



ECOVENT

EXHAUST TREATMENT SYSTEM

INSTALLATION MANUAL

320120953P



FOODSERVICE
SYSTEMS



FRANKE

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SECTION 2	INSTALLATION
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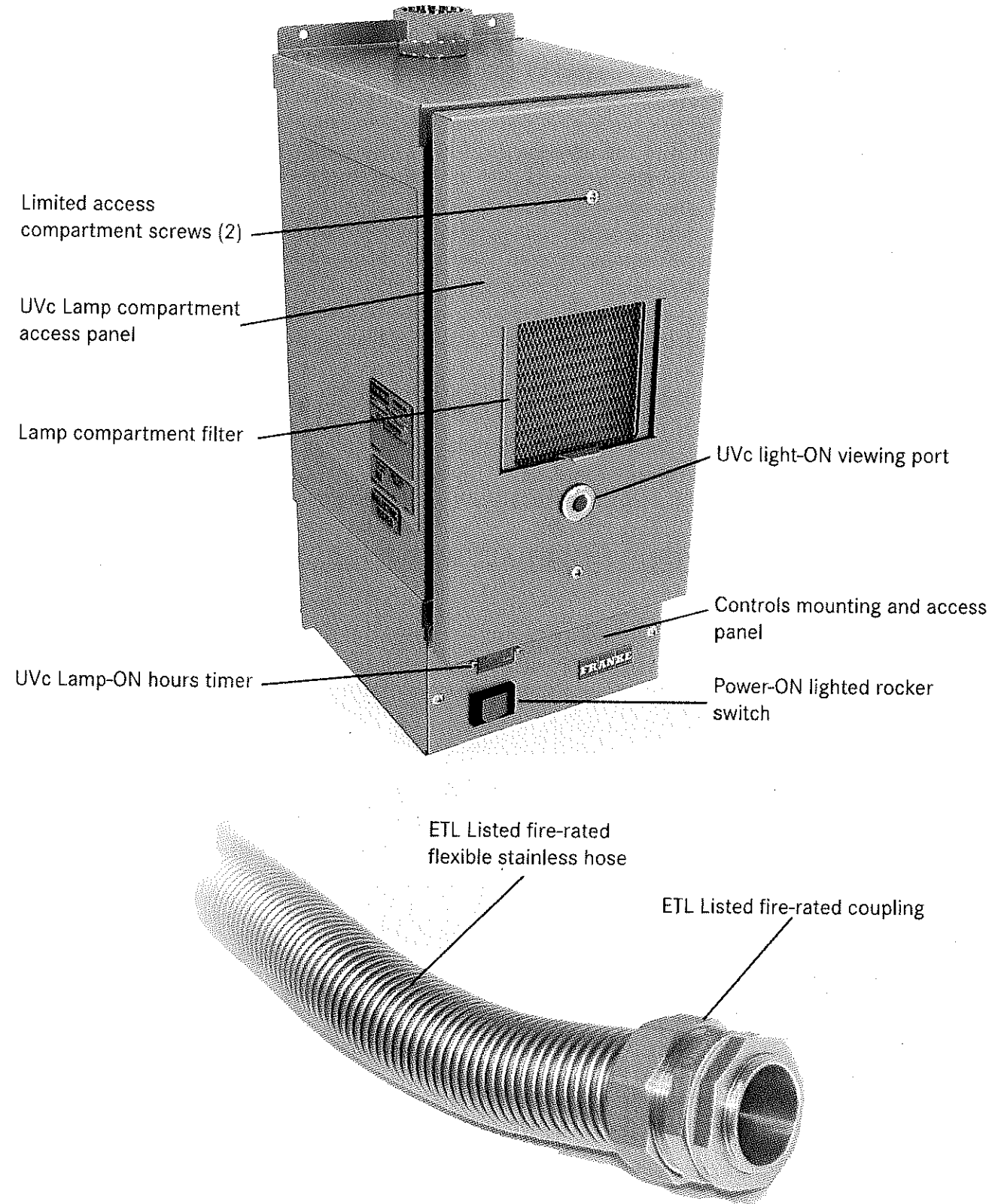
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1.1: KEY COMPONENTS



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IMPORTANT READ FIRST

1.2: GENERAL

1. This operating manual contains important instructions and safety information on the Franke EcoVent exhaust odor reducing system. Read and understand all the contents of this manual before attempting to Install, Operate, Clean or perform routine preventative maintenance.
2. The EcoVent is designed to use ultraviolet light UV(C) to generate ozone (O³) that reduces most cooking odors not eliminated by conventional hood filters or Franke Cascade™ high-efficiency filters. Franke authorizes no other use of this product.
3. The EcoVent system must be used in conjunction with and part of approved Type 1 Ventilation Hoods and exhaust systems properly sized, installed and air-balanced to the heat and effluent load produced by the cooking equipment positioned under the exhaust hood.
4. The EcoVent system is designed for installation in new or existing commercial kitchen ventilation systems that properly exhaust to the outdoors and meet all national, state and local building and fire protection codes.
5. Only persons over 15 years old may operate this equipment, following all safety and operating instructions.
6. The A-rated equivalent continuous sound [pressure] level at the [EcoVent] enclosure workstation for operating personnel is below 70 decibels.
7. Always disconnect the electric power to this unit before performing any maintenance.

1.3: READ, UNDERSTAND & OBEY ALL WARNINGS, CAUTIONS AND NOTES:

EcoVent Installation

1. This equipment must be installed by qualified personnel, in compliance with all manufacturer instructions and local building, electric and fire protection codes.

CAUTION!



This unit is heavy and weighs 51 lbs. (23 kg.) in the carton. Obtain help when lifting unit out of the carton; or lifting the unit into position for mounting on or adjacent to the ventilation hood.

IMPORTANT



If installing the EcoVent System in an existing kitchen, have the exhaust duct system cleaned by professionals prior to installation.

1.4: DURING STORE CLOSING PROCEDURE

Turn off all grills, fryers and other cooking equipment positioned under the hood and allow them to cool down before turning off the UVC Exhaust Air Cleaner.

1. This unit must not be cleaned with a high-pressure water jet or steam cleaner.
2. When cleaning EcoVent cabinet, only use a damp cloth with Cleaning and Sanitizing Agents approved by customer headquarters and specified for this application and use in their restaurants.

1.5: DURING PREVENTATIVE MAINTENANCE.

WARNING!!!



