

# INSTALLATION MANUAL

## Auto Clean Rotisserie



ACR on underframe

- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended a training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

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This manual covers the ACR rotisserie.

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

### TECHNICAL DATA ACR ON STAND

Dimensions	Width	mm	1440
	Depth	mm	950 [SB], 1065 [PT]
	Height	mm	1810
Weight	Gross	kg	445
	Net	kg	380
Maximum ambient temperature		°C	35
Sound pressure		dB (A)	< 70
Electrical installation	Voltage	V	3N~ 400/230
	Frequency	Hz	50/60
	Required power	kW	12
	Max. nominal current	A	18
Plug	CEE-form	A	32
	length	m	approx. 2.2
Drain	Open connection	mm	min. 40
Water connection	Aerated	inch	¾
Water	pressure	kPa	200 – 500 flowing at 15 ltr/min
Acidity		pH	7.0-8.0
Chlorides		ppm	< 30
Water hardness		KH	< 7° (0° = recommended !)
Drain	Open connection	inch	min. 40 mm inside
Cleaning agent	Johnson diversey, Suma D9	mL	approx. 1000 per cycle
	Ecolab, Greasecutter Plus		
	Ecolab, 158		
	Dr Becher. UN1824 NL-B Oven and grill cleaner		
	Wesca. LP052-09		

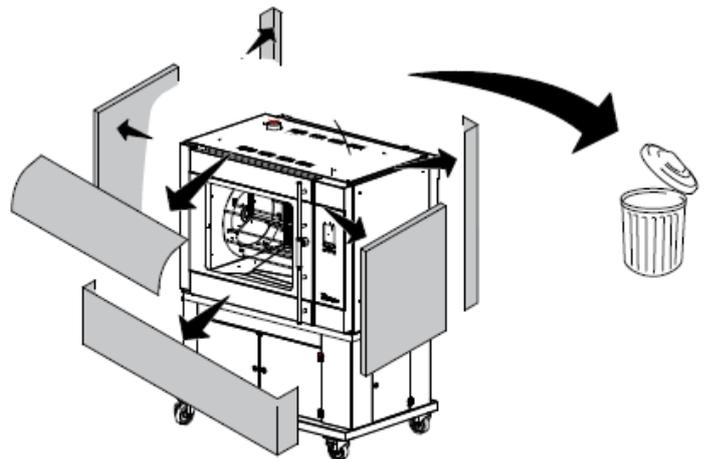
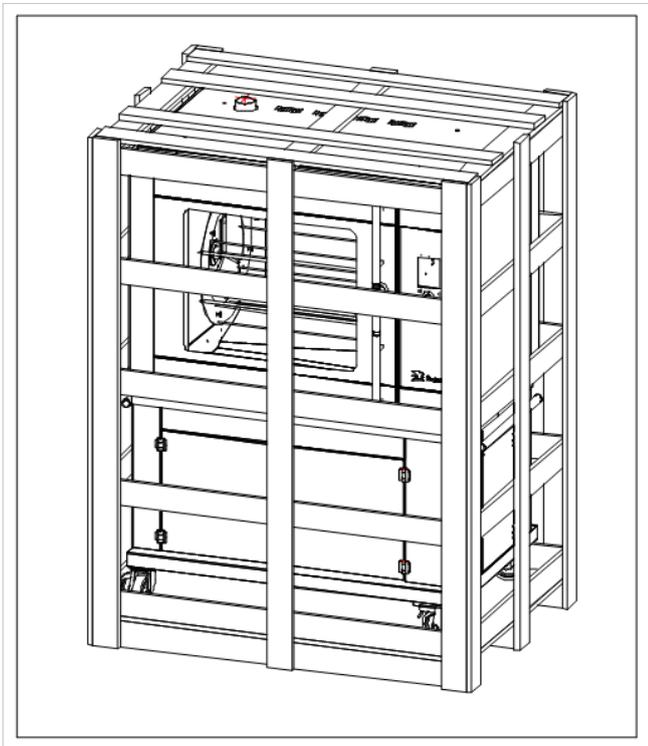
## INTRODUCTION

- Unpacking of the unit.
- Remove the pallet under the unit with the help of a fork lift.
- Put the unit on his location.
- Check if there is enough free space around the unit (see installation drawing).
- Tethering of the unit.
- Check the electrical supply.
- Connect the water. Measure water hardness. Connect the lime filter.
- Place detergent. Place bucket. Connect drain.
- Make a test run on 250°C.
- Give instructions to the operator.

