

Installation Manual

Halton Retigo Recirculating Hood



Manufactured By
Halton Company

Integrated Exhaust Hood for Retigo Electric
Oven Models Blue B1011i, B1021i, B621i, B611i,
B623i Sizes RET-1, RET-2, RET-3

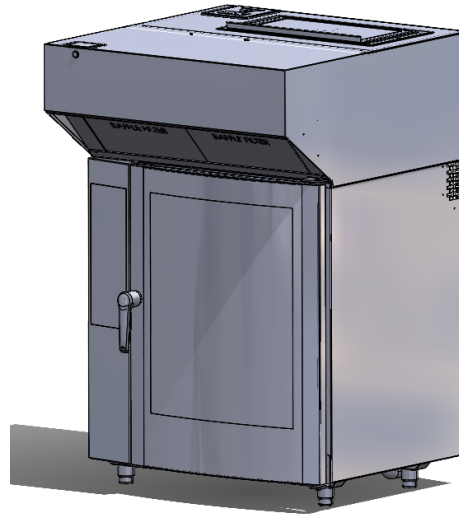
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Halton

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Introduction



The Retigo hood is a recirculating ventilation system designed for Retigo electric ovens Blue B1011i, B1021i, B621i, B611i, B623i, rated 24.3 kW or less. The hood is an integral accessory per UL197 for the electric ovens and certified to UL 710B where applicable and in compliance with NFPA96.

The hood reduces latent load and grease-laden discharge from the ovens during cooking and it features two fan speeds. Low speed is the default speed and manually turned on by pressing the on/off switch on the front face of the hood, whereas high speed is engaged when the oven door is opened where the oven sends a signal that closes the hood circuit to run the fans at high speed.

Recirculating systems requires balancing the air-conditioning load to neutralize heat load from the hood system. The heat load can vary based on the size of oven and usage. Consult ASHRAE guides and handbook for recommended load values.

Hood Sizes

| Hood | | | | | |
|------------|-----------------------------|-----------------|-----------|-----------|------------|
| Hood Model | Oven Model | Oven Rated (kW) | Width, mm | Depth, mm | Height, mm |
| RET-1 | Blue B1011 i Blue B611 i | 15.3 9 | 943.5 | 981.5 | 406.6 |
| RET-2 | Blue B1021 i Blue B621 i | 24.3 15.3 | 1131.5 | 1184.2 | 406.3 |
| RET-3 | Blue B623 i | 4.2 | 693.5 | 756.5 | 355.8 |

For Your Safety

This section provides you with all the information you need in order to use the appliance safely without putting yourself or others at risk.

You should read this chapter carefully in particular

Contents

This chapter contains the following topics:

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Basic Safety Code

Object of this safety code

This safety code aims to ensure that all persons using the appliance have a thorough knowledge of the hazards and safety precautions and that they follow the safety directions given in the operating instructions and on the appliance. If you do not follow this safety code, you risk potentially fatal injury and property damage.

Working with the operating instructions

Follow the instructions below:

Read in full the safety chapter and chapters that relate to your work

Always keep the operating instructions to hand for reference

Pass on the operating instructions with the appliance if it changes owners

Working with the appliance

Follow the instructions below:

Only people who satisfy the requirements set forth in these operating instructions can use the appliance.

People (including children) who, because of their physical, sensory or intellectual capabilities, or because of their lack of experience or knowledge, are incapable of using the appliance safely, must not use this equipment without the supervision or guidance of a responsible person.

Use the appliance only for its specified use. Never, under any circumstances, use the appliance for any other purposes that might seem self-evident.

Take all the safety precautions specified in these operating instructions and on the appliance. Use the prescribed personal protective equipment.

Only stand in the working positions specified.

Do not make any changes to the appliance, e.g. do not remove parts or install non-approved parts. You must not disable any safety devices.

Warnings on the Combi Hood

Where are the warning signs fitted?

The picture below shows the location of the warning labels on the Hoods



Warnings on the rear panel

The following warning signs must always be attached to the combi hood in the area indicated to be easily visible.

| Area | Warning sign | Description |
|------|---|--|
| 1 |  | Warning of dangerous electric voltage / electric shock. There is a risk of electric shock from live parts if the safety cover is opened. |

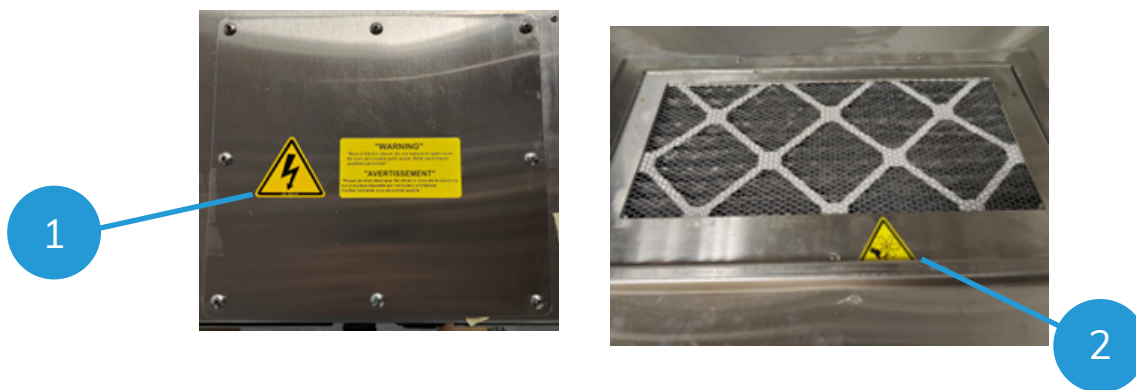
Summary of Hazards

General rules for dealing with hazards and safety precautions

The appliance is designed to protect the user from all hazards that can reasonably be avoided by design measures. The actual purpose of the appliance, however, means that there are still residual risks; you must therefore take precautions to avoid them. A safety device can provide you with a certain degree of protection against some of these hazards. You must ensure, however, that these safety devices are in place and in working order. The nature of these residual risks and what effect they have are described below:

Hazard points

The photos below show the location of hazard points on the hoods



| ITEM | NAME |
|------|--------------------|
| 1 | Electric box cover |
| 2 | Fan box cover |

Damaged power cable

The appliance's power cable may become damaged during transit.
This poses: A risk of electric shock from damaged power cable.

Live parts

The appliance contains live parts.
This poses:

- A risk of electric shock if covers are not in place.
- A risk of electric shock caused by a short-circuit when spraying water on the appliance.

Missing equipotential bonding

No equipotential bonding installed.
This poses:

- A risk of electric shock when the hood is not incorporated into the equipotential bonding of the combi steamer.

Clogged filters and case components

Sparks can ignite grease if the filters and accessible case parts have not been cleaned adequately. This poses: Grease fire hazard due to insufficient cleaning.

Hot steam

The combi steamer generates hot steam that escape when the appliance door is opened. This poses: A risk of scalding from hot steam when the appliance door is opened.

You are protected from hot steam by the appliance door itself.

Hot components

Touching the baffle filters, mist collectors or inside surfaces directly after opening the appliance door or if the hood is fitted on the appliance but not yet in operation (*no mains connection*)

This poses: A risk of burns from hot components.

Condensation collection

The hood is fitted on the appliance but not yet in operation.

This poses: A risk of mold formation from condensation collecting inside the appliance.

Overstressing your body

If a single person tries to lift the appliance by himself/herself, the appliance's weight may lead to: A risk of injury, especially in the area of the torso, from incorrect lifting.

Contact with cleaning agents

Cleaning agents can come into direct contact with your skin and eyes.

This poses: Risk of skin and eye irritation or chemical burns.

Hood falling down

If the hood is not fastened to the combi steamer correctly, the hood may slip and fall down.

This poses: Risk of crushing various parts of the body from the hood falling down.

Combined units falling over

Mounting the hood on top of the combi steamer increases the risk of the units toppling over.

This poses: Risk of crushing various parts of the body from combined units falling over.

Pinching of hands by various activities

For various actions, such as cleaning the appliance, there is a risk that you will pinch your hand.

Rotating fan

The appliance contains a fan. This poses: A risk of hand injuries or hair or loose clothing being caught by the rotating fan wheel if the cover is not fitted properly.

Overhang of the hood

The hood extends beyond the combi steamer. This poses: Danger of hitting the overhanging hood.

