>
<td>762,8 lb (346,0) kg</td>
</tr>
</tbody>
</table>

**Gas units CMP:**

<table>
<thead>
<tr>
<th>6x1/1 GN</th>
<th>6x2/1GN</th>
<th>10x1/1 GN</th>
<th>10x2/1 GN</th>
<th>20x1/1 GN</th>
<th>20x2/1 GN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile:</td>
<td>267 lb (121 kg)</td>
<td>361 lb (163,5 kg)</td>
<td>20x1/1 GN: 316 lb (143,5 kg)</td>
<td>435 lb (197,5 kg)</td>
<td>804 lb (364,5 kg)</td>
</tr>
</tbody>
</table>

Right of technical modifications reserved.
Heat shield left and right
If the minimum required distance to heat sources on the left or right side (right side only 6x1/1 GN and 10x1/1 GN) can not be maintained a heat shield will help to reduce the heat stress to the unit.

Unit size:
- 6x1/1 GN Art.-Nr.: 60.70.390 left
- 6x1/1 GN Art.-Nr.: 60.70.736 right
- 10x1/1 GN Art.-Nr.: 60.70.391 left
- 10x1/1 GN Art.-Nr.: 60.70.743 right
- 6x2/1 GN Art.-No.: 60.70.392
- 10x2/1 GN Art.-No.: 60.70.393
- 20x1/1 GN Art.-No.: 60.70.394
- 20x2/1 GN Art.-No.: 60.70.395

Height extension of table units.
(6x1/1 GN up to 10x2/1 GN)
Should the distance between floor and bottom of table units be too low (e.g. when installing combi duo), then the standard lower parts of the legs can be replaced by longer legs.
Art.-No.: 12.00.224

Attention: In this case the height of the upper rail in the cooking cabinet exceeds 63" (1600 mm)

When using mobile oven racks and transport trolleys the height difference can be compensated by a height adjustable transport trolley.

Height adjustable trolley:
Unit size:
- 6x1/1 and 10x1/1 GN Art.-No.: 60.60.188
- 6x2/1 and 10x2/1 GN Art.-No.: 60.70.160
Option

Foot extension for floor units
Should the distance be too low between floor and bottom of floor units, foot extensions for floor units can be used.
Attention: In this case the height of the upper rail exceeds 63” (1600 mm).
Art.-No.: 60.21.179

When using these foot extensions a height compensation of the mobile oven rack must be carried out by adding an additional frame.

Unit size:
- 20x1/1 GN Art.-No.: 60.21.184
- 20x2/1 GN Art.-No.: 60.22.184

Ramp for mobile oven rack floor models
If the floor underneath the unit is not level the mobile oven rack ramp can level out this unevenness.
The adjustment range of the legs is between +/- 1” (10 mm)

Unit size:
- 20x1/1 GN Art.-No.: 60.21.080
- 20x2/1 GN Art.-No.: 60.22.181

Condensation breaker
Attention:
Extending the unit’s vent pipe without using a condensation breaker can cause malfunction.
By installing the condensation breaker together with the enclosed pipes it is possible to guide the steam to an uncritical area or to the suction area of a suction system (e.g. vent ceiling)
The kits contain the following:
Condensation breaker (depends on unit size)
Elbow DN75 with 45° angle (stainless steel)
Pipe DN75, 250 mm long (stainless steel)

Unit size:
- 61, 101, 062: 60.72.591
- 102: 60.72.592
- 201, 202: 60.72.593
Also for reducing the steam escape at the drain pipe an additional vent pipe can be fitted to the drain pipe. In this extra vent pipe holes must be drilled where air is sucked in and condensates the steam. pic 1/2

Interfaces
a) Optional all CombiMaster® Plus can be retrofitted with an Ethernet interface

b) SelfCookingCenter® 5Senses are equipped with an Ethernet interface as a standard.