Electrical Shock Hazard! Disconnect power before servicing. Replace all parts and panels before operating. Failure to do so can result in electrical shock, burns or death

CAUTION!



Make sure all cooking equipment, the exhaust hood and EcoVent System have been turned off and allowed to cool. Hot equipment can cause burns.

CAUTION!



Use a step ladder or other stable work platform to provide easy access to the UVC lamp cabinet. DO NOT stand on cooking equipment to service the EcoVent. Falls can cause serious injuries.

WARNING!!!



This unit emits low levels of ozone into the exhaust duct. If improperly used by unqualified personnel extended exposure to ozone can result in irritation. The following guidelines must be followed: Use in a room having a minimum volume of 100 cubic feet.

When Troubleshooting & Providing Service

- 1. Authorized “troubleshooting” of the EcoVent Exhaust Odor Reducer is limited to the steps and procedures outlined in this manual for restaurant personnel
- 2. For any other service or performance problem not covered, contact: Franke Technical Support at the number listed in Section 6, Troubleshooting
- 3. All service or repair work must be done by a licensed professional trained and authorized to perform service on Franke products.
- 4. Any work performed on the ventilation hood, exhaust vents or rooftop components, including: cleaning, system balancing, routine maintenance and repairs, must be done by a licensed ventilation or HVAC professional.
- 5. If the unit power cord is damaged, the EcoVent must be unplugged immediately and the damaged power cord replaced by a qualified electrician, before returning the unit to service.
- 6. Only factory authorized repair parts may be used when servicing this unit.

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2.1: INSTALLATION INSTRUCTIONS

This document covers installation of the EcoVent unit, its flexible stainless steel connecting hose and electric power connection.

IMPORTANT



Installation of the Ecovent Exhaust treatment system must be completed by bonded HVAC ventilation system contractors or employees trained and qualified to do ventilation hood and exhaust system installation.

Electric work must be performed by licensed and bonded contractors in accordance with the current National Electric Code and all national, regional and local codes that apply.

All work must conform to local and national building codes and requirements.

Read and review these instructions BEFORE attempting to install this unit. For best results, follow the installation sequence as described on the following pages.

2.2 WORK AREA PREPARATION

Make sure all cooking equipment is OFF and cool. Disconnect and move any caster mounted equipment under the hood that has quick-disconnect utility fittings. If cooking equipment can not be moved, cover that equipment.

Make sure the ventilation hood and fans are OFF and disconnected at the breaker.

IMPORTANT



If installing the EcoVent System in an existing kitchen, have the exhaust duct system cleaned by professionals prior to installation.

2.3: SIZING GUIDE

The capacity of EcoVent to effectively treat exhaust emissions and grease odors is dependent on the appliance and air flow. Heavy grease load appliances may increase the need for additional units to be installed. Using the chart below, determine the grease load and CFM range of exhaust hood to select the proper installation. If hoods in a series are manifolded into a common duct, select units based on total airflow.

TABLE 2.3.1

CFM Range	M³H Range	Heavy Grease Load* (units required)	Light Grease Load** (units required)
100-600	170-1020	1	1
601-1200	1021-2040	2	1
1201-1800	2041-3060	3	2
1801-2400	3061-4080	4	2
2401-3000	4081-5100	5	3
3001-3600	5101-6120	6	3

*Heavy Grease Load = More than half of the length of the hood is covering heavy grease appliances.

**Light Grease Load = More than half the length of the hood is covering light grease appliances.

TABLE 2.3.2

Equipment Description	Grease load type
Braising pan / tilting skillet	Heavy
Broiler gas/electric	Heavy
Char-broiler wood/charcoal	Heavy
Cheese melter / toaster	Light
Convection oven	Light
Fryer (pressure or open)	Heavy
Griddle/Grill (flat or clam)	Heavy
Holding cabinets	Light
Kettle	Light
Oven	Light
Pasta cooker	Light
Pizza oven	Light
Prep tables, dump stations	Light
Range top	Heavy
Rotisserie broiler	Heavy
Salamander Broiler	Light
Steamer	Light
Wok	Heavy

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2.4: HOSE INSTALLATION KIT

The EcoVent is connected to the exhaust duct using a stainless steel, flexible hose and brass coupling. The hose and coupling have been tested to the UL710 standard for fire leakage. They are ETL listed as an approved grease duct penetration device for use with the EcoVent system. The installation kit includes a length of stainless hose and one brass coupling. The other brass coupling ships with each Ecovent unit.

Since the EcoVent requires a certain amount of negative air pressure to operate, the further away the EcoVent is placed - the higher the pressure requirement. The table below lists the pressure and/or velocity required at the location where the flexible hose and brass coupling enters the exhaust duct or duct transition. Slightly higher velocity or static pressure may be required if flexible hose has multiple bends or turns.

Measure the distance between the desired mounting location and the point where the flexible hose will connect to the grease duct. Add 6" (150mm) for each 90 degree bend. Select the proper hose kit from the list below. Note the static pressure and or air velocity needed to operate the unit with each kit. The flexible hose should always slope downward towards connection point on duct with no sags..

TABLE 2.4.1			
Hose length	Velocity or pressure required where tube enters duct		Hose installation kit part number*
	Velocity	Static Pressure	
19" (0.5 meter)	600 fpm (3.05 m/s)	0.17" wc (42 Pa)	See section 7.2
39" (1.0 meter)	675 fpm (3.43 m/s)	0.21" wc (52 Pa)	See section 7.2
59" (1.5 meter)	750 fpm (3.81 m/s)	0.23" wc (57 Pa)	See section 7.2
78" (2.0 meter)	800 fpm (4.06 m/s)	0.29" wc (72 Pa)	See section 7.2



IMPORTANT

Only hose and fittings specified in installation kit may be used. Substituting hose or fittings will void factory warranty , may not comply with local fire codes and may pose a safety hazard.

* Installation Kit includes one length of stainless steel hose and one attachment fitting assembly. The other attachment fitting assembly ships with the Ecovent unit.

Note: In order to attach the retainer nut, access to the inside of the duct is need where the delivery hose will attach to the exhaust duct. This may be achieved through the inside of the hood or through an approved grease duct access door.

Note: Stainless steel flexible Hose and brass couplings are ETL tested to UL 710 Fire Leakage test standard and are an approved grease duct connection with the Ecovent grease and odor mitigation system.