Additional hazards and safety precautions

Moving and setting up the appliance

When moving and setting up the hood, be aware of the following hazards and take the specified preventive actions:

| Danger | Where or in what situations does the hazard arise? | Preventive action / Safety device |
|---|---|--|
| Risk of electric shock from live parts | When replacing the ventilation port behind the left side panel of the combi steamer. | <ul style="list-style-type: none"> Work on the electrical system must only be performed by qualified electricians from an authorized service company Professional working <hr/> Before removing the covers: <ul style="list-style-type: none"> Switch off all connections to the power supply Take protective measures at every power switch to ensure that the power cannot be switched on again. Make sure that the appliance is de-energized |
| A risk of electric shock from damaged power cable | On the appliance rear | Check the power cable |
| Risk of injury from over-stressing your body | When setting up and moving the hood | Only with enough people or appropriate tools |
| Risk of crushing from hood falling down | If installation was carried out incorrectly | <ul style="list-style-type: none"> Secure in place Use the parts intended for this purpose Wear personal protective equipment Exercise caution when performing this action Safety device: <ul style="list-style-type: none"> Securing with fixing screws |
| | When moving the appliance (within the site) | <ul style="list-style-type: none"> Always use appropriate equipment Secure appliance against tipping over Exercise caution when performing this action Avoid moving appliance along uneven routes or up or down steep slopes. |
| Risk of crushing from the combined units falling over | When fitting a hood to a combi steamer | <ul style="list-style-type: none"> Check that the combined units cannot tip over Ensure that they are fitted on a horizontal and flat surface |
| Danger of hitting the overhanging hood | In front of the appliance door | Exercise caution Safety device: <ul style="list-style-type: none"> Adapter for 6.10/6.20 |
| Risk of hands and fingers being pinched | <ul style="list-style-type: none"> When placing the hood in position When fitting the filters When fitting the adapter | <ul style="list-style-type: none"> Exercise caution when performing this action Wear personal protective equipment Follow the instructions in the manual for installation |
| Risk of cuts | When breaking out the perforation | <ul style="list-style-type: none"> Exercise caution when performing this action Wear personal protective equipment Follow the instructions in the manual when removing perforated sections, and deburr the section edges |

Operation

When operating the hood, be aware of the following hazards and take the specified preventive actions:

| Danger | Where or in what situations does the hazard arise? | Preventive action / Safety device |
|--|--|---|
| Risk of electric shock caused by moisture entering the wiring compartment | Installation not carried out properly | Follow the instructions in the manual for installation |
| Risk of scalding from hot steam | <ul style="list-style-type: none"> ▪ In front of the appliance door ▪ In the hood's equipment room | <ul style="list-style-type: none"> ▪ Check safety device ▪ use safety device ▪ Only reach into the system once it has cooled down <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Venting position of appliance door ▪ High hood fan extraction rate |
| Grease fire hazard due to insufficient cleaning | Outside the hood | Clean regularly in accordance with the cleaning instructions |
| A risk of mold formation from condensation collecting inside the appliance | Outside the hood | <p>Make sure the hood is plugged in when the combi steamer is running</p> <p>Safety device:</p> <ul style="list-style-type: none"> ▪ The hood is switched automatically with the combi steamer ▪ Condensate drain |
| A risk of burns from hot components | Outside and inside the hood | <ul style="list-style-type: none"> ▪ Do not touch the baffle filters, mist collectors or the interior directly after opening the appliance door ▪ If the hood is fitted on the appliance but not yet in operation (no mains connection) |
| Risk of injuries from rotating fan | Inside the chamber | <p>Checking safety devices</p> <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Cover in front of fans ▪ Baffle filter ▪ Mist collector |
| Danger of hitting the overhanging hood | In front of the appliance door | <p>Exercise caution</p> <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Adapter for 6.10/6.20 |

Cleaning

When cleaning the hood, be aware of the following hazards and take the specified preventive actions:

| Danger | Where or in what situations does the hazard arise? | Preventive action / Safety device |
|---|--|--|
| Risk of electric shock caused by a short-circuit | Outside the hood | <ul style="list-style-type: none"> ▪ Do not clean with water jet ▪ Disconnect from the power supply before cleaning |
| Risk of electric shock from live parts | Under the cover | Check safety device |
| A risk of burns from hot surfaces | Inside the case | <ul style="list-style-type: none"> ▪ Allow to cool down before cleaning ▪ Wear personal protective equipment |
| Risk of mold formation due to inadequate cleaning | Outside the hood | Clean regularly in accordance with the cleaning instructions |
| Risk of skin and eye irritation or chemical burns from contact with cleaning agents | <p>During all cleaning tasks</p> <p>When corrosive cleaning agents are used</p> | <p>Wear personal protective equipment</p> <ul style="list-style-type: none"> ▪ Only use common household cleaning agents ▪ Wear personal protective equipment |
| Risk of hand injuries from crushing | <ul style="list-style-type: none"> ▪ When cleaning the baffle filters: ▪ When cleaning the mist collectors ▪ When replacing the secondary filters | Exercise caution when performing these tasks |
| Risk of crushing from filters falling out | When fitting and removing the filters | Exercise caution when performing this action |
| Risk of injuries from rotating fan | Inside the chamber | <ul style="list-style-type: none"> ▪ Checking safety devices ▪ Disconnect from the power supply before cleaning <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Cover in front of fans ▪ Baffle filter ▪ Mist collector |
| Danger of hitting the overhanging hood | In front of the appliance door | <p>Exercise caution</p> <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Adapter for 6.10/6.20 |
| Risk of cuts | <ul style="list-style-type: none"> ▪ Along the edges of the break-outs ▪ On the case edges | <ul style="list-style-type: none"> ▪ Exercise caution when performing this action ▪ Wear personal protective equipment |

Installing, preparing for first-time use, taking out of operation and servicing

When installing or servicing the combi steamer, preparing it for first-time use or taking it out of operation, be aware of the following hazards and take the preventive

| Danger | Where or in what situations does the hazard arise? | Preventive action / Safety device |
|---|--|---|
| Risk of electric shock caused by moisture entering the wiring compartment | Installation not carried out properly | Follow the instructions in the manual for installation |
| Risk of scalding from hot steam | <ul style="list-style-type: none"> ▪ In front of the appliance door ▪ In the hood's equipment room | <ul style="list-style-type: none"> ▪ Check safety device ▪ use safety device ▪ Only reach into the system once it has cooled down <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Venting position of appliance door ▪ High hood fan extraction rate |
| A risk of burns from hot components | Outside and inside the hood | Do not touch the baffle filters, mist collectors or the interior directly after opening the appliance door |
| Risk of injury from over-stressing your body | When moving the hood | Only with enough people or appropriate tools |
| Risk of crushing from hood falling down | <ul style="list-style-type: none"> ▪ When the hood is not secured on the combi steamer ▪ When removing or fitting the hood | <ul style="list-style-type: none"> ▪ Fasten to the combi steamer ▪ Wear personal protective equipment <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Securing with fixing screws |
| Risk of crushing from the combined units falling over | When fitting a hood to a combi steamer | <ul style="list-style-type: none"> ▪ Check that the combined units cannot tip over ▪ Ensure that they are fitted on a horizontal and flat surface |
| Risk of electric shock if equipotential bonding not installed | On the appliance and on adjacent metal parts | <p>Incorporate hood in an equipotential bonding system</p> <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Equipotential bonding system |
| Risk of electric shock caused by moisture entering the wiring compartment | Installation not carried out properly | Follow the instructions in the manual for installation |
| Risk of scalding from hot steam | <ul style="list-style-type: none"> ▪ In front of the appliance door ▪ In the hood's equipment room | <ul style="list-style-type: none"> ▪ Check safety device ▪ use safety device ▪ Only reach into the system once it has cooled down <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Venting position of appliance door ▪ High hood fan extraction rate |
| A risk of burns from hot components | Outside and inside the hood | Do not touch the baffle filters, mist collectors or the interior directly after opening the appliance door |

Installing, preparing for first-time use, taking out of operation and servicing continued...

| Danger | Where or in what situations does the hazard arise? | Preventive action / Safety device |
|---|--|--|
| Risk of injury from over-stressing your body | When moving the hood | Only with enough people or appropriate tools |
| Risk of crushing from hood falling down | <ul style="list-style-type: none"> ▪ When the hood is not secured on the combi steamer ▪ When removing or fitting the hood | <ul style="list-style-type: none"> ▪ Fasten to the combi steamer ▪ Wear personal protective equipment <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Securing with fixing screws |
| Risk of crushing from the combined units falling over | When fitting a hood to a combi steamer | <ul style="list-style-type: none"> ▪ Check that the combined units cannot tip over ▪ Ensure that they are fitted on a horizontal and flat surface |
| Risk of electric shock if equipotential bonding not installed | On the appliance and on adjacent metal parts | <p>Incorporate hood in an equipotential bonding system</p> <p>Safety device:</p> <ul style="list-style-type: none"> ▪ Equipotential bonding system |

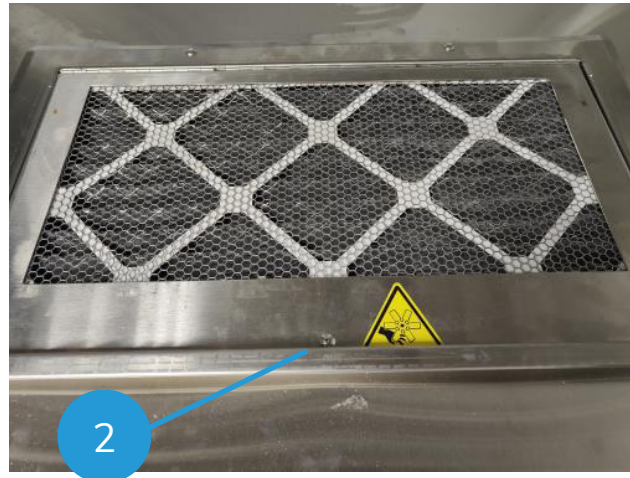
Safety Devices

Meaning

The hood has a number of safety devices to protect the user from hazards. It is essential that all safety devices are fitted and in working order when operating the hood.

