

MODELS
IL-H-WW-VA12/18/24

PRODUCT MANUAL 27793
REV V SEPT 2024



CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET
HEATED



WIDTHS: 1200/1800/2400mm
HEIGHTS: 1474mm
OPEN FRONT, OPTIONAL REAR LOADING DOORS

CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

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Warnings

Operational Safety

This appliance is not intended for use by young children or infirm persons, unless they have been adequately supervised by a responsible person, to ensure that they can use the appliance safely.

Young children should be supervised, to ensure that they do not play with the appliance.

Temperature Warnings

Do not clean the cabinet unless the GREEN indicator lamp is ON.

Do not load products unless the RED indicator lamp is ON.

Water

THIS UNIT IS NOT WATERPROOF. DO NOT USE A WATER JET SPRAY TO CLEAN THE INTERIOR OR EXTERIOR OF THIS CABINET.

Caution

Do not store explosive substances, such as aerosol cans with flammable propellant, in this appliance.

Mains Supply Cord

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons, in order to avoid a hazard.

Hazardous Substances

The cabinet does not contain any of the following, in its construction:

Asbestos

PCBs (Oils containing polychlorinated biphenyl)

Mercury

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INTRODUCTION

Welcome

VISAIR CABINETS - INTRODUCTION

Future Products Group (FPG)

Welcome to the world of FPG! Our products are designed and engineered to give you the optimal performance that you deserve with innovative visual merchandising appeal.

We are confident that you will be delighted with your state of the art inline food service cabinet, and that it will become a valued appliance in your store.

Guidance and Help

Any new appliance can seem very complex and confusing at first glance. To ensure you receive the utmost benefit from your new inline cabinet, there are two things you can do.

- Before operating the cabinet, please read the instruction book carefully and follow its recommendations. The time taken will be well spent. These instructions both general and technical tell you how to operate and look after your inline food service cabinet so that you can receive the full benefits that this cabinet has to offer.
 - These instructions cannot, however, cover all eventualities. If you are unsure of any aspect of the installation, instructions or performance of your cabinet, contact your dealer promptly or contact us via email to support@fpgworld.com.
-

Warranty

VISAIR CABINETS - INTRODUCTION

Warranty Period

Future Products Group Limited warrants, to the original purchaser of an FPG manufactured food service cabinet, that for ONE YEAR (12 months) from the date of purchase, any defect in workmanship or material resulting in the product malfunctioning while under correct use will be rectified.

Liability under this warranty is limited to replacing or repairing a part, without charge.

Continued on next page

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Warranty cont.

VISAIR CABINETS - INTRODUCTION

Liability Exceptions

Liability under this warranty does not include:

- Any loss, damage, or expenses directly or indirectly arising from the use of, or inability to use, the product or from any other cause.
 - Any part of the cabinet which has been subject to misuse, neglect, alteration, incorrect installation, accident, or damage caused by transportation, use of abrasive or caustic chemicals, flood, fire or acts of God.
 - Any damage or malfunction, resulting from the use of non-FPG supplied spare parts.
-

Specific Exclusions

The following are specifically excluded from warranty:

- Breakage of glass or plastic components, or the replacement of LED lighting and lamps, or gaskets.
 - Maladjustment of the electronic temperature controller, by an unqualified person.
 - Failure to re-assemble the cabinet correctly after cleaning.
 - Fair wear and tear.
-

Assessment

The liability under this warranty is dependent on an assessment by FPG, to determine the defect in workmanship or materials.

Time Limit

FPG does not guarantee that any service to be performed under this warranty will be carried out within any particular time limit.

Caution

FPG will not be held responsible for any servicing costs incurred prior to FPG's acceptance of a warranty claim.

OPERATION

Cabinet Layout

VISAIR CABINETS - OPERATION

Self Service Cabinets

These open front cabinets are designed for the display of hot pre-cooked food.

Some models have rear loading doors.

The cabinets are fitted with two or three shelves, and items may also be placed on the base tray.

Radiant heating elements are incorporated into the ceiling and shelves, to achieve uniform product temperatures.

The cabinets are designed to be free standing, and are available in two heights.

The cabinets can have flush sides and opaque side panels, enabling them to be stacked side by side.



Lighting



Cabinets are fitted with LED lighting.

Lighting strips are fitted in the ceiling of the cabinet and below the shelves to illuminate displayed product.

Controls

VISAIR CABINETS - OPERATION

Control Panel



The controls may be located on the front or back of the cabinet, depending on model, and comprise:

- The *Clean-out* switch
- Indicator Lamps
- A temperature controller

The clean-out switch controls both heating and lighting.

The controller remains active at all times, unless power is disconnected from the cabinet, preserving the remote monitoring facility.

The temperature controller indicates the operating temperature of the cabinet.

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Preparation

VISAIR CABINETS - OPERATION

Shelf Location and Ticketing

The shelf positions can be adjusted by only a small amount, because of the cables required for heating and lighting.

The heat output of the radiant elements is factory set for even temperature distribution with the shelves in these positions.

The front edges of the shelves and base are fitted with extrusions, to carry ticketing/labels.



Power Supply

Ensure that power is connected to the cabinet.
Turn on the clean-out switch, as shown above.

Pre-heat the Cabinet

Pre-heat the cabinet until the RED status indicator lamp comes ON, before loading with product.

Load Cabinet

Load cabinet with pre-heated product.

The cabinet is designed to maintain the temperature of pre-heated product. It is not an oven, and consequently, if cold product is introduced, there could be a considerable delay before the operating temperature is again reached.

Operating Routines

VISAIR CABINETS - OPERATION

Operating Environment

The cabinet is designed to maintain products at a temperature above 65°C.

The heating system is designed to maintain this temperature, provided the cabinet is not located in a draughty location.

Do not place electric fans close to the open front of the cabinet.

Temperature Monitoring

To detect uneven temperature distribution resulting from a failed element, the temperatures at all locations must be regularly monitored.

Since the cabinet uses infra-red radiation (IR), to maintain the temperature of displayed product, (pre-cooked chickens), the air temperature will not be as high as the product temperature.