2.5: IDENTIFY MOUNTING LOCATION

The EcoVent is designed for flexible mounting options allowing the unit to be positioned:

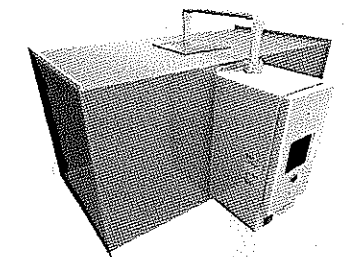
- Directly to a grease duct (picture 2.5.1)
- Mounted to the end of a canopy hood (picture 2.5.2)
- Wall-mounted to the left or right of a proximity or canopy hood (picture 2.5.3)

The EcoVent introduces low levels of ozone into the exhaust duct through an ETL Listed 1.5"Ø (38mm Ø) ID flexible stainless steel hose that is connected to the unit. To maximize the amount of time ozone interacts with grease particles, the inlet tube should penetrate the exhaust duct as close as possible to the exhaust collar on the hood, but not penetrate the hood itself.

Mounting Options

For best results:

- The Ecovent unit should be mounted as close to the duct penetration or exhaust collar as possible.
- Duct penetration should also be made as close to the ventilation hood as possible
- The top of the Ecovent should be mounted slightly higher than the duct inlet connection, providing a continuous downward slope for the flexible hose with no sags. This will prevent water from flowing into the UVC lamp compartment.
- When selecting the mounting location, keep in mind that a certain amount of velocity is needed inside the exhaust duct at the point where the Ecovent flexible stainless hose will be attached. As the length of stainless hose increases, so does the required velocity inside the duct. (refer to chart 2.4.1)



PICTURE 2.5.1



PICTURE 2.5.2



PICTURE 2.5.3

IMPORTANT



Ensure that you have the correct hose installation kit before you start installation (see section 2.4)

- When mounting EcoVent to hood fascia, ensure panel can support the weight (43 lbs/ 19.5.6 kg) of unit.
- When wall mounting adjacent to hood, make sure there is unobstructed wall space and easy access to the EcoVent lamp cabinet.
- When mounting to wall, make sure that wall structure is sufficient to support weight of unit. Hanging hardware should be sufficient for wall structure and weight of unit.

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2.6: UNPACKING THE ECOVENT UNIT

- 1 - Carefully remove the Ecovent unit from its box by firmly gripping the top and bottom of the unit and gently pulling the unit upwards.

CAUTION!



This unit is heavy and weighs 51 lbs. (23 kg.) in the carton. Obtain help when lifting unit out of the carton; or lifting the unit into position for mounting on or adjacent to the ventilation hood.

- 2 - Peel off the protective white plastic film from all stainless steel surfaces.
- 3 - Use a M5 Allen screwdriver to remove the two screws located on the lamp compartment access panel. There is one below and above the filter. (see picture 2.6.1)
- 4 - Remove the cover and set it aside. (see picture 2.6.2)

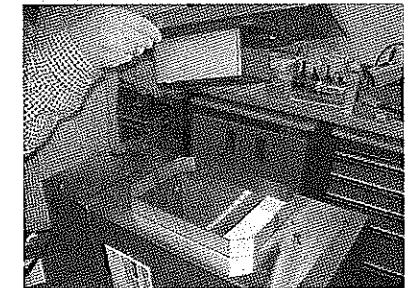


PICTURE 2.6.1

CAUTION!



The lamp compartment access cover is heavy. Use caution when removing or handling. Dropping it could crush toes and/or damage the UV light baffle system.



PICTURE 2.6.2

- 5 - Stand the unit upright. Locate the two foam packing pieces protecting the U-shaped UVC lamp – one in the front of the lamp and one in the back of the lamp. These pieces may be left in place until the unit is mounted to help protect the bulb from damage. Foam pieces **MUST** be removed prior to operation. (see picture 2.6.3)



PICTURE 2.6.3

2.7: POSITIONING & MOUNTING

NOTE: If mounting the Ecovent flush with a false ceiling, remove ceiling tiles above location.

CAUTION!



This unit is heavy and weighs 51 lbs. (23 kg.) in the carton. Obtain help when lifting unit out of the carton; or lifting the unit into position for mounting on or adjacent to the ventilation hood.

- 1 - Lift and hold Ecovent in its designated mounting position (See Section 2.5 – Identify Mounting Location). Verify that lamp box is level and plumb with a level, then mark location of the four holes, two each in the top and bottom mounting flanges.
- 2 - Remove unit and set it aside.
- 3 - Use a power drill and material-appropriate bit to drill mounting holes in the hood fascia or rear wall, per fastener requirements.
- 4 - Reposition EcoVent and secure to hood fascia or wall with material and weight-appropriate fasteners.

CAUTION!



When positioning and mounting EcoVent,
DO NOT drill into exhaust hood.

CAUTION!



Do not mount unit in horizontal position.

CAUTION!



Required clearances when mounting:
36” clearance to front
8” clearance to bottom

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2.8: ASSEMBLING & INSTALLING FLEXIBLE HOSE

CAUTION!



Must use flexible hose and coupling from Franke. Failure to do so will void warranty and may pose safety hazards.

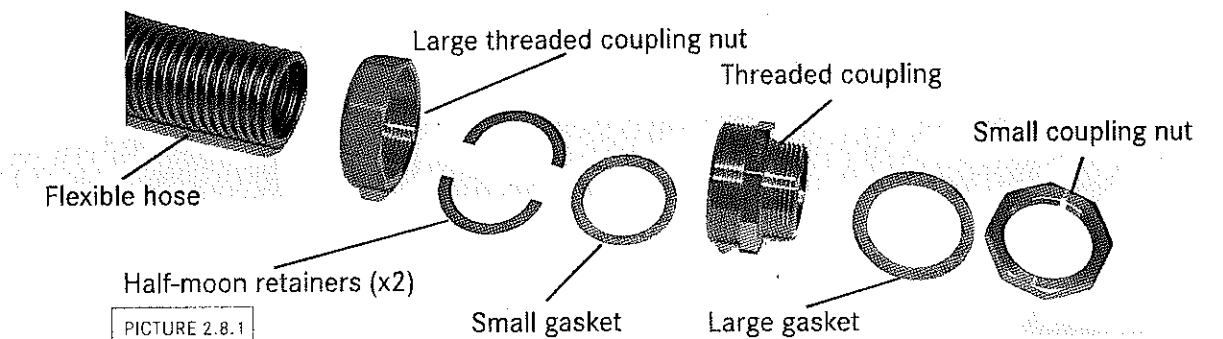
IMPORTANT



Locate duct inlet hole in a location where it is accessible from the inside of the duct to facilitate lock coupling nut tightening. If needed, remove hood filters to access interior of the duct connection.