Position

The following photos show the location of the safety devices



Functions

The following table enumerates all the safety devices on the hood, explains their function, and describes the check procedure.

| Item | Safety device | Function | Check |
|----------------|----------------------|---|--|
| 1 | Electrical box cover | Prevents live parts from being touched accidentally | Check that the cover is in place |
| 2 | Fan box cover | Prevents access to the moving fan wheel | Check that the cover is in place |
| 3 | Baffle filter | Prevents contact with hot parts inside the hood | Check that the baffle filters are in place |
| 4 (no picture) | Steam condensation | <ul style="list-style-type: none"> ▪ Low fan extraction rate ▪ High fan extraction rate | Check whether the fan is running |

Requirements to be met by personnel, working positions

Requirements to be met by personnel

People using the hood must meet the following requirements

| Personnel | Qualifications | Tasks |
|-----------------------|--|---|
| Chef | <ul style="list-style-type: none"> ▪ Has relevant professional training ▪ Knows relevant national food legislation and regulations, plus hygiene legislation and regulations ▪ Trained in how to operate the hood | <ul style="list-style-type: none"> ▪ Turning the hood on / off ▪ Cleaning the hood |
| User | <ul style="list-style-type: none"> ▪ Semi-skilled ▪ Trained in how to operate the hood | <ul style="list-style-type: none"> ▪ Turning the hood on / off ▪ Cleaning the hood ▪ Minor servicing tasks |
| Installation engineer | <ul style="list-style-type: none"> ▪ Is an authorized customer service engineer ▪ Has relevant professional training ▪ Is a qualified electrician ▪ Knows national laws and regulations | <ul style="list-style-type: none"> ▪ Installation ▪ Preparing the appliance for use ▪ Servicing |

Working positions during operation

The working position for personnel while operating the hood is in front of the combi steamer

Working positions during cleaning and servicing

The working position for staff during cleaning and servicing is the entire appliance area.

Personal protective equipment

Operating and cleaning

| Activity | Materials used | Personal protective equipment |
|---|----------------|---|
| Operating the combi steamer with the hood | None | Work wear as specified in the corresponding country-specific regulations regarding kitchen work, in particular: <ul style="list-style-type: none">▪ Protective clothing▪ Protective glove or a suitable cloth▪ Safety boots |
| Cleaning the hood | None | Work wear as specified in the corresponding country-specific regulations regarding kitchen work, in particular: Personal protective equipment in accordance with the specifications of the cleaning agent manufacturer and the EC material safety data sheets. |

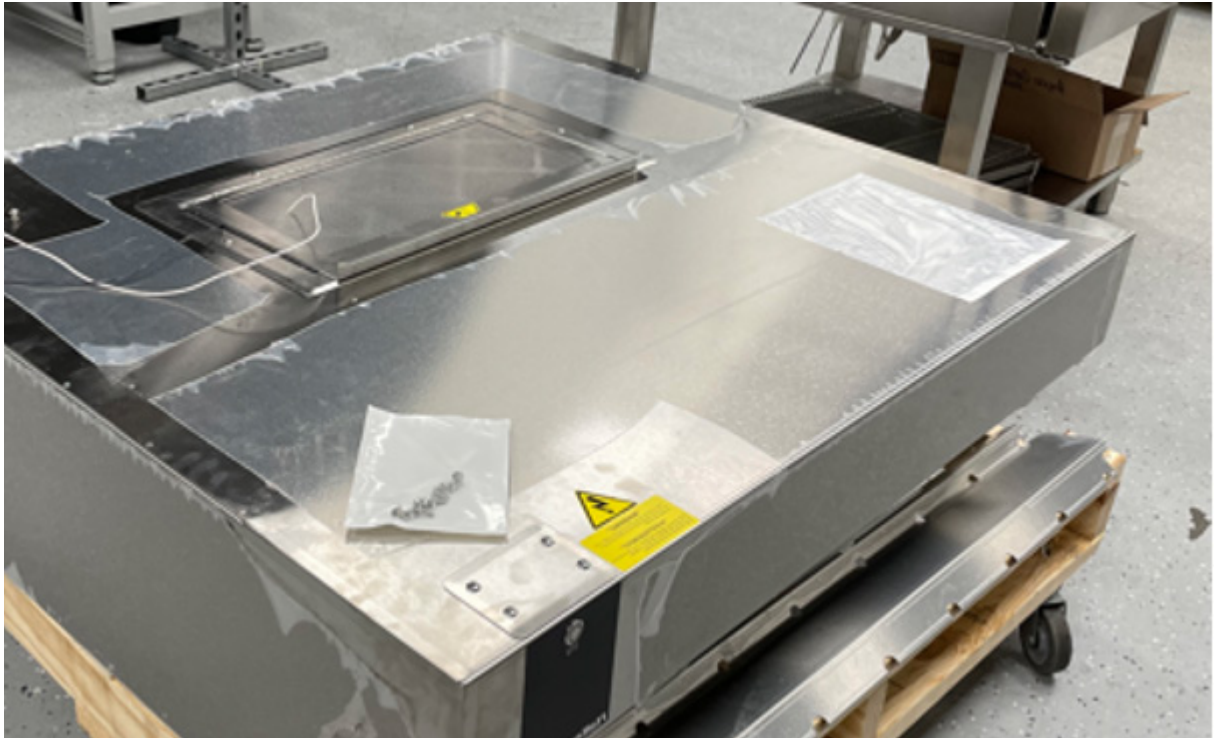
Installation and servicing

| Activity | Materials used | Personal protective equipment |
|---|-----------------------|--|
| Installing and servicing the combi steamer fitted with hood | According to the task | Work wear as specified in national regulations and depending on the job that needs doing |

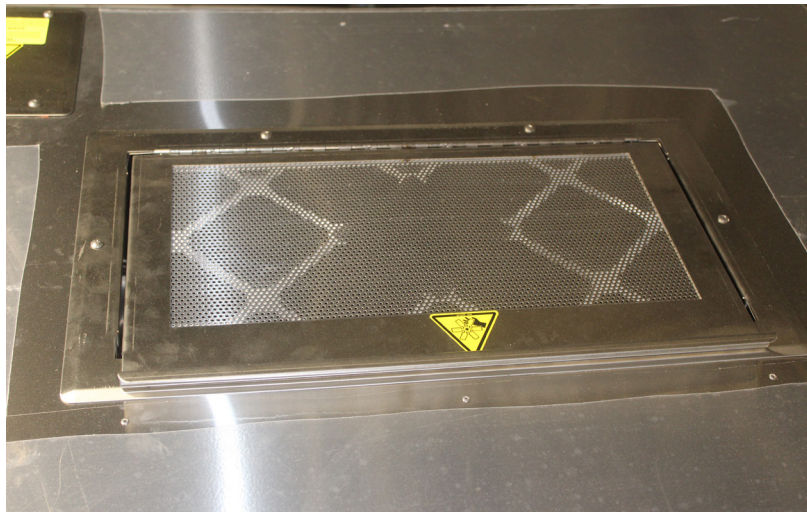
Installation Instructions

The hood and oven assembly must be installed per manufacturer's instructions and following NFPA 96, and regional codes. For inquiries, please contact the supplier. When installed, the owner/operator should be trained on proper operation and maintenance of the system. Adhere to clearance requirements for the oven per UL197 listing.

The hood when fully assembled can weigh up to 100kg (220 lbs). Allow sufficient space from the back of oven to slide and rest the heat exchanger if it is shipped separately. The installation steps below assumes the hood mechanical components are not installed and shipped separately in an accessories box.

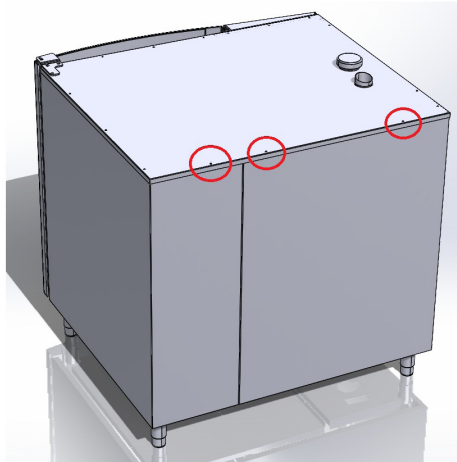


1. Uncrate hood
2. On top of hood, unscrew the perforated hinged door, swing the door open and install the supplied panel filter. Restore all screws.



3. Observe the oven vent pipes and their respective cutouts on hood bottom surface.
4. Facing the back of oven, remove screws on top located at the rear of oven and set aside, see image

Screw locations vary based on oven size. See pages 20 and 21



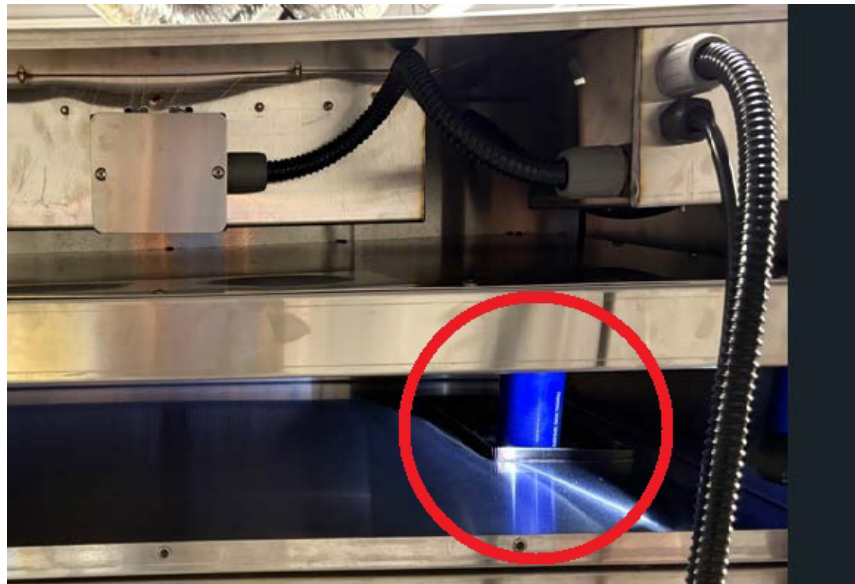
5. Lift the hood and rest it on top of oven and adjust hood so back corners of hood are seated over oven corners.