Show mode units (operator panel active, heating and fan motor are continuously off)
For converting units into show mode units a modification instruction is available at RATIONAL
### Connection data USA/Canada

#### SCC_WE, CM_P Electric units:

<table>
<thead>
<tr>
<th>Power kW</th>
<th>Running Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>6x1/1</td>
<td>6x2/1</td>
</tr>
<tr>
<td>2 AC 208V</td>
<td>11,1</td>
</tr>
<tr>
<td></td>
<td>53,4</td>
</tr>
<tr>
<td>2 AC 240V</td>
<td>11,1</td>
</tr>
<tr>
<td></td>
<td>61,5</td>
</tr>
<tr>
<td>3 AC 208V</td>
<td>11,1 22,1</td>
</tr>
<tr>
<td></td>
<td>38 68</td>
</tr>
<tr>
<td></td>
<td>30,8 61,4</td>
</tr>
<tr>
<td>3 AC 440V</td>
<td>11,1 22,1</td>
</tr>
<tr>
<td></td>
<td>38 68</td>
</tr>
<tr>
<td></td>
<td>14,6 29</td>
</tr>
<tr>
<td>3 AC 480V</td>
<td>11,1 22,1</td>
</tr>
<tr>
<td></td>
<td>38 68</td>
</tr>
<tr>
<td></td>
<td>15,8 31,5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuse = A</th>
<th>AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>6x1/1</td>
<td>6x2/1</td>
</tr>
<tr>
<td>2 AC 208V</td>
<td>60</td>
</tr>
<tr>
<td>2 AC 240V</td>
<td>70</td>
</tr>
<tr>
<td>3 AC 208V</td>
<td>35</td>
</tr>
<tr>
<td>3 AC 440V</td>
<td>20</td>
</tr>
<tr>
<td>3 AC 480V</td>
<td>25</td>
</tr>
</tbody>
</table>

#### SCC_WE, CM_P Gas units:

<table>
<thead>
<tr>
<th>Electrical connection</th>
<th>Power kW</th>
<th>Running Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>1NAC 120V</td>
<td>0,4 0,5 0,95</td>
<td>3,33 4,17 7,92</td>
</tr>
<tr>
<td></td>
<td>Note: 120V comes with 5-15P Cord &amp; Plug</td>
<td></td>
</tr>
<tr>
<td>Single Phase</td>
<td>208V</td>
<td>0,4 0,77 0,5 0,8 0,95 1,6</td>
</tr>
<tr>
<td></td>
<td>240V</td>
<td>0,4 0,77 0,5 0,8 0,95 1,6</td>
</tr>
<tr>
<td></td>
<td>Note: 208V &amp; 240V with 6-15P Cord &amp; Plug</td>
<td></td>
</tr>
</tbody>
</table>

- Use copper wire only for power supply connections
- The maximum allowable tolerance of the supply voltage (supply voltage see name plate) is in the range of -15% up to +10%
### SCC_WE, CM_P Electric units:

<table>
<thead>
<tr>
<th>Power kW</th>
<th>Electricity consumption A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 AC 200V</td>
<td>6x1/1 10,1 20,7 17,2 34 34,3 62,3 29,8 59,1 49,5 97,6 99</td>
</tr>
<tr>
<td>1 AC 230V</td>
<td>6x1/1 11,2 22,3 18,6 36,7 37 67,3 27,9 55,5 46,5 91,6 92,9</td>
</tr>
<tr>
<td>1 NAC 400V</td>
<td>6x1/1 11 22,3 18,6 36,7 37 65,5 16 32,2 26,7 52,7 53,4</td>
</tr>
<tr>
<td>1 AC 400V</td>
<td>6x1/1 11 22,3 18,6 36,7 37 65,5 16 32,2 26,7 52,7 53,4</td>
</tr>
<tr>
<td>1 NAC 415V</td>
<td>6x1/1 11,2 22,3 18,6 36,7 37 67,3 14,6 29 24,3 47,9 48,5</td>
</tr>
<tr>
<td>1 AC 480V</td>
<td>6x1/1 11,2 22,3 18,6 36,7 37 67,3 13,4 26,7 22,3 44 44,7</td>
</tr>
<tr>
<td>1 NAC 230V</td>
<td>6x1/1 11,2 12 11,2 48,3</td>
</tr>
<tr>
<td>2 AC 230V</td>
<td>6x1/1 12,2 50</td>
</tr>
<tr>
<td>2 AC 240V</td>
<td>6x1/1 11,2 47</td>
</tr>
</tbody>
</table>