1 - Use a power drill with hole cutter to make a 1.875" (48 mm) diameter hole in the exhaust duct or duct transition. (Tip: If a pilot hole was drilled to measure air pressure at the proposed point of connection, use hole cutter to eliminate that smaller penetration.)

2 - Assemble and attach both flexible hose coupling ends as follows (refer to picture 2.8.1)



Slide large threaded coupling nut over flexible hose, open treads facing out. (picture 2.8.2)



PICTURE 2.8.2

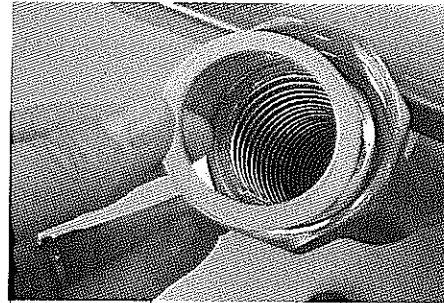
Holding flexible hose end vertical, place the two half-moon retainers around the end of flexible hose just below the last ring or rib on the flexible tubing. (picture 2.8.3)



PICTURE 2.8.3

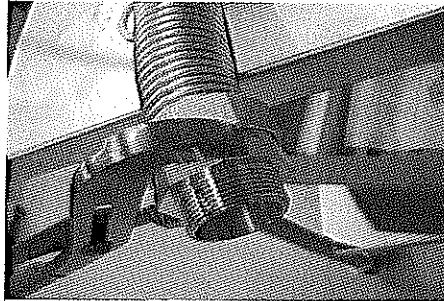
2.8: ASSEMBLING & INSTALLING FLEXIBLE HOSE (CONT)

Slide the large threaded coupling nut to the half-moon retainers and insert the small gasket inside the nut and against the flexible hose end. (picture 2.8.4)



PICTURE 2.8.4

Screw small end of threaded coupling into the large threaded coupling nut. Seat and tighten coupling using large channel lock pliers (picture 2.8.5)



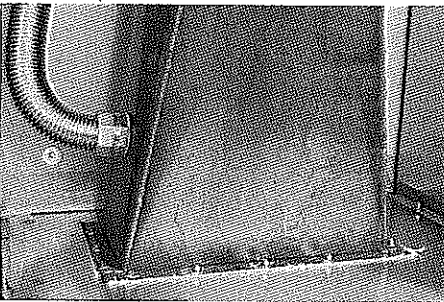
PICTURE 2.8.5

Place (1) large gasket over the exposed end of the threaded coupling. (picture 2.8.6)



PICTURE 2.8.6

Insert threaded end of coupling (with gasket) through the hole in the duct/transition or knockout in the top of the EcoVent compartment. (picture 2.8.7)



PICTURE 2.8.7

Reach through the hood or duct access door. Thread small coupling nut and tighten with large channel lock pliers. (picture 2.8.8)



PICTURE 2.8.8

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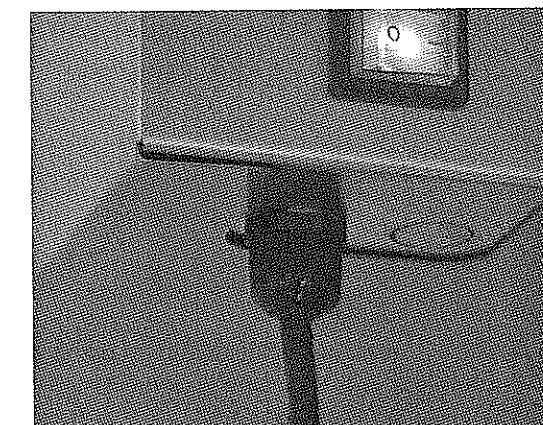
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2.9: COMPLETE ELECTRIC POWER CONNECTION

The Ecovent ships from Franke with a 10' (3 m) power cord with strain relief and moisture-grease resistant seal.

Provide electric power and connection via the power cord provided, per Ecovent Data Plate rating, and as follows:

For electrical specifications, see section 7.1



PICTURE 2.9.1

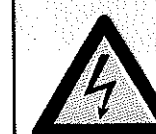
WARNING!!!



Electrical Shock Hazard! Electrical connection should be completed by a qualified electrician.

Electrical connection to building wiring system must be performed per local electrical code. Improper connection can result in malfunction and/or risk of electric shock.

WARNING!!!



Electrical Shock Hazard! Disconnect power before servicing. Replace all parts and panels before operating. Failure to do so can result in electrical shock, burns or death.

For Ecovent Models - 90-120VAC/1 phase/50-60 Hz power, make connection to kitchen electrical circuit per local electrical code.

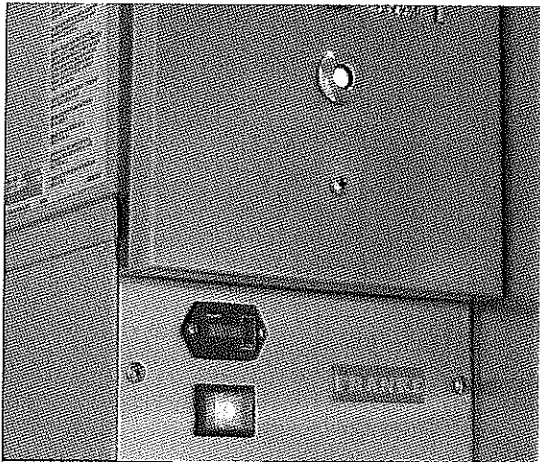
For Ecovent Models - 220-240VAC/1 phase/50-60 Hz power, make connection to kitchen electrical circuit per local electrical code.

NOTE: Interlock with ventilation exhaust fan is required. When interlocking with fan, make sure that the fan power is not interrupted when EcoVent is powered off.

Store power is routed to exhaust fan then to Ecovent. When the fan is disconnected, so is the Ecovent.

2.10: TEST UNIT OPERATION

- 1- Verify that Ecovent power cord is connected to power source and that breaker is ON.
- 2 -Make sure hood exhaust fan is ON.
- 3 -Press Power-ON switch on front-bottom control panel.
- 4 - Wait 20-seconds then look for the bright blue light on the lamp compartment access panel to verify UVC lamp is operating.