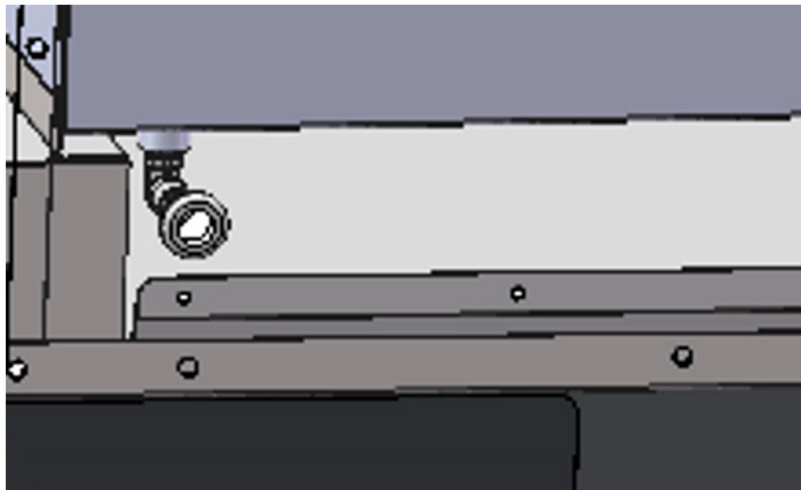
6. Unscrew backwall of hood and remove the backwall.



7. Locate the tube stub on the bottom of the heat exchanger and the corresponding steam vent on the top of the oven.
8. Slide two hose clamps around the blue plastic coupling hose.
9. Install hose over tube stub and the steam vent and clamp the hose at both ends.

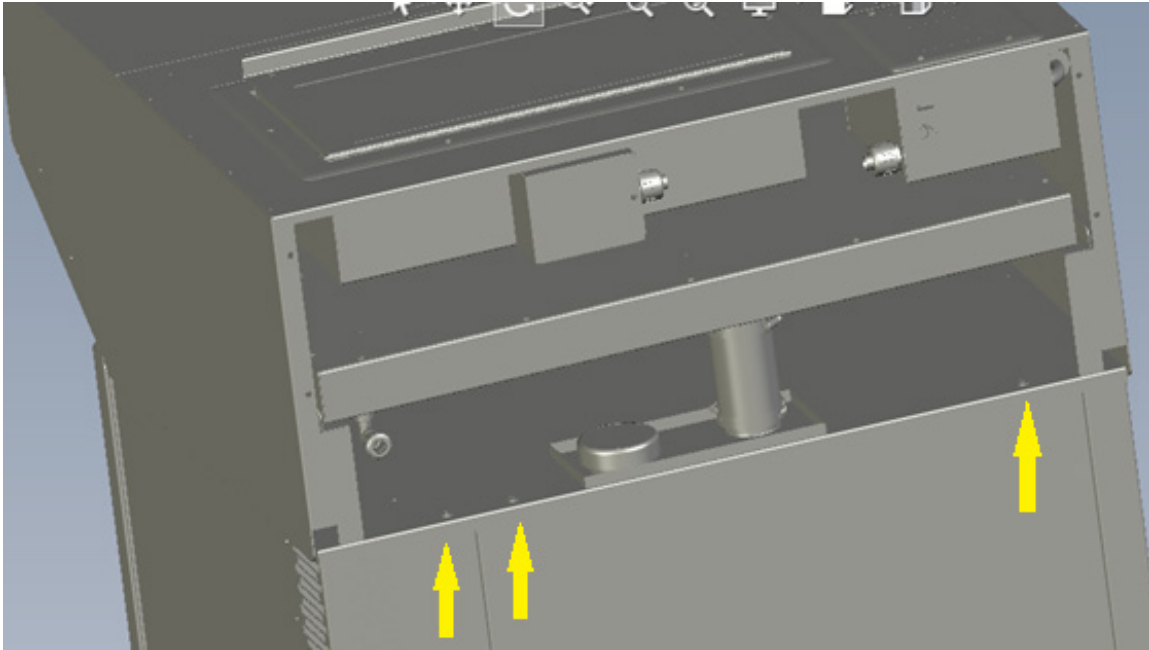


10. Facing back of hood, reinstall screws removed in step 4 and use the supplied silicone rubber washers for each screw. The hood holes and oven should lineup. Tighten screws. See image below for each hood.

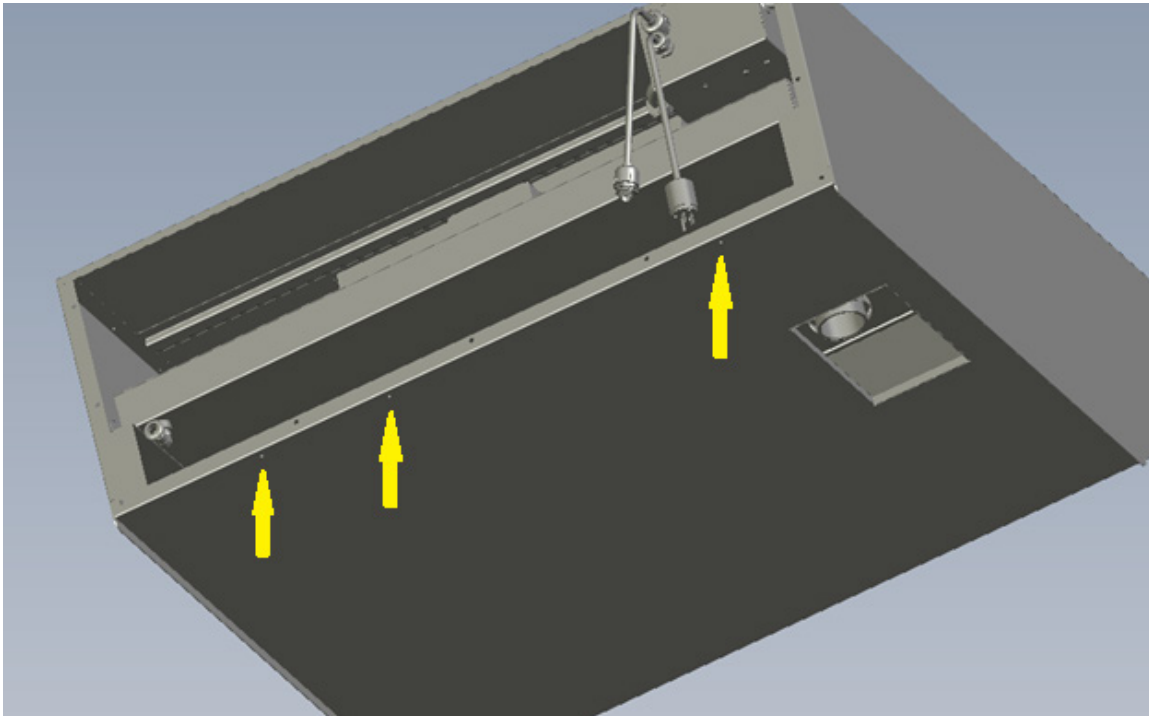


11. Feed the heat exchanger drain tubing through the compression fitting on hood back cover. Push the tube to heat exchanger fitting to snap lock. Tighten compression seal.
12. Reinstall back wall of hood around the perimeter and secure with the screws removed in step 6.
13. Run the communication cable to the oven controls circuit. Contact oven manufacturer for instructions.
14. Move the hood and oven assembly into position. Follow Retigo oven specifications for listed clearance for operation.

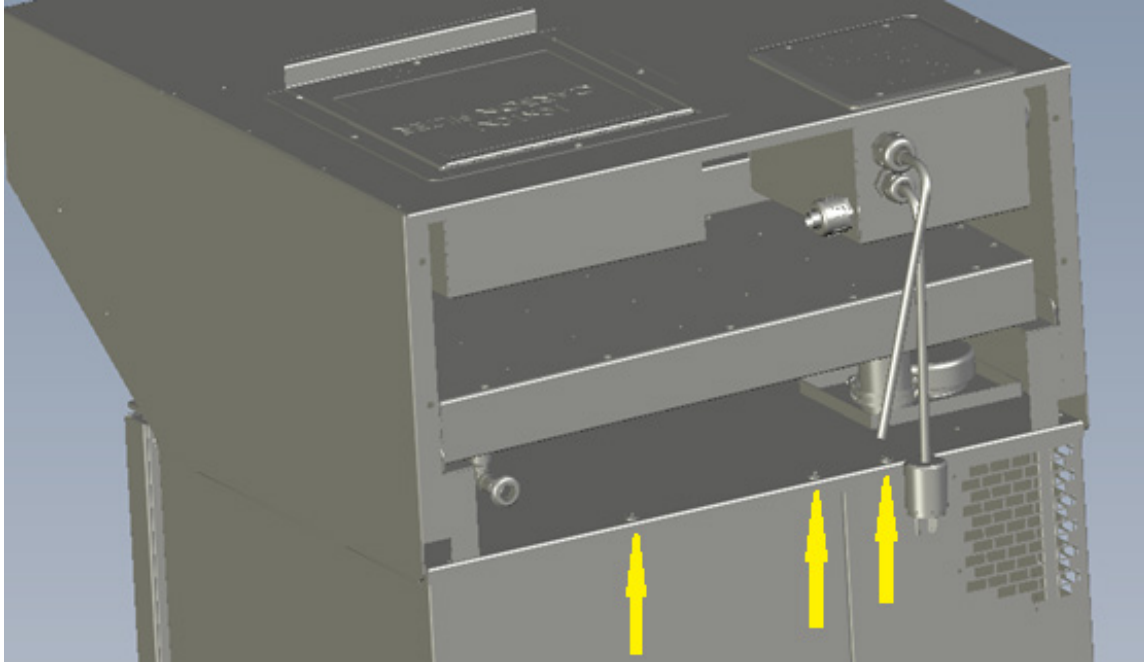
RET-1 Screws location to secure hood to oven