IR is absorbed by the products, but does not heat the air through which it passes.

Accurate product temperature measurements can only be made by using a “probe” type thermometer, as shown below.

Periodic checks should be made, by inserting the probe into the body of a sample product. In the case of cooked chickens, insert the probe into the flesh, rather than the hollow center of an unseasoned sample.



Do not use an IR temperature gun, since ambiguous readings will be caused by random direct radiation from the elements and shelves etc.

Cleaning

It is recommended that cabinets be cleaned at the end of the working day, since they need to be shut down for this.

Allow the cabinet to cool for approximately 30 minutes before starting to clean it.

Once cleaning is finished, switch the cabinet on again and allow it to reach the working temperature before introducing the pre-heated products.

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TROUBLE SHOOTING

FAULT	POSSIBLE CAUSE	REMEDY
Cabinet does not operate/start	The mains isolating switch on the wall, circuit breaker or fuses are off at the power board	Turn isolating switch circuit breaker or fuses on
	The clean-out switch on the cabinet is OFF	Turn the power switch ON
	The switch on the unit is faulty	<i>Have the switch replaced</i>
Cabinet does not reach temperature, or temperature distribution is uneven.	The cabinet is in a draught	Eliminate the draught
	Rear loading doors are open	Close rear doors
	The Controller is faulty	<i>Have controller replaced</i>
	An element fuse has blown	<i>Check and replace fuse</i>
	An element is blown	<i>Have the element replaced</i>
Cabinet lights not working	A LED power supply has failed	<i>Replace LED power supply</i>
	An LED strip has failed	<i>Replace LED assembly</i>
	Internal breaker tripped/failed	<i>Have wiring checked and reset or replace breaker</i>
Aluminium parts corroded	Caustic detergent damage	Order replacement parts

Service Personnel Only The table entries in ***italics*** indicate actions to be taken only by qualified Service Personnel.

CLEANING

Clean-out Switch

VISAIR CABINETS - CLEANING

Status Indicator Lamps Before cleaning the cabinet, operate the **Clean-out Switch** to allow the cabinet to cool.

The RED status indicator lamp will turn off as the cabinet temperature falls below the normal operating level.

Do not attempt to clean the cabinet until the GREEN status indicator lamp comes ON, showing the cabinet is cool enough to touch.

Exterior

VISAIR CABINETS - CLEANING

Metal Surfaces Stainless steel or aluminium surfaces should be cleaned with hot soapy water. DO NOT clean surfaces with abrasive pads or cleaners, as stainless steel and aluminium surfaces will be damaged.

Glass All glass should be cleaned using a good quality glass cleaner and a clean cloth.
DO NOT use abrasive pads or cleaners, because they will damage the surface of the glass.

Interior

VISAIR CABINETS - CLEANING

Shelf and Base Trays Ensure that the GREEN status indicator lamp is ON.
The base tray and shelves can be cleaned in place for regular cleaning, but are easily removed from the cabinet for more thorough cleaning.



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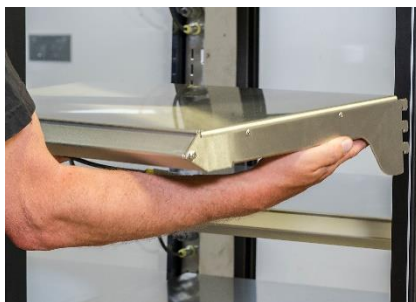
Interior cont.

VISAIR CABINETS - CLEANING

Trays and Shelves

The base tray and shelves can be cleaned in place for regular cleaning, but can be removed from the cabinet for more thorough cleaning.

First unplug the heating and lighting connectors, lift the shelf upwards and pull it forward to disengage it from the pillars.



The shelves are heavy, so two people may be needed.

Shelves should be cleaned with hot soapy water.

Use a damp cloth or sponge to avoid excess water entering the heating elements and light fittings.

Do not use abrasive pads or cleaners as these may damage surfaces.

Warning: Dishwasher detergents will damage any anodised aluminium parts.



Cleaning Materials

Stainless steel trays and shelves should be cleaned with hot soapy water. Use a damp cloth or sponge to avoid excess water entering the light fittings etc.

Do not use abrasive pads or cleaners as these may damage surfaces.

Warning: Dishwasher detergents will damage any anodised aluminium parts.

Side Glass

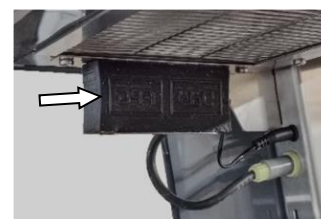
The inside of the side glass can be cleaned with the shelves in place, but more thorough cleaning should be done when the shelves are removed.

Temperature Probe

The silicone encapsulated temperature probe is waterproof and can be wiped clean with a damp cloth.

It can be removed after unplugging it and releasing two retaining screws.

Take care, because the screws also retain the grille.



Cleaning Routines

VISAIR CABINETS - CLEANING

**Turn OFF
Clean-out
Switch**

Wait for GREEN indicator lamp to come ON before starting to clean.
Remove products from cabinet.

**Turn ON
Clean-out
Switch**

Wait for RED indicator lamp to come ON before loading the cabinet with pre-heated products.

Schedules

To maintain optimum performance, cleaning must be regular and thorough. It is recommended that a schedule of cleaning operations be established.

Inspection

As part of the cleaning routine, the controls, mechanical parts and electrical wiring should be inspected for damage, deterioration or need of adjustment.

Correction

If any small faults are found, have them attended to promptly by a competent serviceman. Don't wait until they cause a complete breakdown.

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INSTALLATION

Regulations

VISAIR CABINETS - INSTALLATION

Compliance with Local Requirements

It is very important that your inline food cabinet is installed correctly and that the operation is correct before use. Installation must comply with local electrical, health & safety and hygiene requirements.

Setting Up

VISAIR CABINETS - INSTALLATION

Unpacking

Unpack and check unit for damage and report any damage to the carrier and supplier. Report any deficiencies to your supplier.