PICTURE 2.10.1

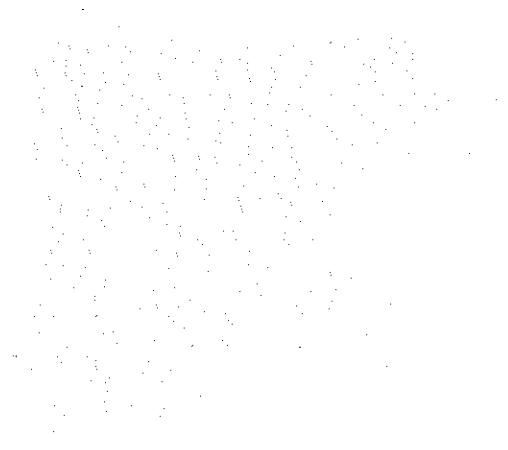
IMPORTANT



If unit makes a whistling noise, adjust the flexible installation hose. Changing the radius of the bends in the hose can reduce this noise.

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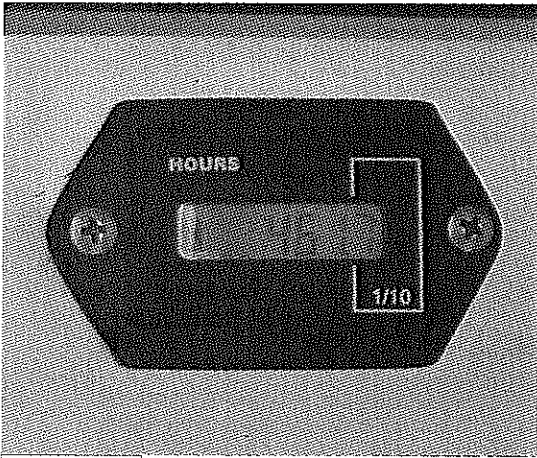
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4.1: UVC LAMP REPLACEMENT

The Franke EcoVent System uses a single, durable ultra-violet quartz lamp that is rated for 10,000 hours of useful life. The Lamp hours-of-use timer tracks actual lamp-ON hours and displays that count to the nearest 1/10th of an hour.

When the UVC lamp hours display reaches 10,000 the lamp and pressure switch must be replaced by an authorized service provider. To order a replacement lamp, contact your Franke service provider listed in section 8 with the part number provided in section 7.2

NOTE: Assuming 24-hours/day x 365 days/year operation, this is 1.37 years of continuous service. If used 12-hours per day, lamp will last over 2-1/2 years.



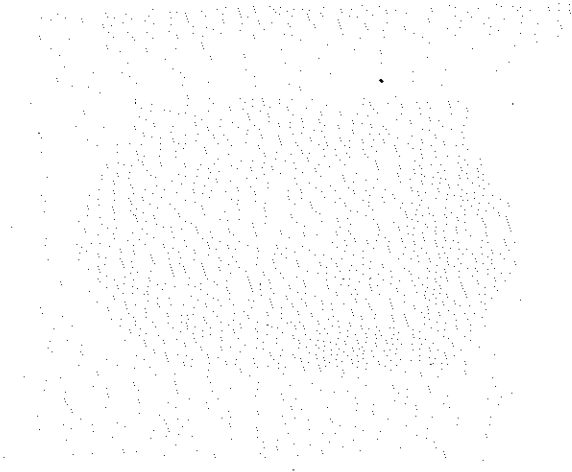
PICTURE 4.1.1

UVC Lamp Replacement record

LAMP #	INSTALL DATE	UNIT HOURS
#1	/ /	
#2	/ /	
#3	/ /	
#4	/ /	
#5	/ /	
#6	/ /	
#7	/ /	
#8	/ /	
#9	/ /	
#10	/ /	

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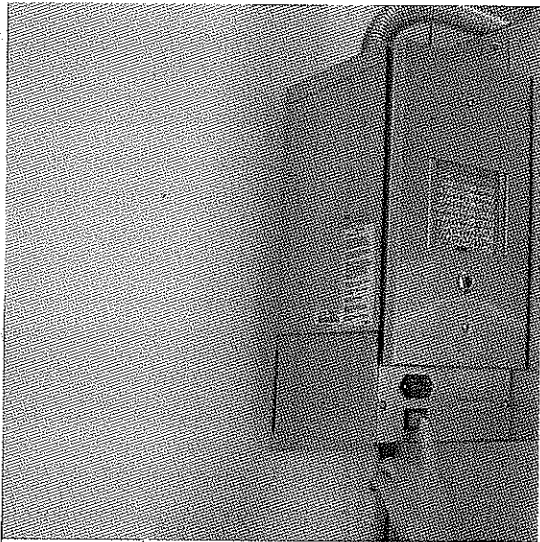
5.1: START-UP & SHUTDOWN PROCEDURES

For Start-up:

- 1. Ensure hood exhaust fan is ON.
- 2. When the ventilation hood system is operating, turn on the Power-ON switch located on the front of the EcoVent control panel (see picture 5.1.1)
- 3. After a 20-second delay, check the viewing port on the UVC lamp compartment access panel. It will be bright blue if the UV lamp is on and operating normally.
- 4. Now you can turn on the cooking equipment under the exhaust hood protected by the Franke Ecovent Exhaust Odor Reducer, per normal restaurant operating procedures.

For Shutdown:

- 1. Turn off all the cooking equipment under the exhaust hood.. Allow all equipment to cool for 30 minutes.
- 2. When equipment is cool, turn the Ecovent Power Switch OFF. The UVC lamp will turn off and the lamp viewing port should go black.
- 3. Shut down the ventilation exhaust hood system.



PICTURE 5.1.1

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PREVENTIVE MAINTENANCE

WARNING!!!



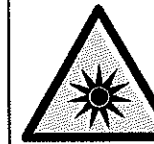
Electrical Shock Hazard! Disconnect power before servicing. Replace all parts and panels before operating. Failure to do so can result in electrical shock, burns or death.

CAUTION!



Make sure all cooking equipment, the exhaust hood system and the Ecovent Exhaust Odor Reducer have been turned off and allowed to cool. Contact with hot surfaces can cause burns.

CAUTION!