RET-2 Screws location to secure hood to oven

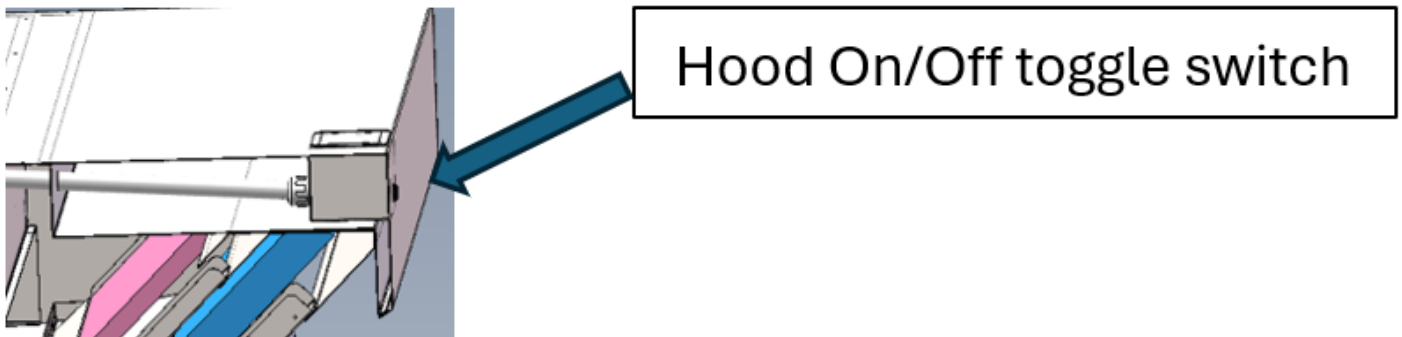


RET-3 Screws location to secure hood to oven



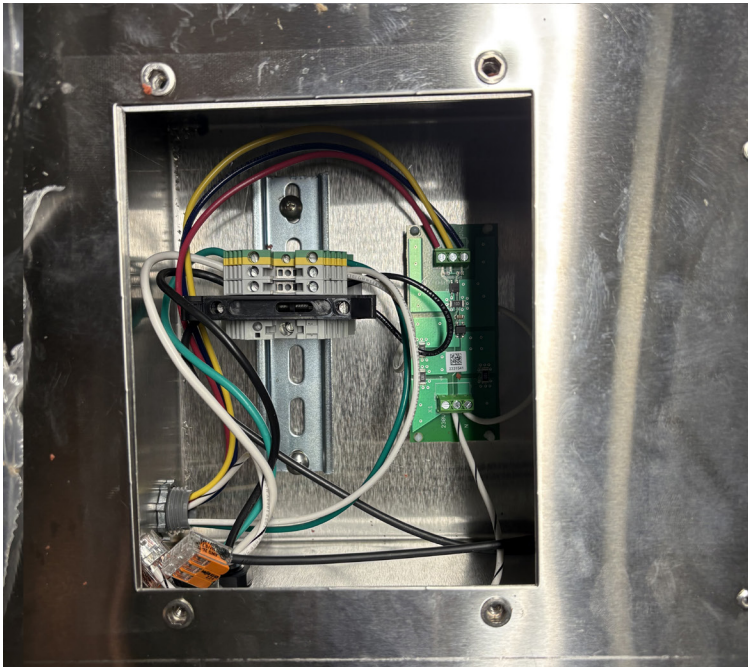
Startup

1. Connect the hood plug to 20 amps 120V single phase receptacle.
2. Press the on/off switch on front face of hood. The hood exhaust fans would start to spin at low speed.
3. Power the oven until its controls boots as displayed on screen.

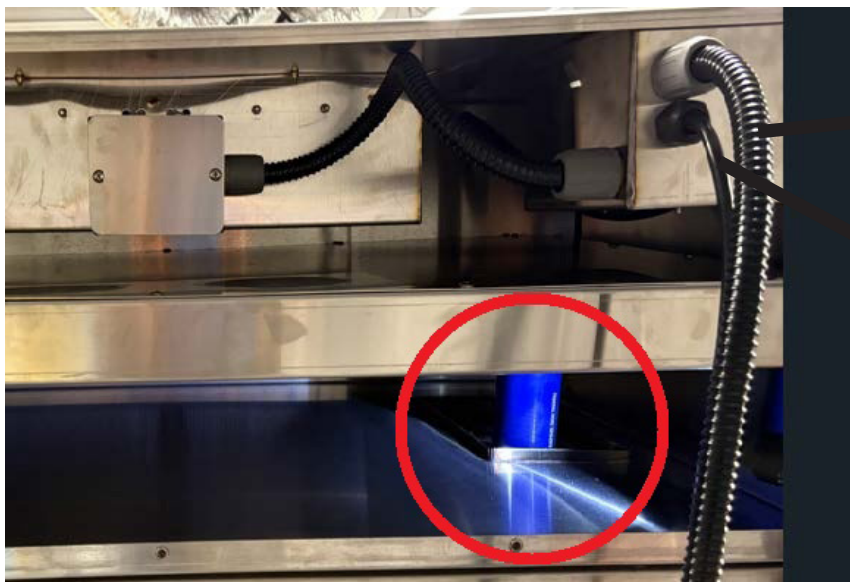


4. If fan fails to run, check troubleshooting section of this manual.
5. Open the oven door, you should hear the hood fan motor ramp up to high speed.
6. Close the oven door, you would hear the hood fan motor revert to low speed.
7. This completes the functional checks of communication of the hood with oven.

Hood exhaust fan(s) is controlled by two contact switches. One switch is the on/off switch on front of hood which must be manually pressed/toggled to "on" position to energize the fans to run at low speed. The second switch is a contact closure sent by the oven to the hood that closes a secondary hood circuit to run the fans at high speed. The fans will not run if the hood switch is in the off position. Fan(s) high speed is only run when the oven is powered and the oven door is open.



