



CK Recirc™ Units

Installation, Operation and Maintenance Manual

Model Types ~ CK Recirc™ CK Recirc™ ECO



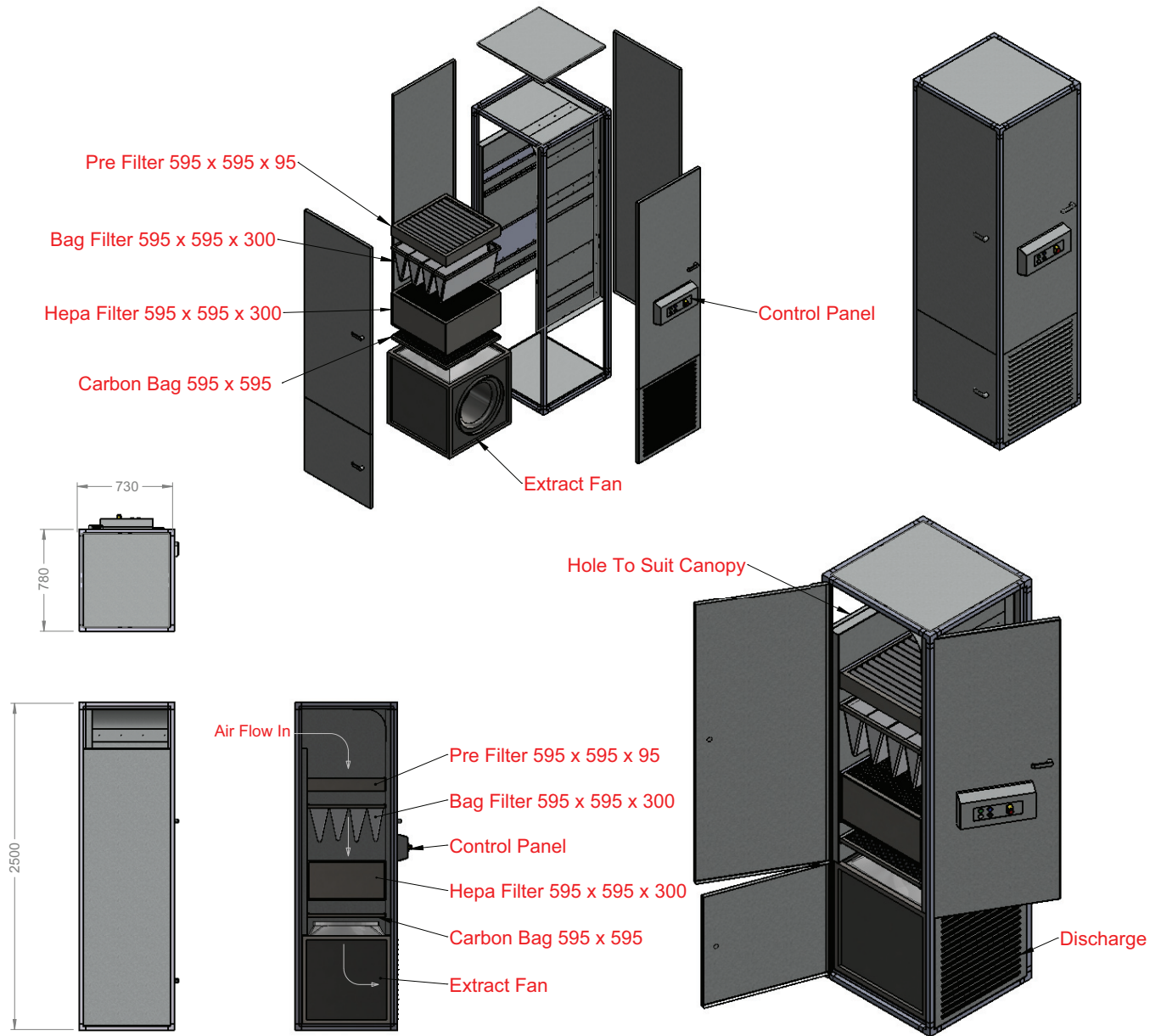
DESIGN | MANUFACTURE | INSTALL | MAINTAIN

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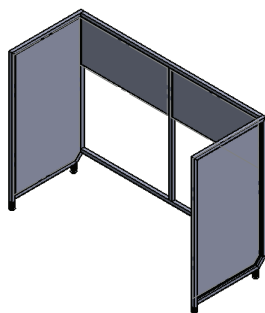
1. Recirc Unit