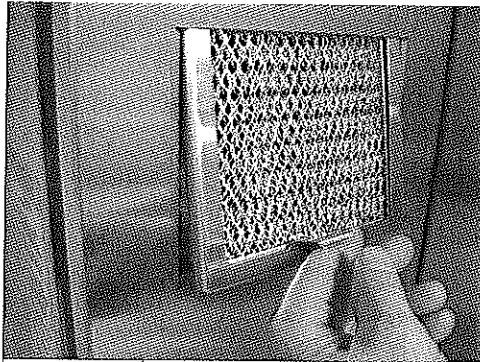
If needed, use a step ladder or other stable work platform to provide easy access to the UVC Lamp Compartment filter. DO NOT stand on cooking equipment . Falls can cause serious injuries.

6.1: WASH EXTERNAL LAMP COMPARTMENT FILTER

The Ecovent draws in fresh air from the kitchen through the small filter mounted above the lamp viewing port on the UVC Lamp Access Panel. Depending on use and kitchen conditions, this filter may become clogged with dust or other particulates, over time. If you notice a buildup of dust or lint:

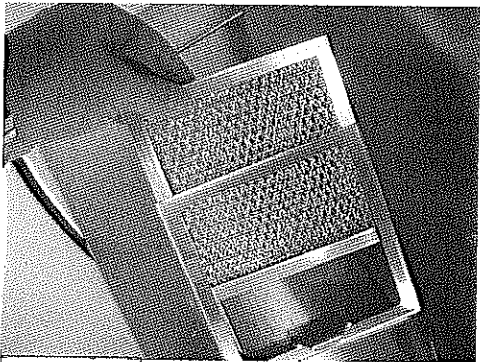
- 1. Holding bottom tab, lift up and pull out the filter and its frame from the Lamp Compartment Access Panel. (see picture 6.1.1.)
- 2. Slide the filter up and out of the filter frame. (see picture 6.1.2)
- 3. The reusable mesh filter can be washed in a sink or run through a dish machine.
- 4. After cleaning, allow filter to air dry. (see picture 6.1.3)
- 5. When dry slide filter back into the filter mounting frame.
- 6. Holding the filter frame bottom tab, slide frame up into top of opening in lamp access panel, angle frame bottom in and down flush with panel.

Lift up and angle out of filter frame
(picture 6.1.1)



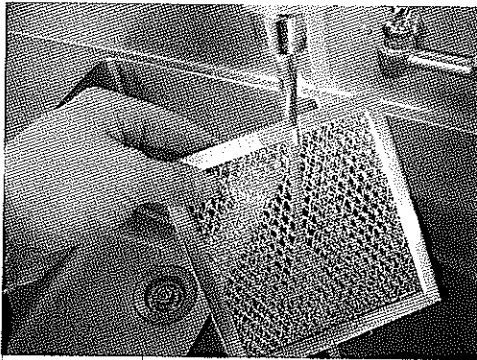
PICTURE 6.1.1

Slide filter out of frame
(picture 6.1.2)



PICTURE 6.1.2

Wash filter and allow to air dry
(picture 6.1.3)



PICTURE 6.1.3

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7.1: ECOVENT UNIT SPECIFICATIONS

The Ecovent is an ETL listed grease and odor treatment system that utilizes ultraviolet light to generate low levels of ozone (O³), which is used to deodorize and oxidize grease emissions produced by commercial cooking equipment. The Ecovent consists of a 135-watt UV(C) lamp enclosed in an all stainless steel cabinet that mounts left or right of the exhaust hood. A flexible stainless steel hose delivers ozone to the exhaust duct or duct transition without use of fans or moving parts. This compact unit is provided with a solid state ballast; lamp access panel with safety interlock, plus shielded UVC lamp view port. Unit has the following specifications and utility requirements:

ELECTRICAL/UTILITY REQUIREMENTS	90-120VAC VERSION	220-240VAC VERSION
Operating voltage	120 VAC	230 VAC
Phase	1 phase	1 phase
Cycles	50/60 Hz	50/60 Hz
Amperage	1.2 Amp	0.6 Amp
UV Lamp watts	135 watt	135 watt
Power Cord provided	10 foot	3 meter
Electrical connection	per country code	per country code

OPERATING & INSTALLATION CONDITIONS

Maximum operating temperature	100°F (37.8°C)
Air flow set point	See section 2.4, table 2.4.1
Unit access - front clearance	Requires 36" (915mm) clearance for installation and service
Unit access - bottom clearance	Requires 8" (203mm) clearance for installation and service

DIMENSIONS AND WEIGHT

Width	9.98" (253mm)
Depth	13.35" (314mm)
Height	21.98" (558mm)
Unit weight	43lbs (23kg)

KEY SPECIFICATIONS

	90-120VAC VERSION	220-240VAC VERSION
Product Model	EcoVent	EcoVent
Part Number	18004047	18004030
UV Light frequency	185nm & 254nm	185 nm & 253nm
Approvals / Listings	ETL/Intertek (US & Canada)	CE, BGN



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7.2: PARTS LISTING

To order installation or replacement parts, contact your Franke agent listed in section 8

INSTALLATION PARTS

PART DESCRIPTION	PART NUMBER
Hose installation kit - 19" [0.5 meter]*	18005090
Hose installation kit - 39" [1.5 meter]*	18005091
Hose installation kit - 59" [1.5 meter]*	18005092
Hose installation kit - 78" [2.0 meter]*	18005093

* Installation Kit includes one length of stainless steel hose and one attachment fitting assembly. The other attachment fitting assembly ships with the Ecovent unit.

REPLACEMENT PARTS

PART DESCRIPTION	PART NUMBER
UVC Lamp, 135Watt [all voltages]	19002834
Mesh compartment filter	19002830
Pressure Switch	19002839

IMPORTANT



Only hose and fittings specified in installation kit may be used. Substituting hose or fittings will void factory warranty, may not comply with local fire codes and may pose a safety hazard.

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8.1: FRANKE NEW EQUIPMENT LIMITED WARRANTY

Franke Foodservice Systems (“Franke”) warrants new equipment manufactured in Franke’s own facilities to be free of defects due to poor materials or workmanship for the period of time listed below (following the date of original installation):

Franke Ecovent Ultraviolet Exhaust Odor Reducer:

- Stainless Steel Surfaces – Life of the equipment
- Replacement (authorized service) parts – 90 Days Parts and Labor
- UVC Bulb - Non-operating/malfunctioning bulb at installation only
- All Other Components – 1 Year Parts and Labor

Exclusions: Certain Franke parts that are expendable by nature and that need to be replaced frequently may not be covered. Franke is not liable under these warranties for repairs or damages due to improper operation, attempted repairs or installation by unauthorized persons, alterations, abuse, fire, flood or acts of God.