HOOD CIRCUIT JUNCTION BOX
ACCESS FROM TOP OF HOOD

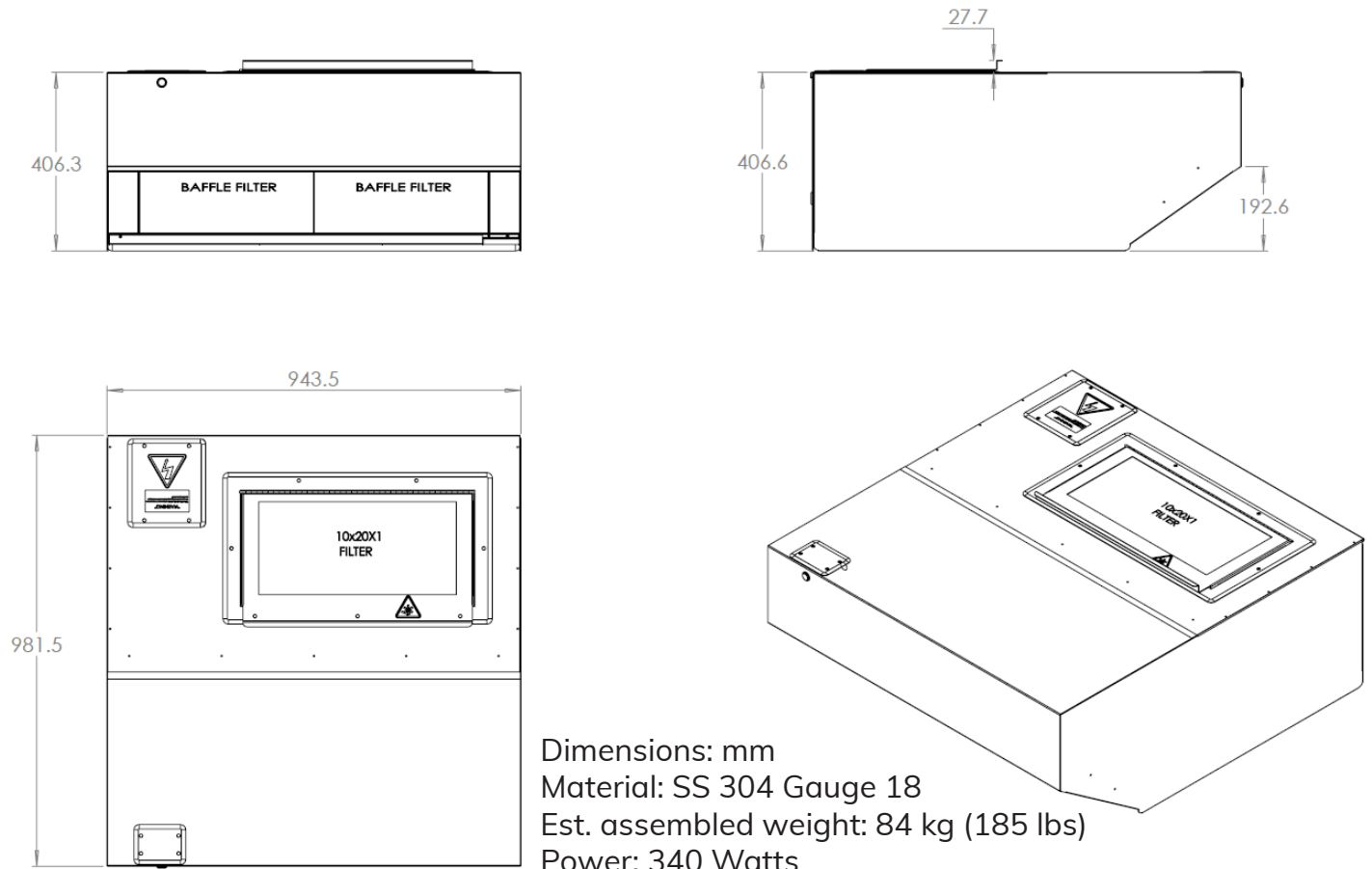


COMMUNICATION CABLE

POWER CORD

Hood Dimensions

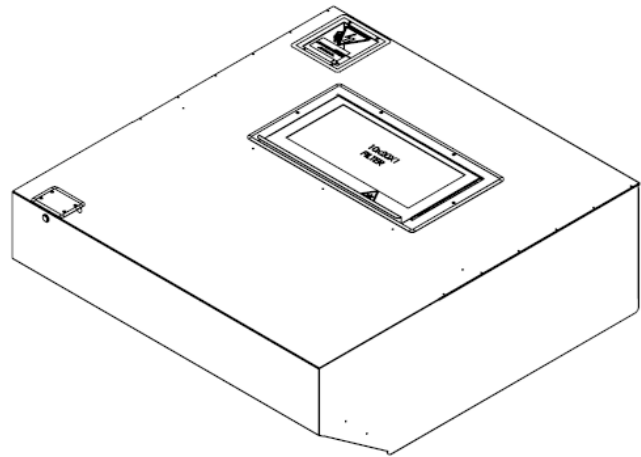
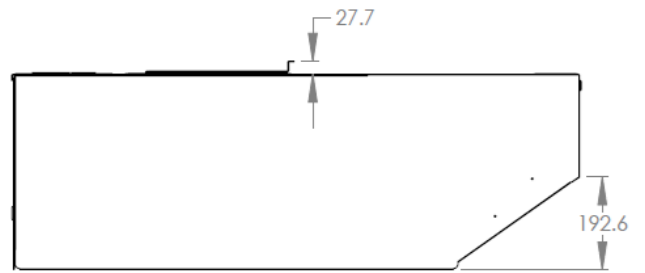
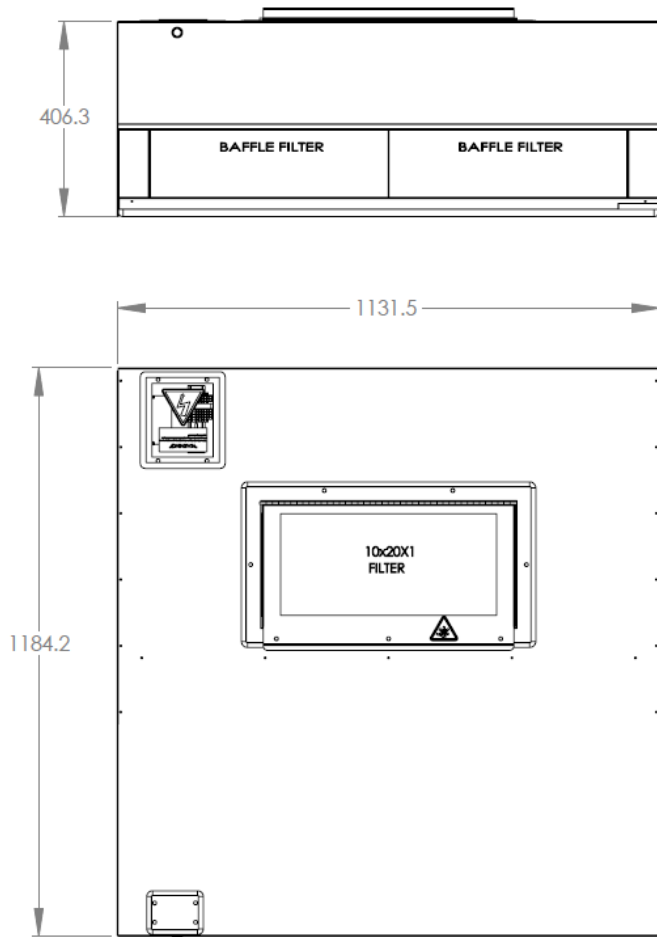
Retigo oven Hood Model RET-1



Dimensions: mm
Material: SS 304 Gauge 18
Est. assembled weight: 84 kg (185 lbs)
Power: 340 Watts
Max/Min exhaust flow: 1020 cfm/515 cfm

Hood Dimensions

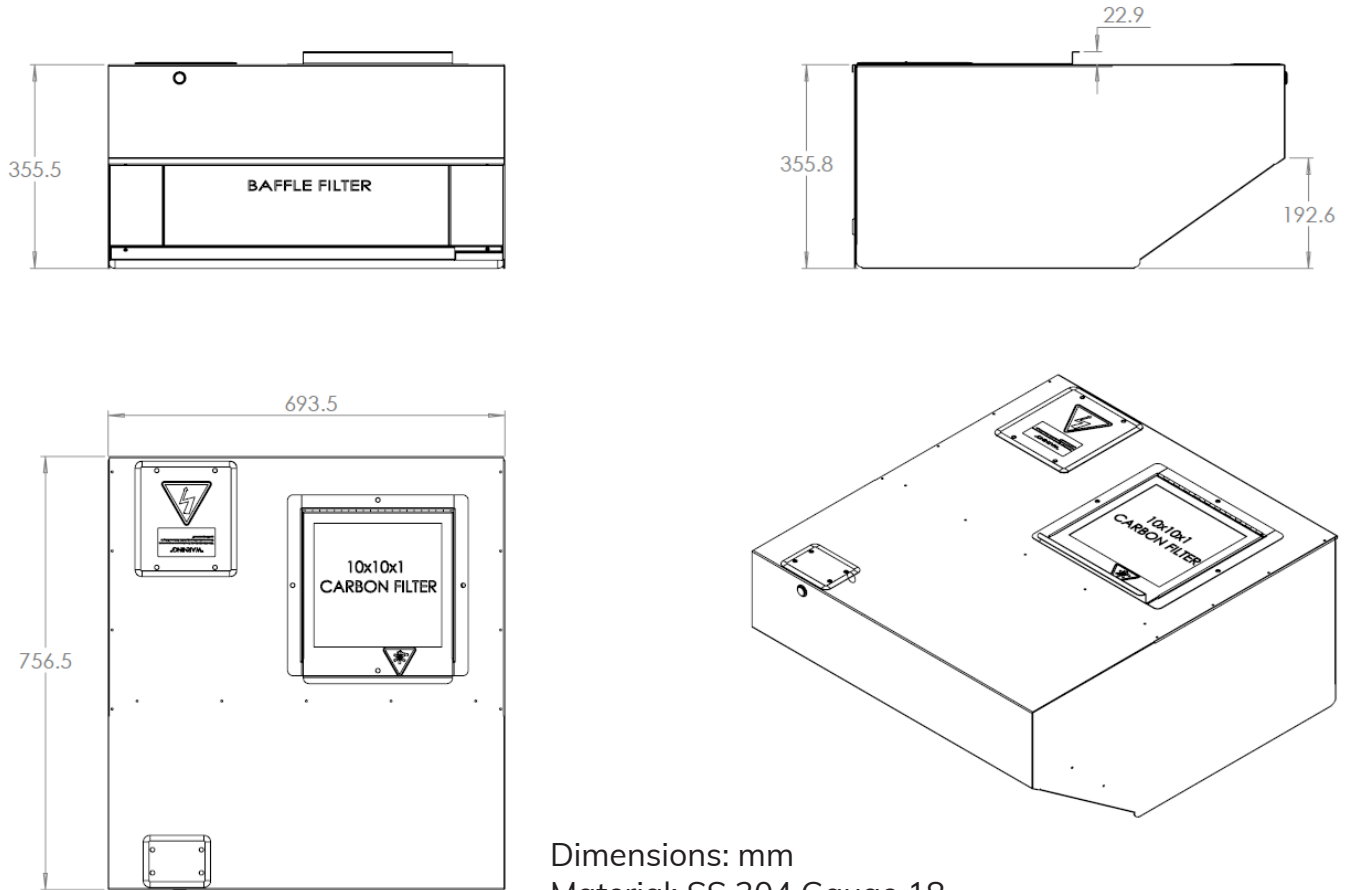
Retigo Oven Hood RET-2



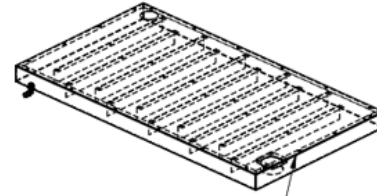
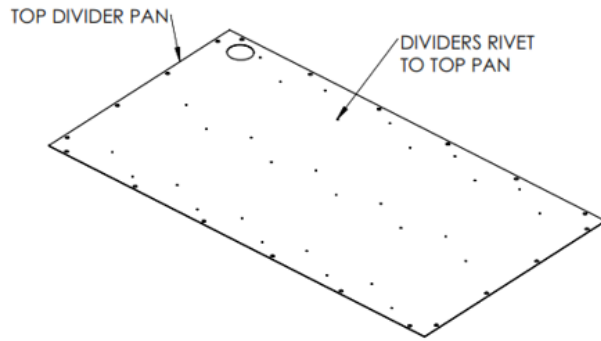
Dimensions: mm
Material: SS 304 Gauge 18
Est. assembled weight: 99 kg (218 lbs)
Power: 340 Watts
Max/Min exhaust flow: 1020 cfm/515 cfm