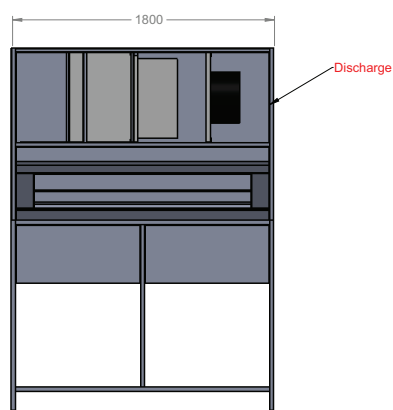
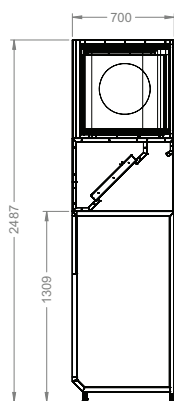
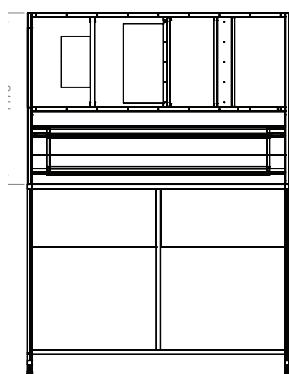
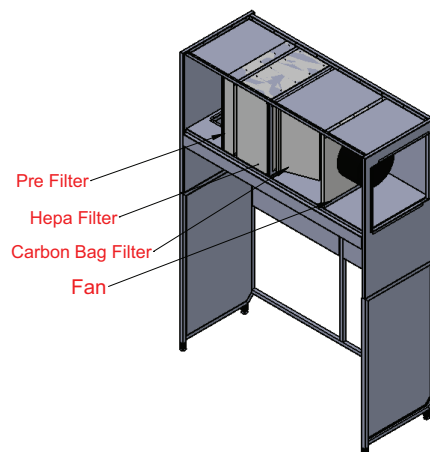
1. Recirc Unit



2. Recirc Unit - ECO



Door



Component Definition

Terms	Definition
Canopy	A rigid, self-supporting stainless steel structure which acts as a point of extraction for grease laden kitchen air
Recirc Unit	A Product name given to a range of stainless steel kitchen canopies
Baffle Filter	A high efficiency filter for removing entrained grease and moisture from extract air
Grease Tray	Allows drainage of entrained grease droplets and moisture which fall from the grease filters
Pre-Filter	Collection of large particles
Bag Filter	Collection of large particles
HEPA Filter	Deep pleat smoke absorbing filter
Carbon Filter	Odour absorbing activated filter
Fan	Extract fan

3. System Overview

Full Description

When cooking, hot, humid and grease laden air is extracted by the unit.

Fan

A backward curved centrifugal fan, mounted on a slide-out fan plate at the top of the unit, draws contaminated grease laden air from cooking appliances through four stages of filtration.

The four stages of filtration for CKRecirc™ + CK Recirc™ ECO are:

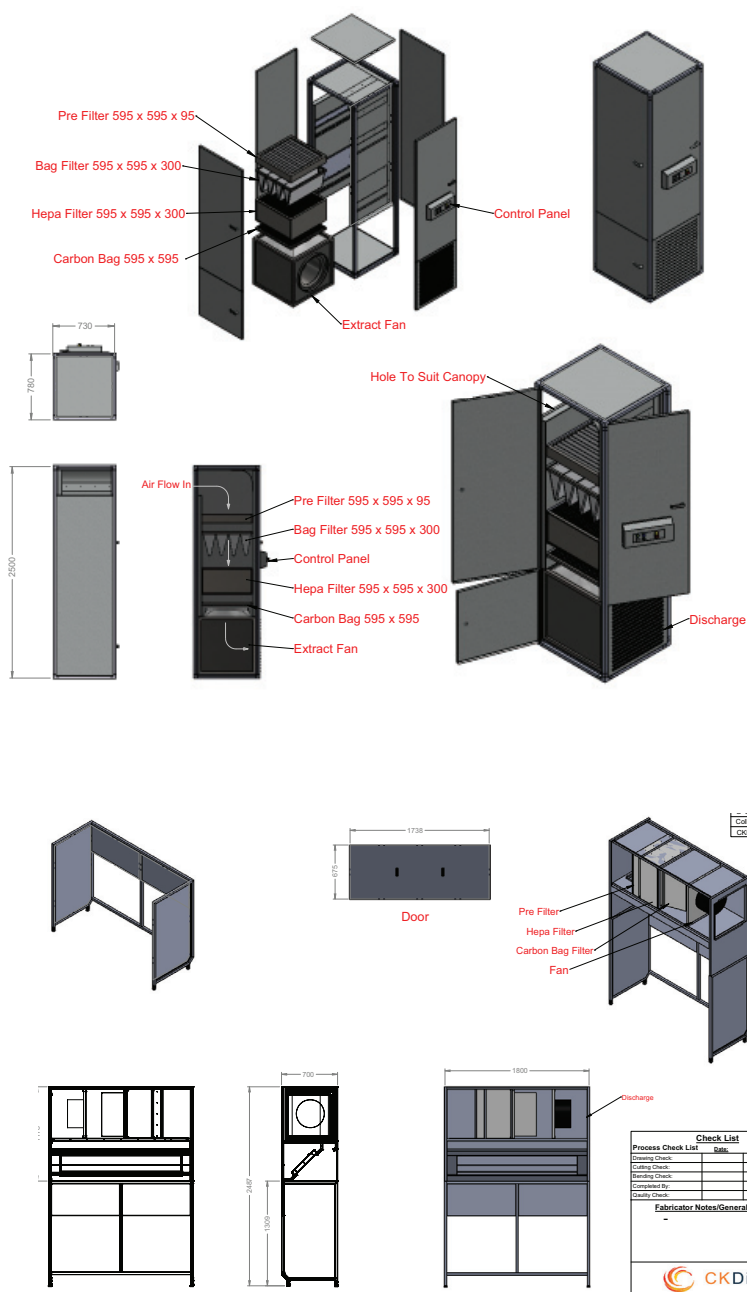
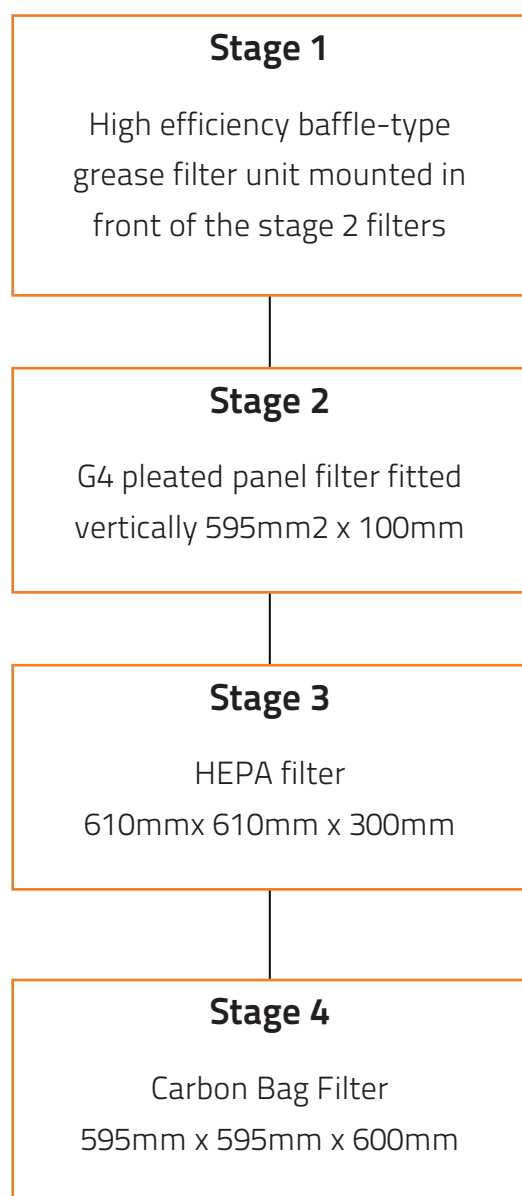
- **Stage 1:** High efficiency baffle-type grease filter unit mounted in front of the stage 2 filters
- **Stage 2:** G4 pleated panel filter fitted vertically 595mm² x 100mm
- **Stage 3:** HEPA filter 610mm x 610mm x 300mm
- **Stage 4:** Carbon Filter 595mm x 595mm x 600mm

1.2 Electrical Requirement

1.3 Amp Fused Spur

4. Filtration Flow - CK Recirc™ + CK Recirc™ ECO

Refer to the following process flow which describes the five stages of filtration:



5. Maintenance

Introduction

Warnings and Cautions use the following conventions:

- **WARNING** - danger of death or to the health of personnel
- Caution - danger of damage to equipment.