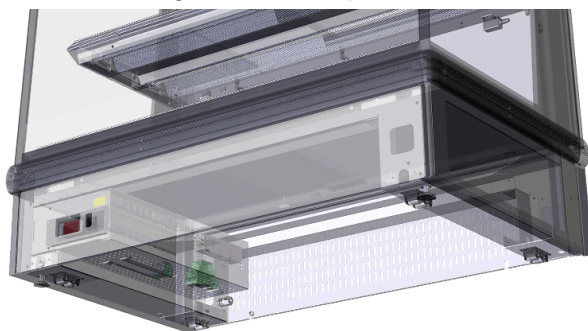
Cabinet Preparation

Remove all tapes, ties and packers, used to prevent movement during transit. Check that all plastic film protection has been removed from surfaces, otherwise it will melt when the cabinet heats up.

Positioning the Cabinet

With the lower front and back panels removed, a fork-lift or pallet lifter can be used to position the cabinet in its allocated working position. (A pallet lifter can be used without removing the back panel).

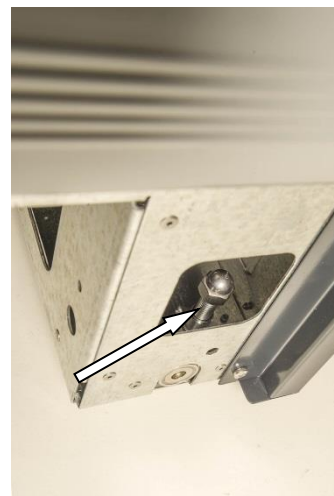
The front panel is secured by two magnets, and can be removed by pulling on the bottom edge. The rear panel is secured with screws.



There are casters on either side at the front and back, and

adjustable feet on either side at the front, so the cabinet can be easily manoeuvred before lowering the feet.

Using a spirit level, adjust each front foot to ensure the cabinet is level from front to back and side to side. If the floor is not level, place packing under one of the castors.



Location

VISAIR CABINETS - INSTALLATION

Operating Environment

The cabinet is designed to maintain products at a temperature above 65°C.

The heating system is designed to maintain this temperature, providing the cabinet is not located in a draughty location.

Do not place electric fans close to the open front of the cabinet.

Place

A minimum space of 50mm should be left behind the cabinet, to allow air to circulate through the vents.

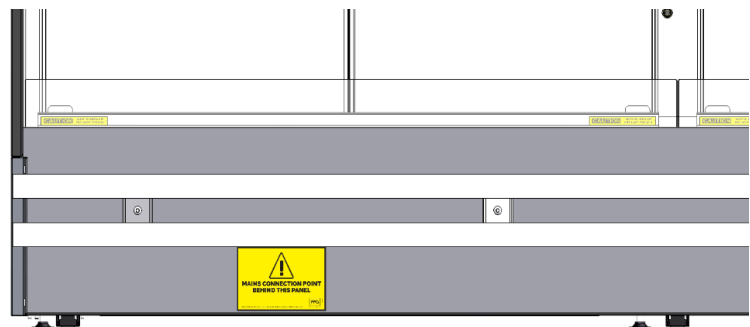
Power Supply

VISAIR CABINETS - INSTALLATION

Power Supply Connection

All cabinets have a terminal block for connecting the incoming mains supply phase, neutral and earth conductors.

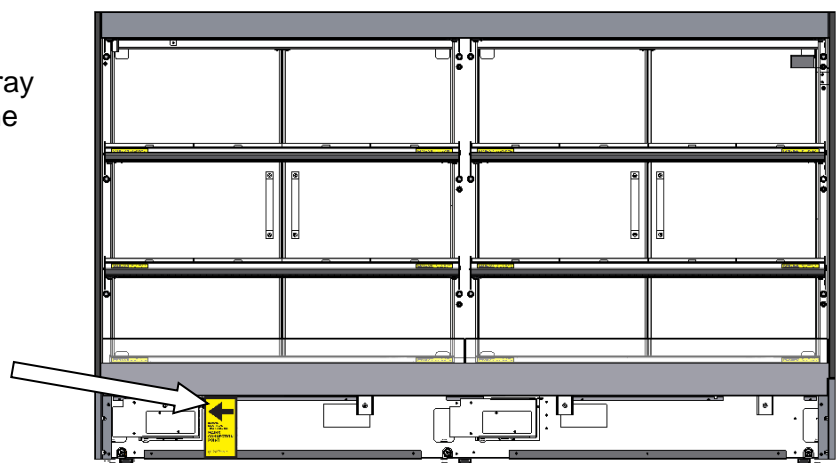
The terminal block is located below the electrical gear tray on the left-hand side of the chassis.



Pull the bottom of the front panel outwards, to release the magnetic catches, and disengage the top from the chassis to remove it.

Withdraw the Electrical Gear Tray

Unscrew and withdraw the electrical gear tray that is next to the label.