Hood Dimensions

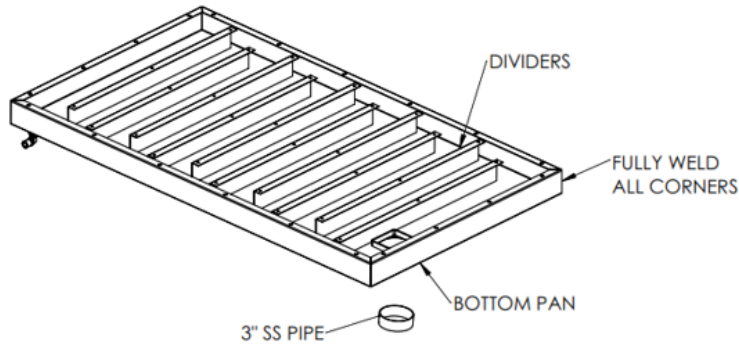
Retigo Oven Hood RET-3



Dimensions: mm
Material: SS 304 Gauge 18
Est. assembled weight: 52.2 kg (115 lbs)
Power: 170 Watts
Max/Min exhaust flow: 510 cfm/258 cfm



NOTE: CAULK THIS SEAM ALL AROUND

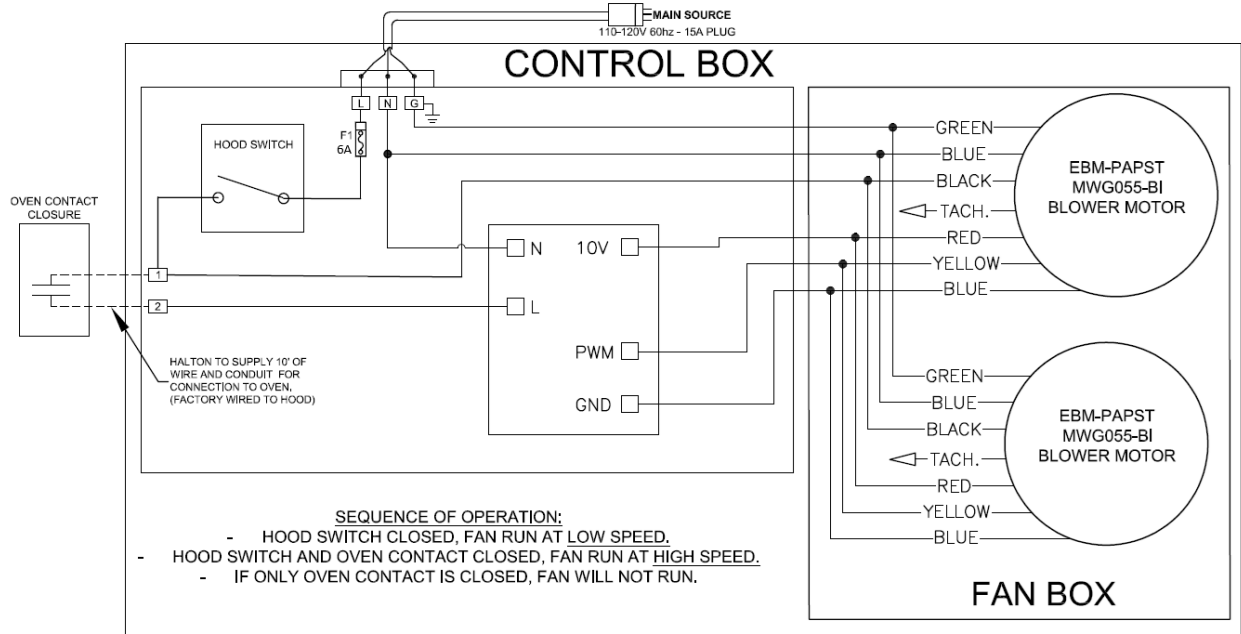


NOTE:
 1. THE TOP DIVIDERS FIT INSIDE THE BOTTOM PAN
 2. CAULK AROUND PIPE AFTER WELDING

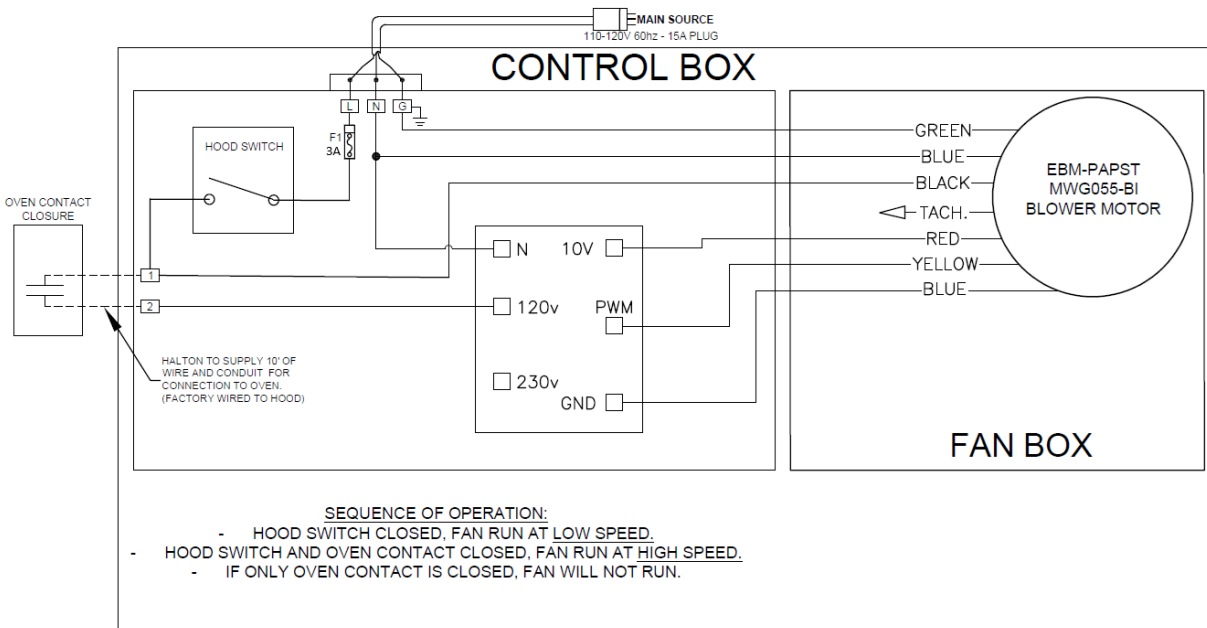
Supplements

Wiring Diagram

RET-1 and RET-2



RET-3



Troubleshooting Guide

| Problem | Possible Cause | Corrective Action |
|--|--|---|
| Hood fans won't run | -Hood power not plugged in -Blown Fuse -Front on/off switch not depressed -Loose wires on terminals | -Plug hood power plug into receptacle. -Replace fuse -Depress switch to on position -Tighten loose terminal screws |
| Hood fans stay running at low speed when oven door is opened | -Faulty oven relay to close hood circuit for high speed. | -Contact oven manufacturer |
| Water leaking around the perimeter of assembly | -Drain tube not installed | -Install drain tube and run to oven drain or floor drain |
| Excessive water pooling inside hood | -Hood condenser not connected to oven vent | -Connect tube between oven vent and condenser inlet |

Exhaust Fan Troubleshooting

Tools Required:

1. Phillips Screwdriver
2. Voltmeter capable of measuring dc voltage, and capacitance
3. Small ladder or step stool
4. Hood Wiring Diagram

Instructions:

1. Insert hood power plug into receptacle and depress on/off safety switch on front of hood. The switch LED ring should light.
2. Turn on the oven.
3. Using Phillips screwdriver, remove the screws of the control box cover on top of hood. Use caution when inspecting the inside of this box, as there is live high voltage. Trouble shooting must be completed with the unit powered.
4. With a Voltmeter, check to be sure 120V is at output side of the fuse. If no voltage is present replace fuse. Do this by placing the positive (red) lead of the multimeter on the bottom screw of the fuse block terminal (side facing rear of oven) and the COM (black) lead of the multimeter on the terminal labeled N (neutral).

Please contact Halton Company for additional troubleshooting.