Warnings and Cautions

WARNING:

IF ANY INFORMATION PROVIDED IN THIS OPERATION AND MAINTENANCE MANUAL IS NOT CLEAR YOU MUST STOP WORK AND CONTACT YOUR SUPPLIER

WARNING:

CLEANING AND MAINTENANCE MUST ONLY BE UNDERTAKEN BY COMPETENT PERSONNEL ONCE ALL EQUIPMENT SUCH AS OVENS, GRILLS AND FRYERS ARE SWITCHED OFF AND ALL SURFACES HAVE SUFFICIENTLY COOLED.

WARNING:

FILTERS STAGES SHOULD ONLY BE REPLACED BY TRAINED OPERATIVES OR KITCHEN VENTILATION SERVICE TEAM, CONTACT FOR FURTHER DETAILS.

WARNING:

YOU SHOULD WEAR SUITABLE GRIPPING, CUT-RESISTANT WORK-GLOVES WHEN HANDLING AND CLEANING THE REFRESH UNIT.

WARNING:

ACCESS TO FILTERS FOR REMOVAL & REPLACEMENT WILL OFTEN MEAN REACHING ABOVE HEAD HEIGHT. YOU MUST USE SUITABLE ACCESS EQUIPMENT AND SAFE WORKING PROCEDURES.

WARNING:

YOU MUST WEAR SUITABLE RUBBER GLOVES WHEN CLEANING WITH ANY ACID SOLUTIONS. SPECIAL PRECAUTIONS ARE NECESSARY WITH OXALIC ACID. SOLVENTS SHOULD NOT BE USED IN ENCLOSED PLACES.

WARNING:

IF THE INTERNAL SURFACES OF THE SYSTEM ITSELF ARE NOT REGULARLY AND THOROUGHLY CLEANED, THEN THE RESIDUAL ODOURS OF DEPOSITED GREASE THROUGHOUT THE SYSTEM WILL BE DETECTABLE IN THE RETURN SUPPLY AIR FLOW RE-ENTERING THE ROOM SPACE.

Caution:

If primary filtration is not regularly cleaned & maintained, then hygiene and fire risks are created down-stream.

Caution:

The particulate filters are positioned to protect the fan and carbon filters. If they are not monitored and replaced regularly, then the life-span of the carbon filters will be drastically reduced and the fan will become grease loaded and could start to run out of balance causing long-term damage to bearings and impeller.

Component Definition

Equipment	Preventive Maintenance Frequency					
	Level of Output					
	Light	Light/ Medium	Medium	Medium/ High	High	Very High
Cleaning Stage 1 Baffle Filters	7 Days	7 Days	5 Days	3 Days	1 Days	1 Days
Cleaning Grease Collection Drawers	7 Days	7 Days	5 Days	3 Days	1 Days	1 Days

Cleaning Down the Recirc Units - All Models	7 Days	7 Days	5 Days	5 Days	5 Days	5 Days
Deep Cleaning the Units Internal Surfaces of the Canopy Filter housing	6 Months	6 Months	6 Months	5 Months	3 Months	3 Months
Cleaning the Service Tower Internal Ductwork	12 Months	12 Months	8 Months	6 Months	4 Months	3 Months
Cleaning Stainless Steels	Non-scheduled (as required depending upon output). Clean all stainless steel surfaces when it is dirty in order to restore its original appearance]					
Routine Surface Cleaning						
Cleaning Fingerprints						
Cleaning Stubborn Stains and Discolouration						
Cleaning Oil and Grease Marks						
Cleaning Corrosion						
Replacing Stage 2 G4 Bag Filters	1 Week (30 hours)	1 Week (30 hours)	2-3 days (18 hours)	2-3 days (18 hours)	1 day (6 hours)	1 day (6 hours)
Replacing Stage 3 HEPA Filters (	6 months (720 hours)	5 months (600 hours)	4 months (480 hours)	3 months (360 hours)	2 months (240 hours)	1 months (120 hours)
Replacing carbons	6	6	6	6	6	6