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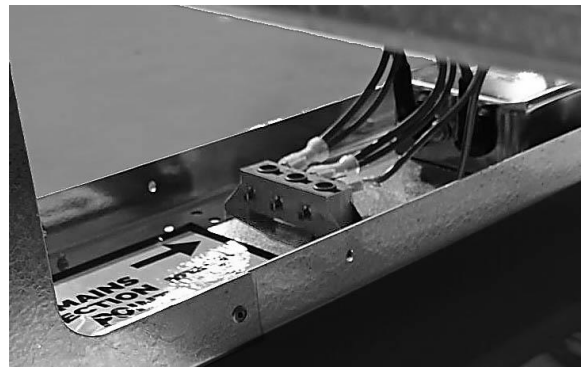
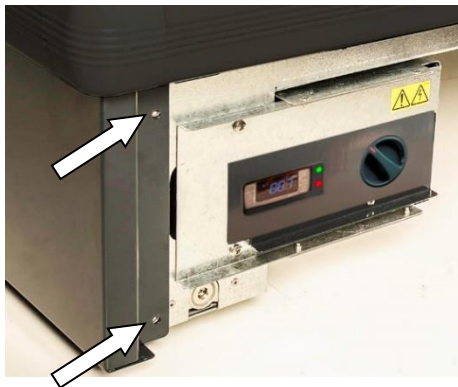
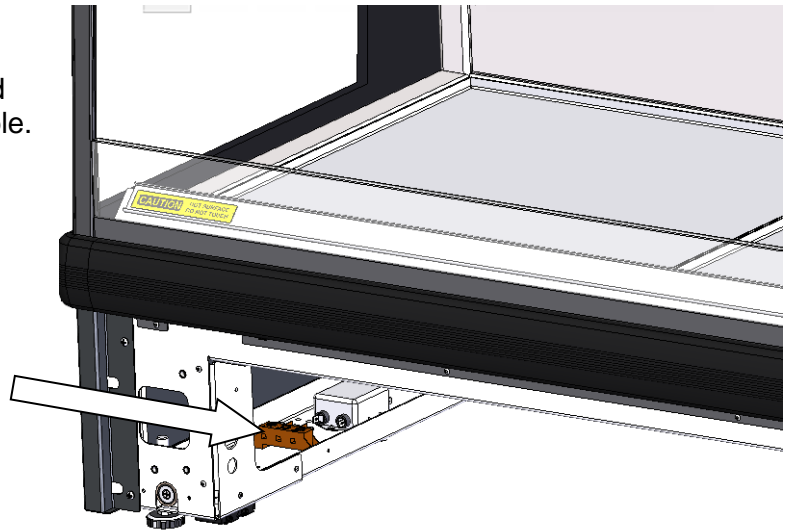
Power Supply cont.

VISAIR CABINETS - INSTALLATION

Access to Connection Block

With the gear tray removed, the connection block and EMI filter will be visible.

A label identifies the mains connection point.



The lower, powder-coated side panel can be removed for better access to the terminal block. Release it by removing two screws at the front, and two similar ones at the back.

Before connecting to the power supply, check that the local supply is correct to that shown on the rating label, located behind the removable front panel.

Electrical Isolation

An accessible means of isolation must be provided in the electrical supply to the cabinet.

Earthing

THIS APPLIANCE MUST BE EARTHED/GROUNDED

The cabinet should be earthed via the connection block.

In addition, an equipotential earth bonding terminal is provided, to allow the cabinet to be bonded to a building surge earth or adjacent equipment.

SERVICING

Control Gear

VISAIR CABINETS - SERVICING

Caution

Some electrical components remain live, after the clean-out switch is turned off. The main supply to the cabinet must be disconnected to make all parts safe.

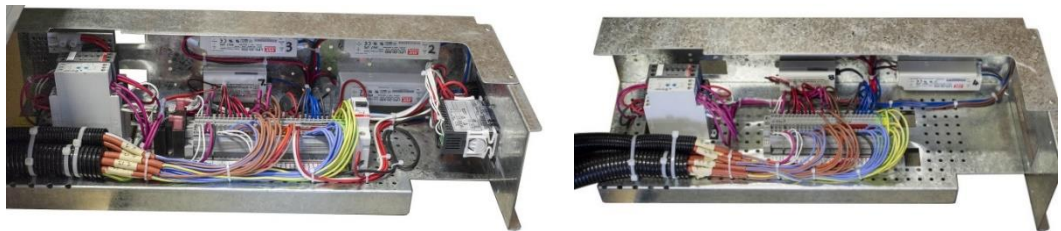
Access to Control Gear

Pull on the lower edge of the base panel to disengage the magnetic catches.

The control gear chassis can now be accessed.



Control Gear Chassis



Each control gear chassis can be withdrawn, after removing two fixing screws.

On front loading cabinets, a clean-out switch is mounted on the side of the control gear chassis.

Rear loading cabinets have the switch mounted on the back.

Control Gear Components

The left chassis houses the low voltage power supplies, a heating controller and a digital cycle timer.

Cabinets with rear doors have the controls on the back of the cabinet.

An MCB protects all control and lighting circuits. The heating elements are individually fused with 5A replaceable links.

A second chassis, without a heating controller, relay, MCB or switch, is fitted to the right side of the 2400 cabinet.

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Control Gear cont.

VISAIR CABINETS - SERVICING

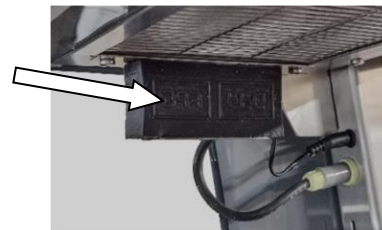
Heating Controls

The cabinet heating is controlled by the Dixell temperature controller, in conjunction with a silicone encapsulated temperature probe.

Power to the various radiant elements is proportioned to achieve an even temperature distribution within the cabinet.

If an element fails, the temperature distribution within the cabinet will become uneven.

Regular temperature checks must be made at all product locations to detect such a failure.



Remote Temperature Monitoring

VISAIR CABINETS - SERVICING

FPG SILCOTRAC

The SILCOTRAC® PSP is a silicone rubber encased NTC 10k ohm temperature probe. The PSP is mounted in the cabinet in a position where it can directly absorb the infrared heat emitted from the cabinet infrared elements.

Simulated Product

The purpose of the PSP is to simulate the mass and core temperature of the food product stored and displayed in FPG infrared heated cabinets, for the purpose of remote temperature monitoring.

Unlike actual food product that is heated both by conduction and infrared heat, the PSP relies solely on infrared for its heat source. This is because the PSP is mounted on a bracket to keep it out of the way of the food display area.

Monitoring

The PSP is factory wired into the Dixell XR35CX cabinet controller and can be remotely monitored via RS485 modBUS.

Because the PSP is only heated by infrared, its internal temperature tracks slightly colder than the actual food product. Therefore the PSP has a +10degC "Offset" programmed into the Dixell XR35CX controller to compensate for this difference in temperature.

The controller is active even when the clean-out switch is off, so monitoring is not interrupted.

Lighting

VISAIR CABINETS - SERVICING

Test Lighting Components

Before replacing an LED strip, check that the power supply and drivers are working.

If there is no dc voltage at the output, the power supply or driver board should be replaced.