### Fuse protection = A

<table>
<thead>
<tr>
<th>Power kW</th>
<th>Electricity consumption A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 AC 200V</td>
<td>6x1/1 35 63 63 100 100 200</td>
</tr>
<tr>
<td>1 AC 230V</td>
<td>6x1/1 32 63 63 100 100 200</td>
</tr>
<tr>
<td>1 NAC 400V</td>
<td>6x1/1 16 32 32 63 63 100</td>
</tr>
<tr>
<td>1 AC 400V</td>
<td>6x1/1 16 32 32 63 63 100</td>
</tr>
<tr>
<td>1 NAC 415V</td>
<td>6x1/1 16 32 32 63 63 100</td>
</tr>
<tr>
<td>1 AC 440V</td>
<td>6x1/1 16 32 32 63 63 100</td>
</tr>
<tr>
<td>1 AC 480V</td>
<td>6x1/1 15 32 25 50 50 100</td>
</tr>
<tr>
<td>1 NAC 230V</td>
<td>6x1/1 50</td>
</tr>
<tr>
<td>1 NAC 240V</td>
<td>6x1/1 50</td>
</tr>
<tr>
<td>2 AC 230V</td>
<td>6x1/1 50</td>
</tr>
<tr>
<td>2 AC 240V</td>
<td>6x1/1 50</td>
</tr>
</tbody>
</table>

### SCC_WE, CM_P Gas units:

<table>
<thead>
<tr>
<th>Power kW</th>
<th>Electricity consumption A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 NAC 100V</td>
<td>6x1/1 0,4 0,5 0,95 4 5</td>
</tr>
<tr>
<td>1 NAC 110V</td>
<td>6x1/1 0,4 0,5 0,95 3,7 4,5</td>
</tr>
<tr>
<td>1 NAC 120V</td>
<td>6x1/1 0,4 0,5 0,95 3,4</td>
</tr>
<tr>
<td>1 NAC 127V</td>
<td>6x1/1 0,4 0,5 0,95 3,2</td>
</tr>
<tr>
<td>1 NAC 220V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 1,8 3,5 2,3 3,7</td>
</tr>
<tr>
<td>1 NAC 230V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 1,74 3,35 2,1 3,48</td>
</tr>
<tr>
<td>1 NAC 240V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 1,66 3,21 2,1</td>
</tr>
<tr>
<td>2 AC 200V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 2 3,85 2,5 4,0</td>
</tr>
<tr>
<td>2 AC 220V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 1,8 3,5 2,3 3,7</td>
</tr>
<tr>
<td>2 AC 230V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 1,74 3,35 2,1 3,48</td>
</tr>
<tr>
<td>2 AC 240V</td>
<td>6x1/1 0,4 0,77 0,5 0,8 0,95 1,6 1,66 3,21 2,1</td>
</tr>
</tbody>
</table>

The maximum allowable tolerance of the supply voltage (supply voltage see name plate) is in the range of -15% up to +10%
## Conversion tables

<table>
<thead>
<tr>
<th>°dH</th>
<th>°f</th>
<th>°e ppm</th>
<th>mmol/l</th>
<th>gr/gal (US)</th>
<th>mval/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1,79</td>
<td>1,25</td>
<td>17,9</td>
<td>0,1783</td>
</tr>
<tr>
<td>1</td>
<td>0,56</td>
<td>1</td>
<td>0,70</td>
<td>10,0</td>
<td>0,1</td>
</tr>
<tr>
<td>1</td>
<td>0,8</td>
<td>1,43</td>
<td>1</td>
<td>14,32</td>
<td>0,14</td>
</tr>
<tr>
<td>1 ppm</td>
<td>0,056</td>
<td>0,1</td>
<td>0,07</td>
<td>1</td>
<td>0,01</td>
</tr>
<tr>
<td>1 mmol/l</td>
<td>5,6</td>
<td>0,001</td>
<td>0,0007</td>
<td>100</td>
<td>1</td>
</tr>
<tr>
<td>1 gr/gal (US)</td>
<td>0,96</td>
<td>1,71</td>
<td>1,20</td>
<td>17,1</td>
<td>0,171</td>
</tr>
<tr>
<td>1 mval/kg</td>
<td>2,8</td>
<td>5,0</td>
<td>3,5</td>
<td>50</td>
<td>0,5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>°dH:</th>
<th>ppm:</th>
<th>gr/gal (US):</th>
<th>mval/kg:</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,00 mg CaO/kg</td>
<td>0,56 mg CaO/kg</td>
<td>9,60 mg CaO/kg</td>
<td></td>
</tr>
<tr>
<td>17,86 mg CaCO₃/kg</td>
<td>1,0 mg CaCO₃/kg</td>
<td>64,8 mg CaCO₃/gal</td>
<td></td>
</tr>
<tr>
<td>7,14 mg Ca²⁺/kg</td>
<td>0,40 mg Ca²⁺/kg</td>
<td>17,11 mg CaCO₃/kg</td>
<td></td>
</tr>
<tr>
<td>5,60 mg CaO/kg</td>
<td>1 mmol/l: (chem. conc.)</td>
<td>100,0 mg CaCO₃/kg</td>
<td></td>
</tr>
<tr>
<td>10,0 mg CaCO₃/kg</td>
<td>100,0 mg CaCO₃/kg</td>
<td>39,98 mg Ca²⁺/kg</td>
<td></td>
</tr>
<tr>
<td>4,00 mg Ca²⁺/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8,01 mg CaO/kg</td>
<td>1 mval/kg: (Milliäquivalent)</td>
<td>50,0 mg CaCO₃/kg</td>
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<td>14,3 mg CaCO₃/kg</td>
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<td>5,72 mg Ca²⁺/kg</td>
<td>19,99 mg Ca²⁺/kg</td>
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<table>
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<th>psi</th>
<th>inch/wc</th>
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<td>14,7</td>
<td>401,4000</td>
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</table>
Schematic drawing 6x1/1 GN