Additionally, this warranty may be voided in the case of:

- Failure to follow Franke instructions for use, care or maintenance
- Removal, alteration or defacing of the Franke-affixed serial number
- Service by a non-authorized service company

This warranty is conditional upon Franke receiving notice of any defect subject to this warranty within thirty (30) days of its original discovery by the Buyer.

Other Equipment (Not Manufactured by Franke)

Equipment not manufactured by Franke (commonly known as “buyouts” or purchased goods) and manufactured by other entities is covered by the warranties, if any, of such third-party manufacturers. Where such third party manufacturers provide warranties on any or all portions of said “buyouts,” Franke agrees to transfer all such warranties to the Buyer.

8.2: SERVICE NETWORK - UNITED STATES & CANADA

Franke provides 24-hour, 7-days-a- week response to customer service requests, through its own Call Center.

Whenever possible, Franke selects service agents who belong to the Commercial Food Equipment Service Association (CFESA). This trade association currently has more than 450 members in the United States, Canada, Mexico and Puerto Rico.

When Franke cannot select a CFESA member, it nonetheless adheres to the CFESA standards for qualified service agents in North America. Among them are:

- 24 Hour emergency service
- Factory authorized warranty service
- Factory trained and certified technicians
- OEM parts availability
- System for communication with field technicians

Performance of service agents, including their parts stocking abilities, call response time, service rates and customer satisfaction are monitored by the Franke Field Service Department via online, written and phone surveys. Franke Technical Support updates this Service Network list annually.

U.S. & Canada Contact Information:

Franke Technical Services
1-800-5FRANKE (1-800-537-2653); select option 2 - Email: FS-TS.US@FRANKE.COM

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8.3: SERVICE NETZWERK - EUROPE

In Europe, Franke provides service through our own service subsidiary: Franke Foodservice Systems GmbH based in Bad Saeckingen, Germany. They provide 24-hour, 7-days-a-week response to customer service requests through their Call Center.

- Our European Service Group adheres to the Franke standard for service support, providing:
- 24 Hour emergency service
 - Factory authorized warranty service
 - Factory trained and certified technicians
 - OEM parts availability
 - A system for communication with field technicians

Europe Kontaktinformationen:

Technische Dienste von Franke
Franke Foodservice Systems GmbH
Jurastrasse 3
79713 Bad Saeckingen
Deutschland
Service Hotline: +49(0) 7761 5533 5780
Email: service.fce@franke.com

Freecall Hotline Nummern:

- Germany:
0800 664 71 84
- Austria:
0800 295 302
- Italy:
800 789 035
- France:
0800 913 792
- Switzerland:
0800 561 334
- Poland:
0048 58 660 91 28
- United Kingdom:
0808234 93 32

8.4: SERVICE NETWORK - SOUTHEAST ASIA

In Southeast Asia, please contact:

Franke Foodservice Systems Philippines, Inc.
B1-6 & 7 Phase I Carmelray Industrial Park (CIP) II,
Brgy. Tulo, Calamba, Laguna 4027
Philippines
Phone: +63 49 5088888
Fax: +63 49 5080138

8.5: SERVICE NETWORK - CHINA

In China, please contact:

**Franke Foodservice Systems
Franke(China) Kitchen System Co., Ltd**
318 Yinglang Industrial Zone, Shaping Town Heshan City, Guangdong Province, P.R.C.
Postal Code: 529700
Phone: +86-750-8418501
Fax: +86-750-8415656

8.6: SERVICE NETWORK - MIDDLE EAST

In the Middle East, please contact:

Franke Foodservice Systems Philippines, Inc.
B1-6 & 7 Phase I Carmelray Industrial Park (CIP) II,
Brgy. Tulo, Calamba, Laguna 4027
Philippines
Phone: +63 49 5088850
Fax: +63 49 5080138

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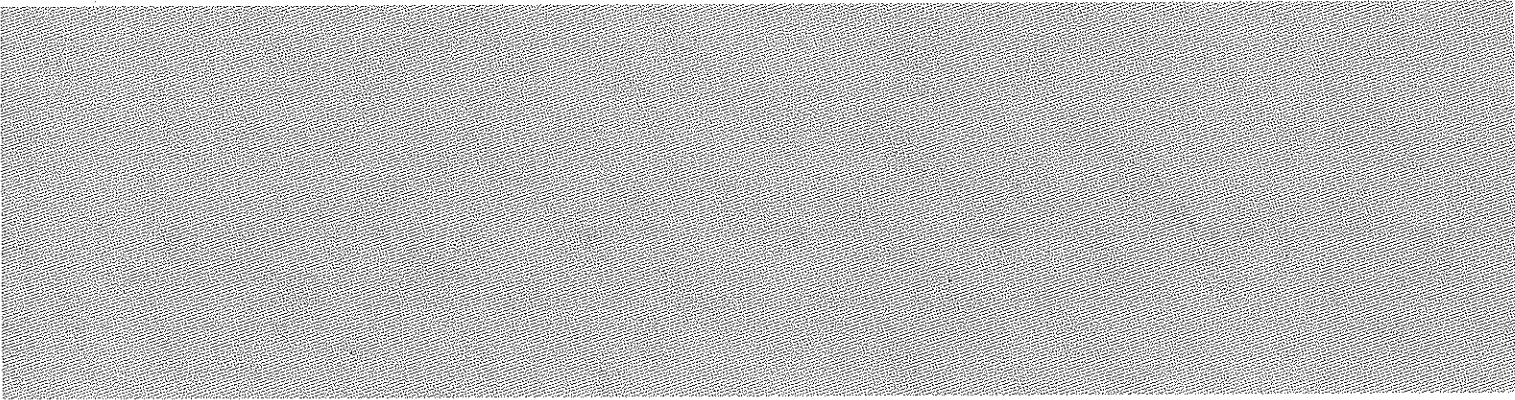
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9.1: TROUBLESHOOTING

The EcoVent System is designed to be trouble-free and very easy to use, with little maintenance or cleaning required by the owner-operator.

If your unit is not performing as outlined in this manual, please contact your service network provider for assistance.