If there is a dc output, the LED strip must be replaced.

Remove Shelf

Unplug the lighting and heating cables, and lift out the shelf module.

See **Cleaning**.

Access to LED Strips



Remove two screws to release the LED assembly.

The LED strips are protected with plastic covers. Remove the plastic cover to access the LED strip.

The top light assembly is similar to the shelf lights, but the correct replacement unit must be used.

LED Strip Replacement



Individual LED modules cannot be replaced. A complete light assembly must be used.

Connection is made with a latching plug and socket.

Release the latch by pushing a small flat blade screwdriver into the upper orifice.

Fit a replacement module, pushing the connector until it clicks in place.

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OPEN FRONT CABINET/HEATED

Element Failure

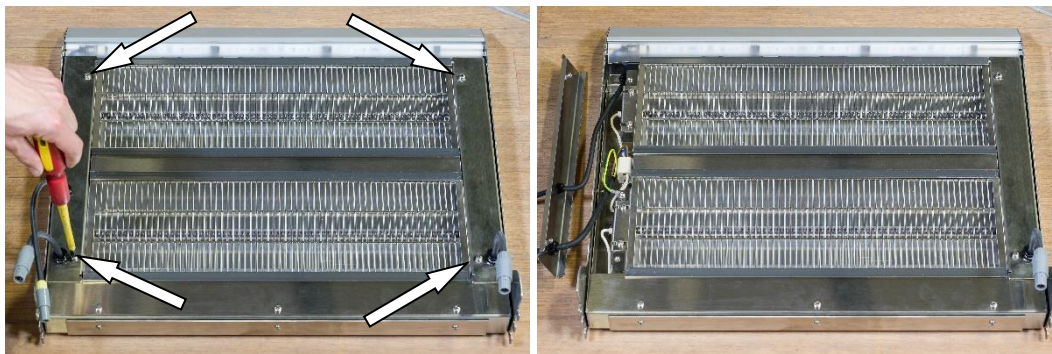
VISAIR CABINETS - SERVICING

Monitor Temperatures	Product temperatures in all shelf locations must be monitored, to detect failed elements.
Correction	First check and ensure that all the element shelf plugs are plugged in correctly. If a plug is found to be dislodged or un-plugged, insert the plug correctly and re-test the temperatures after 30 minutes.
Servicing	Locate and replace the faulty element or elements. Turn the cabinet power back on and check the operation of all elements. The front elements are turned on with the first cycle time and the rear elements are turned on with the second cycle time.

Element Replacement

VISAIR CABINETS - SERVICING

Remove Cover Plates



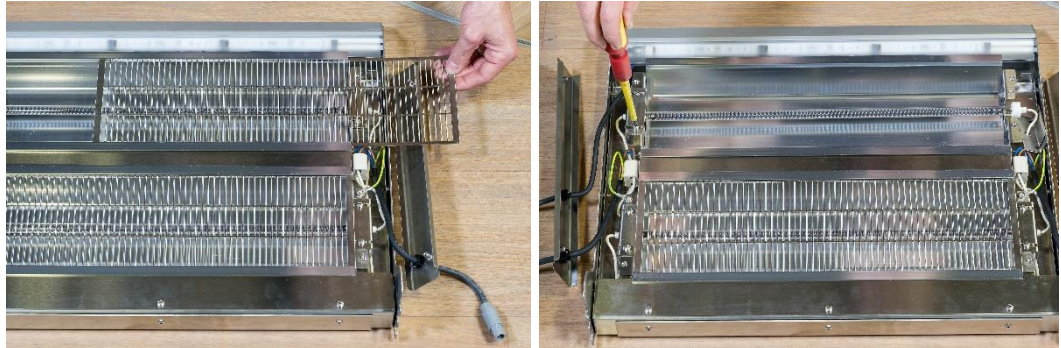
Remove the four screws that secure the cover plates on each side of the shelf.

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Element Replacement cont.

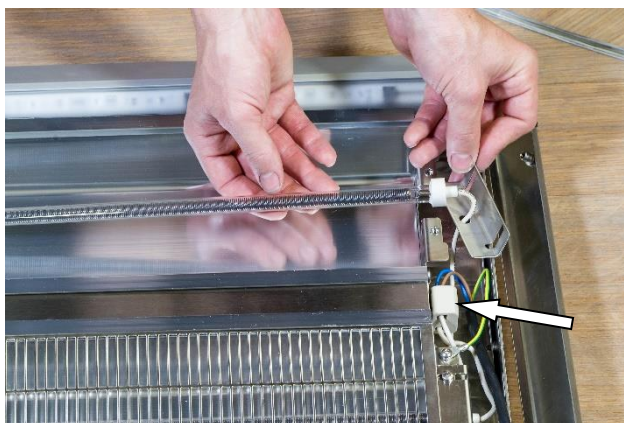
VISAIR CABINETS - SERVICING

Remove Grille



Slide out the grille from above the faulty element and remove the mounting brackets.

Replace Element



Disconnect the element tail cables from the ceramic terminal blocks at each side.

Fit a new element between the mounting brackets.

Position the brackets to allow for about 2mm expansion of the element.

Connect the tail cables to the ceramic terminal blocks.

Check Operation

Re-assemble the shelf and install it in the cabinet.

Turn the cabinet power back on and check that the fault is cleared.

When operating correctly, the front elements are turned on with the first cycle time and the rear elements are turned on with the second cycle time.

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Dixell Controller

VISAIR CABINETS - SERVICING

Temperature Regulator XR35CX



Model XR35CX is a microprocessor based controller.

See <http://www.dixell.com/home//ENG>

In this application it is configured as a heating controller, and unwanted functions are disabled.

XR35CX Key Functions

KEY	FUNCTION
SET	To display target set point; in programming mode it selects a parameter or confirm an operation
	(UP): To see the max. stored temperature; in programming mode it browses the parameter codes or increases the displayed value
	(DOWN): To see the min stored temperature; in programming mode it browses the parameter codes or decreases the displayed value
	To switch the instrument off, if onF = oFF. Not enabled

XR35CX Display the Set-point

To show the set-point value, press and immediately release the **SET** key.