## UNPACKING THE UNIT

Immediately after unpacking the oven, check for possible shipping damage. If the oven is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery.

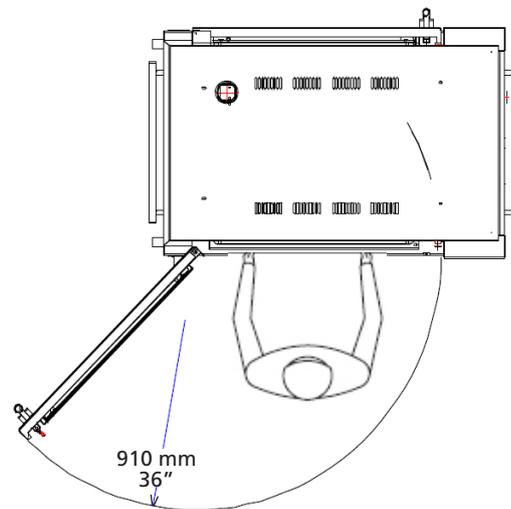
The standard way to remove the oven from a pallet is with a fork lift.



## LOCATION

The oven must be installed on a level surface. The installation location must allow adequate clearances for servicing and proper operation.

**IMPORTANT:** Make sure you leave sufficient space around the rotisserie or warmer to easily remove or insert the rotor. If the base has (rotating) wheels, the floor on which it rests must be level.

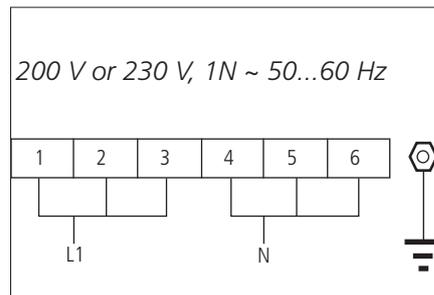
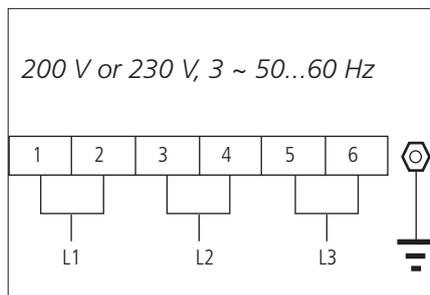
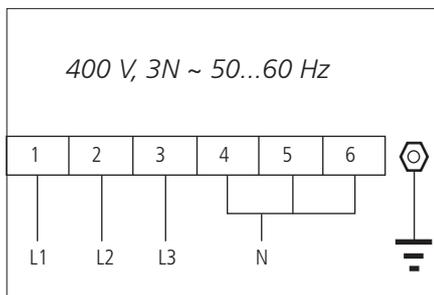


## ELECTRICAL SUPPLY

Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate located on the right side panel near the controls. The connecting cable for the unit must be equipped with an approved plug connection. If use is to be made of a permanent connection, the connecting cable must be connected to a manual on/off switch that is installed near the unit in a clear visible manner.

The unit must be connected according to one of the the figures below.

### FACTORY DEFAULT !



## LEGS / CASTORS

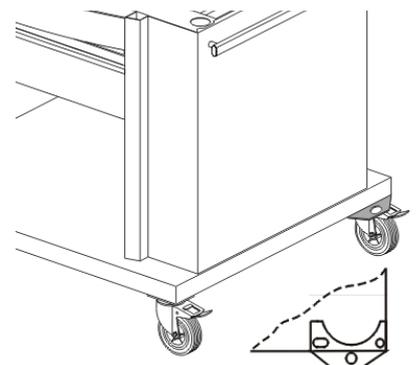
The ACR is placed on a stand with 2 swivel and 2 locking swivel castors.

## TETHERING OF THE UNIT

**Warning:** Safety standards require that, when this appliance is properly connected to the electrical power supply using flexible conduit, adequate means be provided to limit movement of the appliance without depending on or transmitting stress to the electrical conduit. This means that, as part of the installation, the base or bottom unit of stacked models must be secured to the building structure (typically either wall or floor) to limit the movement of the appliance and, thus, helping to prevent damage to the conduit during cleaning, maintenance and service operations.

A tether bracket, as shown on the drawing below, is provided with the stand. Based on the routing of the flexible conduit, the bracket must be installed along with the caster to one corner of the base using the hardware provided. The remaining open hole in the center of the tether bracket is to be used to secure one end of the tether (locally supplied chain, cable, etc.). The other end of the tether is to be secured to an anchoring point in the building structure.