1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Earth bonding
7 = Venting pipe 2 3/8”

* = option after removal of T-connection

Measures in mm (inch)
Schematic drawing 6x1/1 GN Gas

1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water* 
3 = Water supply, soft water* 
4 = Drain, 5 = Electrical connection 
6 = Earth bonding, 7 = Venting pipe 2 3/8" 
8 = Gas supply 3/4" 
9 = Exhaust pipe steam 
10 = Exhaust pipe hot air 

Measures in mm (inch)

*= option after removal of T-connection
Schematic drawing 6x2/1 GN

1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Venting pipe 2 3/8" (measures in mm (inch))
* = option after removal of T-connection
1 = Common water supply (cold water) 
   (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain, 5 = Electrical connection
6 = Earth bonding, 7 = Venting pipe 2 3/8"
8 = Gas supply 3/4"
9 = Exhaust pipe steam
10 = Exhaust pipe hot air

Measures in mm (inch)
*= option after removal of T-connection
Schematic drawing 10x1/1 GN

1 = Common water supply (cold water)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Earth bonding
7 = Venting pipe 2 3/8" (inch)

* = option after removal of T-connection

Measures in mm (inch)
Schematic drawing 10x1/1 GN Gas

1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain, 5 = Electrical connection
6 = Earth bonding, 7 = Venting pipe 2 3/8"
8 = Gas supply 3/4"
9 = Exhaust pipe steam
10 = Exhaust pipe hot air

* = option after removal of T-connection

Measures in mm (inch)
Schematic drawing 10x2/1 GN

1 = Common water supply (cold water)  
2 = Water supply, cold water*  
3 = Water supply, soft water*  
4 = Drain  
5 = Electrical connection  
6 = Earth bonding  
7 = Venting pipe 2 3/4"  

Measures in mm (inch)  
*= option after removal of T-connection
1 = Common water supply (cold water)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Earth bonding
7 = Venting pipe 3”

* = option after removal of T-connection

Measures in mm (inch)
Schematic drawing 20x1/1 GN Gas

1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Earthing pipe 3/4"
7 = Venting pipe 3"
8 = Gas supply 3/4"
9 = Exhaust pipe hot air
10 = Exhaust pipe hot air

* = optional after removal of T-connection

Measures in mm (inch)
1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Earth bonding
7 = Venting pipe 3”

Measures in mm (inch)

* = option after removal of T-connection
Schematic drawing 20x2/1 GN Gas

1 = Common water supply (cold water) (standard as shipped)
2 = Water supply, cold water*
3 = Water supply, soft water*
4 = Drain
5 = Electrical connection
6 = Earth bonding
7 = Venting pipe 3"*
8 = Gas supply 3/4"
9 = Exhaust pipe steam
10 = Exhaust pipe hot air

Measures in mm (inch)
* = option after removal of T-connection