Press and immediately release the **SET** key or wait for 5 seconds to display the probe temperature again.

XR35CX Change the Set-point

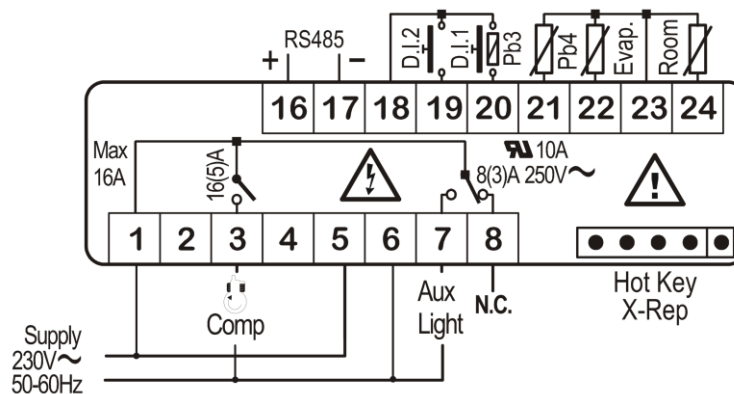
To change the set-point value, press the **SET** key for more than 2 seconds;

The value of the set-point will be displayed and the °C or °F LED starts blinking;

To change the set value push the or arrows within 10s.

To memorise the new set-point value push the **SET** key again or wait 10s.

XR35CX Connections



SPECIFICATIONS

Mechanical

VISAIR CABINETS - SPECIFICATIONS

	CABINET MODEL		
	IL-H-WW-VA12	IL-H-WW-VA18	IL-H-WW-VA24
Height	1474mm (1894mm)*	1474mm (1894mm)*	1474mm (1894mm)*
Width	1220 mm	1819 mm	2408 mm
Depth	713 (+ 50) mm	713 (+ 50) mm	713 (+ 50) mm
Dry Weight	250 kg (2 shelf) 272 kg (3 shelf) 313 kg (3 shelf tall)	300 kg (2 shelf) TBA kg (3 shelf) TBA kg (3 shelf tall)	400 kg (2 shelf) TBA kg (3 shelf) TBA kg (3 shelf tall)
Height Adjustment	-0 + 30mm (front)	-0 + 30mm (front)	-0 + 30mm (front)
Cabinet Material	Stainless steel	Stainless steel	Stainless steel
Number of Shelves	Two (three)* plus base	Two (three)* plus base	Two (three)* plus base
Display Area	1.5m ² (2 m ²)*	2.3 m ² (3 m ²)*	3 m ² (4 m ²)*
Climatic Class / IP	All cabinets are suitable for class N climates and have an IP 22 rating		
Cabinet Variants	Cabinets can be supplied in various formats: Three shelf, Two shelf, Standard height, Tall, with and without Rear Doors, Flat sides, with and without capping/cart guards. Cart guards increase the width by 50mm.		

Electrical

VISAIR CABINETS - SPECIFICATIONS

	CABINET MODEL					
	IL-H-WW-VA12 Two Shelf	IL-H-WW-VA12 Three Shelf	IL-H-WW-VA18 Two Shelf	IL-H-WW-VA18 Three Shelf	IL-H-WW-VA24 Two Shelf	IL-H-WW-VA24 Three Shelf
Supply Voltage	220 – 240V single phase	220 – 240V single phase	220 – 240V single phase	220 – 240V single phase	220 – 240V single phase	220 – 240V single phase
Maximum Current	13.2 A	17.2 A	20.4 A	26.3 A	26.4 A	35 A
Power	3.0 kW	4.0 kW	4.7 kW	6.0 kW	6.1 kW	8.1 kW
Energy Consumption						
Mains Connection	Terminals	Terminals	Terminals	Terminals	Terminals	Terminals
Lights	3 x LED strips	4 x LED strips	6 x LED strips	8 x LED strips	6 x LED strips	8 x LED strips
Heating Elements	6 x 800W radiant elements 1 x 296W wire base element	8 x 800W radiant elements 1 x 296W wire base element	12 x 600W radiant elements 2 x 296W wire base element	16 x 600W radiant elements 2 x 296W wire base element	12 x 800W radiant elements 2 x 296W wire base element	16 x 800W radiant elements 2 x 296W wire base element

CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

Temperature Controller Settings

VISAIR CABINETS - SPECIFICATIONS

Dixell XR35CX Settings	Parameter	IL-H-WW-VA12	IL-H-WW-VA18	IL-H-WW-VA24	Range/ Units
Set point	Set	75	75	75	degC
Real Time Clock Menu	rtc *	?	?	?	*if clock fitted
Differential	Hy	1	1	1	degC
Minimum Set Point	LS	0	0	0	degC
Maximum Set Point	US	85	85	85	degC
Evaporator Probe Presence	P2P	n	n	n	n=no Y=present
Third Probe Presence	P3P	Y	Y	Y	n=no Y=present
Fourth Probe Presence	P4P	Y	Y	Y	n=no Y=present
Fourth Probe Calibration	O4	10	10	10	degC
Anti Short-cycle Delay	AC	0	0	0	Min
Kind of Action	CH	Ht	Ht	Ht	CL, Ht
Action for Auxiliary Relay	ACH	CL	CL	CL	CL, Ht
Set Point for Auxiliary Relay	SAA	40	40	40	degC
Differential for Aux Relay	SHy	1	1	1	degC
Probe for Auxiliary Relay	ArP	P3	P3	P3	P1, P2, P3, P4
Digital Input Polarity	i2P	cL	cL	cL	oP, cL
Digital Input Configuration	i2F	FAn	FAn	FAn	EAL, bAl, PAL, dor, dEF, ES, AUS, Htr, FAn, HdF, onF
Digital Input Alarm Delay	did	0	0	0	Min
Auxiliary relay configuration	oA1	AuS	AuS	AuS	ALr, dEF, Lig, AuS, onF, FAn, db, cP2, dF2, HES
Current Hour	Hur	?	?	?	0-23
Current Minute	Min	?	?	?	0-59
Current Day	dAY	?	?	?	Sun-Sat
Modbus Address	Adr	?	?	?	1-247 allocated on site