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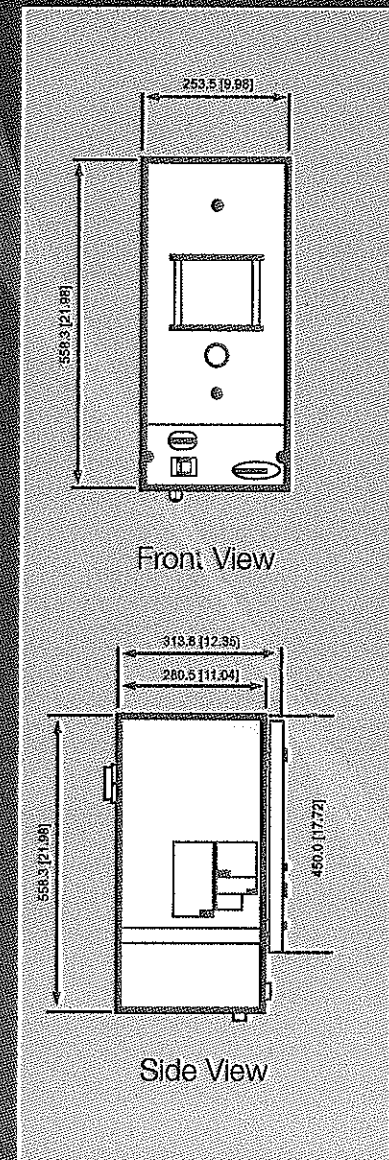


FOODSERVICE
SYSTEMS

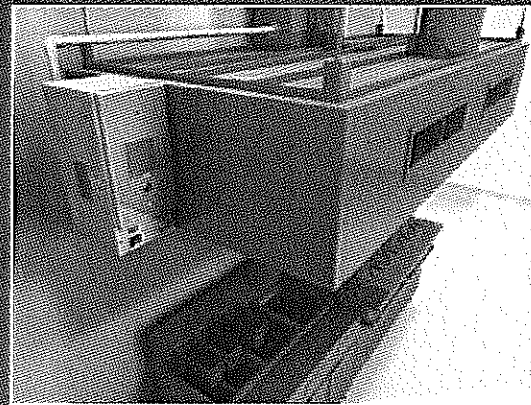
Ecovent UNIT

3201209537

Dimensions



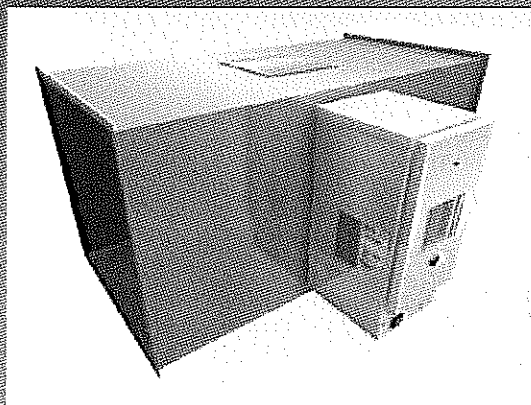
Installation Options



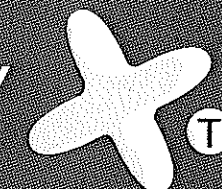
Ecovent on canopy hood



Ecovent on shelf hood



Ecovent on Extract duct



Controlling Kitchen Extract Emissions

- ★ Low capital and maintenance cost
- ★ Dramatically reduces grease and odour within a kitchen extract environment
- ★ Reduces duct cleaning requirement
- ★ Helps to prolong life of extract fan motors and belts
- ★ Tested to BSEN 13725:2003
- ★ 250 successful installations throughout the UK

Easy Maintenance

- ★ "Smart control" offers status display
- ★ Simple design protects the UV tube
- ★ Reliable quartz bulb lasts 12,000 hours
- ★ Safety interlocks prevent UV exposure

Installation

- ✧ Quick and easy installation
- ✧ Small design promotes flexibility in installation
- ✧ Fits onto all canopy types
- ✧ Fits onto an extract duct
- ✧ No noise
- ✧ Stainless steel construction
- ✧ No pressure drop



Product Description

Product Market	International
Approvals/Listing	CEETL Sanitation
UV Wavelength	185nm and 254nm
Efficiency	Up to 75% Grease Control Up to 85% Odour Control
General	Units can be joined together to increase volume or efficiency



Dimensions & Weight

Length	253.5mm
Depth	313.8mm
Height	558.3mm
Unit Weight	13.61kg

Operating Conditions

MAX Operating Temp.	37.8°C
Air volume	1.5 C/M/S

Electrical

Product Market	International
Voltage	230VAC
Phase	1
Cycle/Hertz	50Hz
Amp Draw	0.6 Amp
UV Lamp Type a	Single 135Watt Quartz - 12,000 hour life

From: Jeremy Birtwell [JBirtwell@wilsonmason.co.uk]
Sent: 03 December 2012 07:23
To: Matthew Riding
Subject: Booth Longridge odour control

Attachments: EcoVent - Installation Manual_web.pdf; Ecovent Dwg.pdf; Ecovent Flyer.pdf
Matthew,

Please find attached the odour control unit which will be fitted at Longridge tomorrow, as confirmed below.

Kind regards,

Wilson Mason and Partners
Jeremy Birtwell

Wilson Mason and Partners
Upland House
Spring Lane
Samlesbury
PR5 0UX

T 01772 877455

F 01772 877456

W www.wilsonmason.co.uk

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320120953.7

From: Chris Dix [mailto:chris@horsfield.co.uk]
Sent: 29 November 2012 16:51
To: 'Graham Tharme'; 'Richard Willacy'; 'Trevor Ollerton'; 'Mike Thomson'
Cc: Jeremy Birtwell; 'Ian Gautrey'
Subject: [AVGSPAM] RE: Booth Longridge

Graham,
The unit has been ordered, delivery 03-12, installation 04-12.

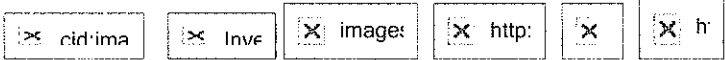
I will arrange with store direct with regards to out hours works.

Regards

Chris Dix

.....
S C Horsfield Building Services Engineers Ltd
-Design-Install-Maintain-
Horsfield Place
Rough Hey Road
Grimsargh
Preston
PR2 5AR

Tel: 01772 654402
Fax: 01772 792296



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