**Note:** *Length of tether must be shorter than the flexible conduit to make sure that during appliance movement, no stress is transmitted to the conduit.*



## WATER SUPPLY AND FILTER CONNECTION

On the backside of the stand, 2 water inlets can be found with 3/4" connection. As shown, the outmost is meant for filtered (descaled) water. The other connection has to be used for normal tap water.

2 hoses with 3/4" straight to 3/4" angled, length 1,5mtr (60") are supplied with the unit.

A water filter, in case applicable, can be connected on the inside or on the outside of the stand.

*Note that on the inside of the stand, a hose can be disconnected from the 3/4" socket in order to put the filter in between.*

Both connections need to be connected!!

*In case one connection is left open, the water from the other one will come out.*

*In case one connection is blocked, the cleaning program will not function properly.*

The by-pass of the descaling filter, if applicable, needs to be adjusted to zero.

Refer to the filters manual to determine the filter capacity. This filter capacity needs to be adjusted in the manager parameters.



Drain hose, 1,5 mtr (60") ,  
supplied with the unit.



## PLACING OF DETERGENT

Place the bottle of detergent inside the side of the stand. Place the tube with cap inside the bottle. Be sure that the tube sticks inside the bottle until the bottom.

There are 6 different approved detergents suitable for the ACR. These are:

1. Diversey, Suma D9.
2. Ecolab. Grease Cutter Plus.
3. Ecolab. 158.
4. Dr. Bechaer. UNI824 NL-B Oven and Grill Cleaner.
5. Wesca. LP052-09.

**The first 2 products are highly recommended.**

## PLACING OF BUCKET

Place the bucket, which is delivered with the unit, inside the stand under the drain valve.

It is also possible to put other containers in the underframe to collect the grease.

Note1: In one run, 5 liters ( 1,3 gallon) grease can come out.

Note 2: The temperature of the grease can go up to 80°C (176°F).

Make sure that the container meets the above requirements.

## CONNECTING THE DRAIN TUBE

An open draining system with a 110 mm (4 1/2") funnel is recommended (see installation drawing). The drain tube has an outside diameter of 33 mm (1 1/3 inch).

- It is not allowed to make a closed connection!
- Make sure that the tube is not kinked and is sloping downwards to the drain funnel.
- The minimum inside diameter of the sewer pipe needs to be 40mm (1 1/2").
- A siphon in the customers sewer is highly recommended to prevent odors from coming out of the sewer.

## TEST RUN

The oven must be burned in to release any odours that might result from heating the new oven surfaces. Operate the oven at maximum temperature setting of 250°C for 30 minutes. Smoke with an unpleasant odour will normally be given off during this burn-in period.

## EXTRACTION OF THE ROTISSERIE

An extraction hood is prescribed. The ACR produces about 10 m<sup>3</sup> vapour during a cooking cycle. When placing the rotisserie under an extraction hood, the following guide lines have to be considered (see also the installation drawing):

- The minimum capacity of the extraction hood has to be 800 m<sup>3</sup>/h.
- The extraction hood has to extend minimum by 20 cm on all sides of the rotisserie.
- The extraction hood has to have a free height, above the rotisserie, of a minimum of 30 cm.
- The rotisserie has to be accessible for service purposes.
- The extraction hood has to have facilities to drain any condensation, down to a drain.

## INSTRUCTIONS FOR OPERATORS

After installation of the rotisserie the operator of the unit has to be instructed. The instruction has to cover the following subjects:

- Programming and options.
- Working of the unit.
- Free space of unit for cooling of drive motor and blowers.
- Run through the user manual.
- How to check and change detergent.
- Periodical maintenance:
  - Cleaning of fan plate every month.
  - Cleaning of top plate every month.
  - Changing lime filter when saturated.
- How to react for information or service calls.

DESCRIPTION OF THE LABELS

- 1 Exit of power cable. 1,5mtr
- 3 Watersupply inlet "G"¾" Tube length 1,5mtr.
- 3 Filtered watersupply inlet "G"¾" Tube length 1,5mtr.
- 4 Drain hose 32mm , lenth 1,5mtr
- 5 Fume outlet (vent) oven.
- 6a Space between the oven and a wall. 50mm
- 6b Space between the back and a wall. 100mm
- 7 Space between top and hood.
- 8 Capture funnel for drain water
- 9 Sewer pipe. Minimum inside diameter 40mm (1 1/2")
- 10 Suction pipe, air. -