Parts/Service

Common replacement parts are listed below:

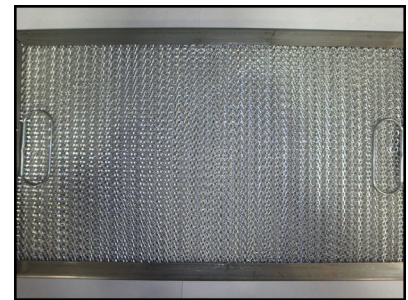
| Part Number | Description |
|-------------|--|
| 11241 | 10" H X 16" W SS TRAPPER FILTER |
| 11242 | 10" H X 20" W SS TRAPPER FILTER |
| 10483 | 12 X 20 X 1 STAINLESS MESH/SS FRAME/BAIL HANDLES |
| 10489 | 12 X 10 X 1 STAINLESS MESH/SS FRAME/BAIL HANDLES |
| 11787 | 220MM EC IMPELLER FAN 100-130V 50/60HZ |
| 11715 | 10" X 10" X 1" CARBON PLEATED FILTER |
| 11790 | 10" X 20" X 1" CARBON PLEATED FILTER |
| 13668 | FUSE 6 AMP BUS ABC-5 250V |
| 11232 | FUSE 3 AMP BUS ABC-5 250V |



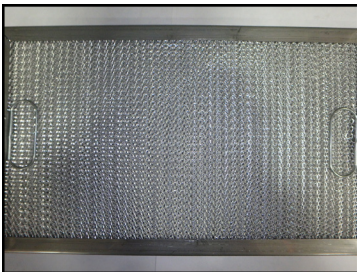
11241 10" H X 16" W SS TRAPPER FILTER (Representative)



11242 10" H X 20" W SS TRAPPER FILTER (Representative)



10483 12" X 20" X 1" STAINLESS MESH/SS FRAME/BAIL HANDLES



10489 12" X 10" X 1" STAINLESS MESH/SS FRAME/BAIL HANDLES



11787 220MM EC IMPELLER FAN 100-130V 50/60HZ



11715 10" X 10" X 1" CARBON PLEATED FILTER



13668 FUSE 6 AMP

11232 Fuse 3 AMP

If questions or complications arise during the installation or operation of the Hoods that cannot be solved using the instructions, please contact your Halton Company representative.

Halton Company
 101 Industrial Dr
 Scottsville, KY 42124
 Toll Free: 1-800-4Halton

Maintenance

Weekly Maintenance

Depress on/off safety switch on front of hood. Remove Baffle and Mesh Filter. Lift filters up out of the bottom track. Pull bottom of filter out and pull down. Spray filters with Sink Detergent Solution. Completely soak filters with Sink Detergent Solution. Wash filters in Sink. Rinse filters thoroughly in sink. Let filters air dry.

Remove filter rack tray that the filter bottoms sit in. Wipe grease out of the tray and wash using the same process as the filters. Be aware tray edges may be sharp. Allow the tray to dry and reinstall in the hood before reinstalling the filters.

The Hood should be wiped with a soft cloth or sponge and soapy water or degreaser. Do not use harsh or abrasive cleaners on stainless steel surfaces. Wipe down exterior surfaces. Use a rag to remove interior moisture from all surfaces you can reach, using caution as some edges may be sharp.

Reinstall Baffle and Mesh Filters. Slide top of filter into rack and push bottom of filter into track. Push down into track to seat filter.

Quarterly Maintenance

The Charcoal or panel Filter on top of the hood should be replaced quarterly. Over time the panel filter becomes less effective at removing odors. Ensure that the hood is turned off and the exhaust fan is not running before proceeding. Remove the screw(s) securing the hood perforated discharge panel, lift the hinged access door and slide the panel filter out. Slide in a new filter taking note of the airflow direction arrow shown on the side of the filter. Arrow should point up out of the hood. Re-secure filter access panel with screw(s).

Non-Routine Maintenance

Fuse Replacement

The 2A and 3A fuses may be replaced if necessary. The following steps will guide the repair technician through this process.

Tools Required:

1. Phillips screwdriver
2. 3mm Flat Screwdriver
3. Small ladder or stepstool
4. Hood Electrical Drawing

Instructions:

1. Disconnect the hood from the power source
2. Using Phillips screwdriver, remove the screws of the control box cover on top of hood.
2. Lift open the black fuse holder, allowing the top portion to swing up and away from the base.
3. Replace the burnt fuse with a new one and close fuse holder.
4. Reinstall the control panel cover and secure with screws.
5. Reconnect hood power source

Hood Control Board Replacement

The control board may be replaced if necessary. The following steps will guide the repair technician through this process.

Tools Required:

1. Phillips screwdriver
2. 3mm Flat Screwdriver
3. Small ladder or stepstool
4. Hood Electrical Drawing

Instructions:

1. Disconnect the hood from the power source
2. Use the Phillips screwdriver to remove the screws and open the control panel access door on top of the hood
3. Note the orientation of the control board in control box and on the wiring diagram
4. Unscrew the terminals with a #1 flathead screwdriver and remove the wires. White wire is under terminal "N", red wire is under terminal "120V". On the other side of the board blue is "GND", yellow is "PWM" and red is "10V".
5. Lift the control board off of the plastic standoffs by squeezing the top of the standoff gently.
6. Install the new control board by pressing it onto the standoffs and reconnect the wires to the terminals in the correct locations
7. Reinstall the control panel access lid with screws
8. Reconnect hood power source

Fan(s) Replacement

The exhaust fans may be replaced if necessary. The following steps will guide the repair technician through this process.

Tools Required:

1. Phillips Screwdriver
2. #10 wrench or nut driver (Use M6 screw)
3. Hood Wiring Diagram
4. Scissors or wire cutters to remove zip ties
5. Plastic zip ties or wire ties
6. Small ladder or stepstool

Instructions:

1. Disconnect the hood from the power source.
2. Use the Phillips screwdriver to remove the screws and open the fan/filter access door on top of the hood.
3. Lift the entire fan/filter box out from the hood.
4. Use caution to avoid putting strain on the conduit connecting the assembly to the control panel.
5. A junction box is located on the left side of the box when looking at the hood from the front. This side will need to be angled down to lift the box clear of the hood.
6. Use a Phillips screwdriver to remove the cover from the junction box on the side of the fan box.
7. Cut any plastic zip ties securing the wiring together.
8. Label the wires and use the wiring diagram describing which wires need to connect where.
9. Disconnect the wires going into the fan box.
10. Use the Phillips screwdriver to remove the screws on the side of the box securing the fan bracket.
11. Use the #10 wrench or nut driver to remove the bolts securing the fan to the fan bracket.
12. Attach the new fan to the bracket the bolts removed in the previous step.
13. Reinstall the fan bracket into the fan box.
14. Push the fan around with a finger to ensure that it is not rubbing and can spin freely.
15. Adjust as needed to ensure fan can spin freely.
16. Reconnect the fan wires inside the junction box per the wiring diagram.
17. Secure the wires with the zip ties.
18. Ensure all wires are inside the junction box and close junction box.
19. Hook the junction box under the edge of the hood in the opposite motion used to remove in step 4.
20. Re-secure fan box to hood
21. Reconnect hood to power source.

HALTON LIMITED WARRANTY

Halton ("Manufacturer"). Warrants only to its direct purchasers and to no others, that all products manufactured by the Manufacturer shall be free from defect in materials and workmanship for a period of twelve (12) months from the date of the original installation and start-up or eighteen (18) months from date of shipment, whichever occurs first. All products sold but not manufactured by Manufacturer will be warranted for a period of twelve (12) months from date of shipment.

For products manufactured by the Manufacturer we agree to pay any reasonable labor costs necessary to repair or replace, at Manufacturers option, defective parts or materials for a period of twelve (12) months from date of original installation and start-up or eighteen (18) months from date of shipment, whichever occurs first. All labor costs subject hereto shall be performed during standard work hours at straight-time rates.

For products sold but not manufactured by the Manufacturer we agree to pay any reasonable labor costs necessary to repair or replace, at Manufacturers option, defective parts or materials for a period of (90) days from date of original installation and start-up or (12) months from date of shipment, whichever occurs first. All labor costs subject hereto shall be performed during standard work hours at straight time rates.

All warranty claims that include labor requires pre-approval by Halton. Halton, at its discretion, will authorize field warranty work through its own service network or certified third party. No claims for labor charges will be approved for payment if work commences without prior authorization by Halton.

Purchaser shall pay incurred premium labor charge, including overtime, weekends and holidays. Travel time, service charges, miscellaneous tools, material charges, and labor charges resulting from inaccessibility of equipment will not be paid by Manufacturer.

This LIMITED WARRANTY SHALL APPLY ONLY to products that have been installed and maintained in accordance with the installation and Care Instruction Manuals. Purchaser shall be solely responsible for adhering to the instructions and procedures set forth in the said instruction manuals.

This LIMITED WARRANTY SHALL NOT BE APPLICABLE to any damage or defect resulting from fire, flood, freezing or any Act of God, abuse, misuse, accident, neglect or failure to adhere to all instructions set forth in the installation and Care Instruction Manuals. Furthermore, this limited warranty shall not apply to any product that has been altered, unless such alteration has been approved in writing by a duly authorized representative of the manufacturer. In no event shall the manufacturer be liable for any loss, expense, personal injury or consequential damage, of any kind or character, as may result from a defect in material, and/or workmanship, however caused.

EXCEPT AS IS EXPRESSLY SET FORTH IN THIS LIMITED WARRANTY, MANUFACTURER MAKES NO WARRANTY OF MARKETABILITY FOR FITNESS OR ANY PARTICULAR PURPOSE. NEITHER DOES MANUFACTURER MAKE ANY WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS SOLD BY MANUFACTURER OR AS TO THE USE THEREOF.

Continuous product improvement is a Halton policy, therefore specifications and design are subject to change without notice.

Halton Company

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