Element Timing

VISAIR CABINETS - SPECIFICATIONS

	IL-H-WW-VA12	IL-H-WW-VA18	IL-H-WW-VA24	Range
Rear Elements	5 min ON (T1/B)	5 min ON (T1/B)	5 min ON (T1/B)	A=0.5-10min
Front Elements	5 min ON (T2/D)	5 min ON (T2/D)	5 min ON (T2/D)	E=0.5-10min

Compliance

VISAIR CABINETS - SPECIFICATIONS

Standards

FPG heated food display cabinets are designed to meet and exceed:

- International safety standards for electrical heated appliances: IEC 60335-1, IEC 60335-2-49, IEC 60335-2-50 and the equivalent country-specific standards including AS/NZS and BS EN.
- International standards for electromagnetic compatibility/emissions: CISPR 14-1, and the equivalent county-specific standards including AS/NZS CISPR and BS EN 55014-1.
- Essential safety requirements: AS/NZS 3820 and AS/NZS 4417

Please contact FPG to discuss your requirements for meeting country-specific standards.

Performance Aspects

The cabinet is HACCP compliant, with the following performance:

Cabinet Operating Temperature	Test Conditions
>65°C	22°C Ambient with 65% RH

Improvements

VISAIR CABINETS - SPECIFICATIONS

On-going Development

FPG reserves the right to change specifications and construction, as part of on-going product improvement.

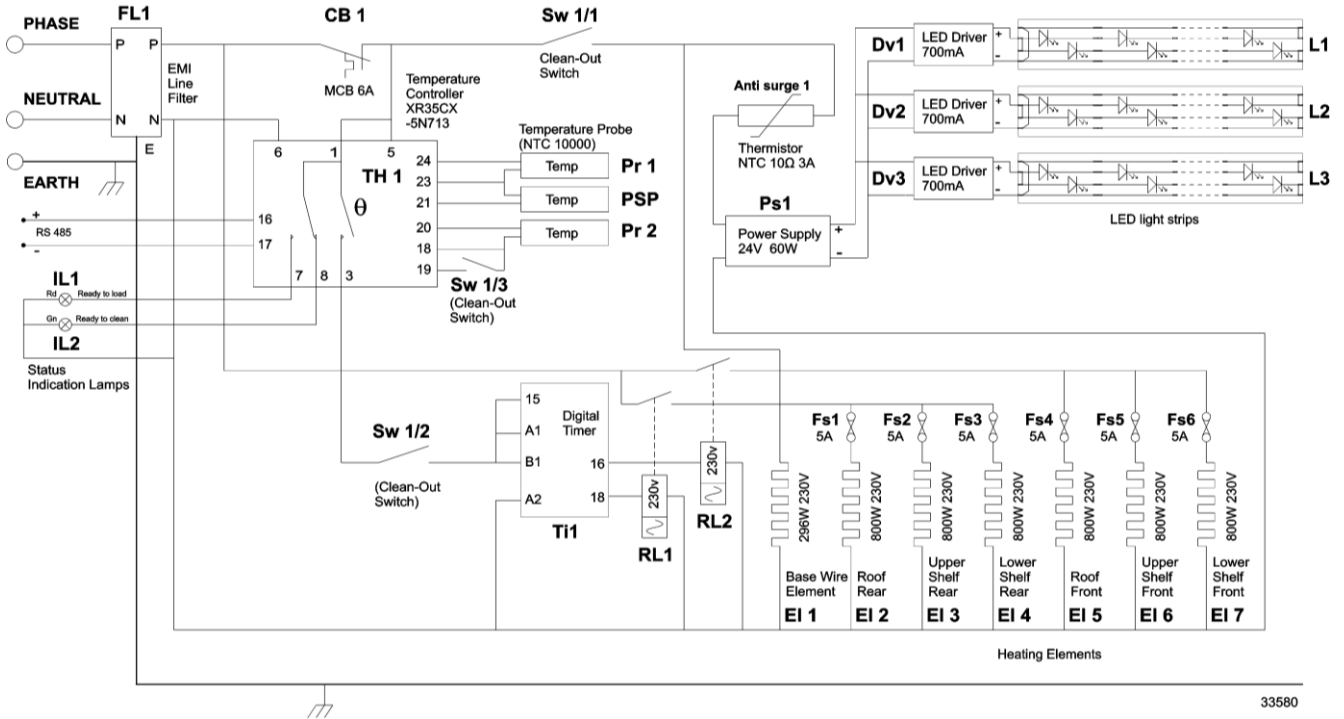
CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

ELECTRICAL CIRCUIT DIAGRAMS

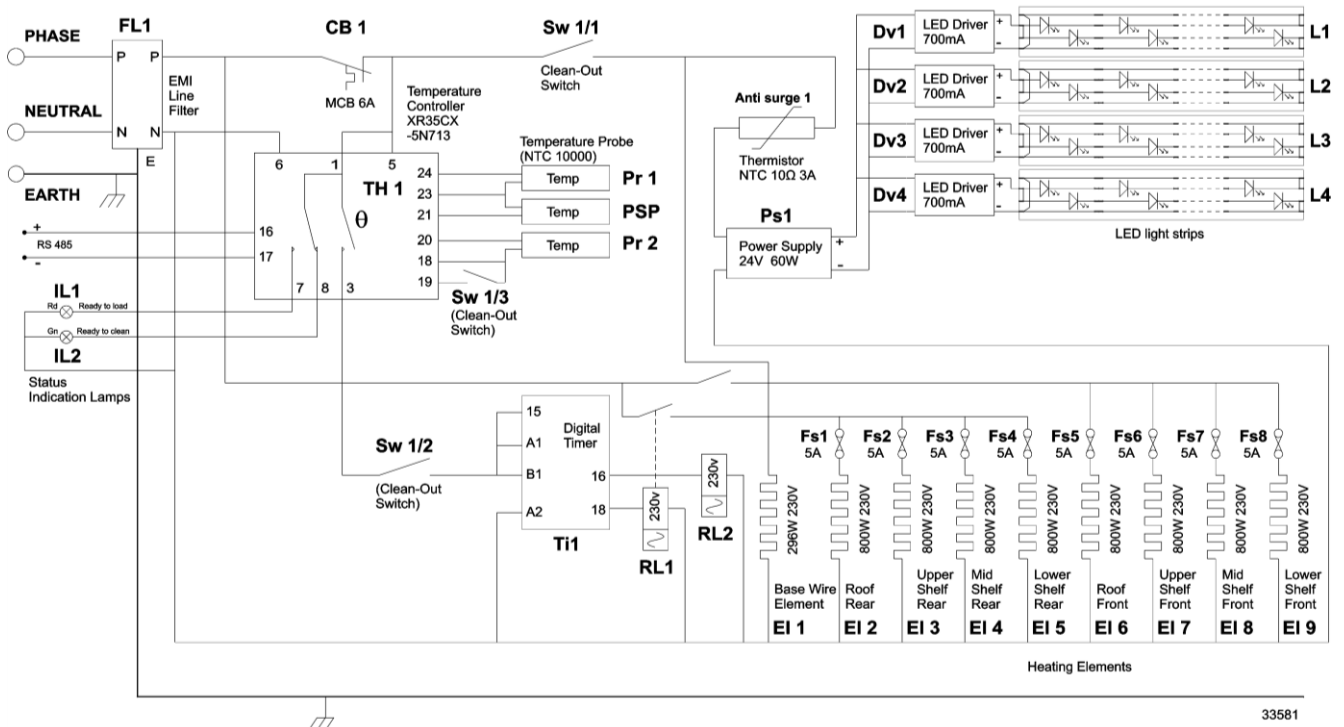
Model: IL-H-WW-VA12 (two shelf)

Visair Series, Open-front 1200mm Heated Cabinet



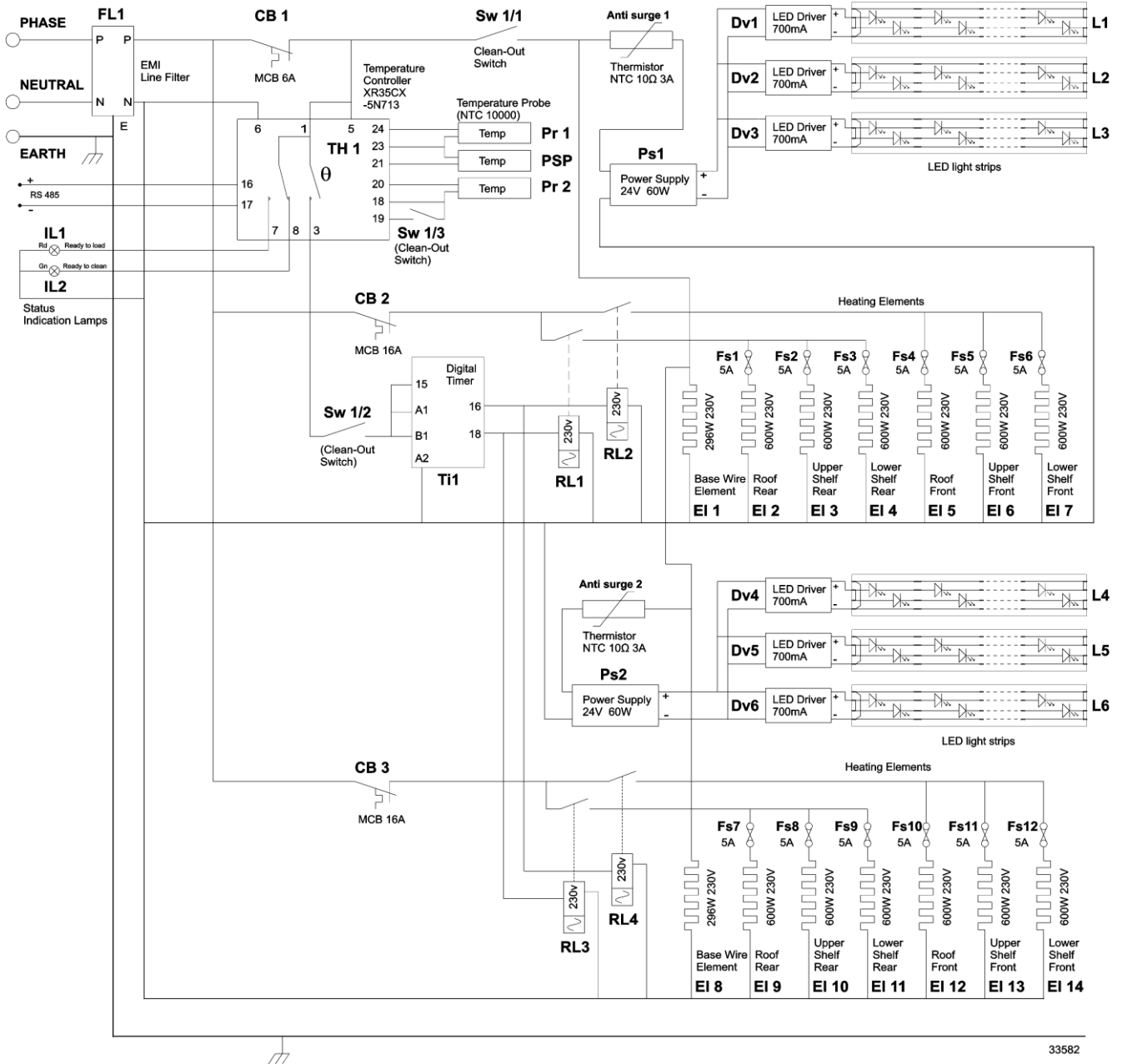
Model: IL-H-WW-VA12 (three shelf)

Visair Series, Open-front 1200mm Heated Cabinet



Model: IL-H-WW-VA18 (two shelf)

Visair Series, Open-front 1800mm Heated Cabinet



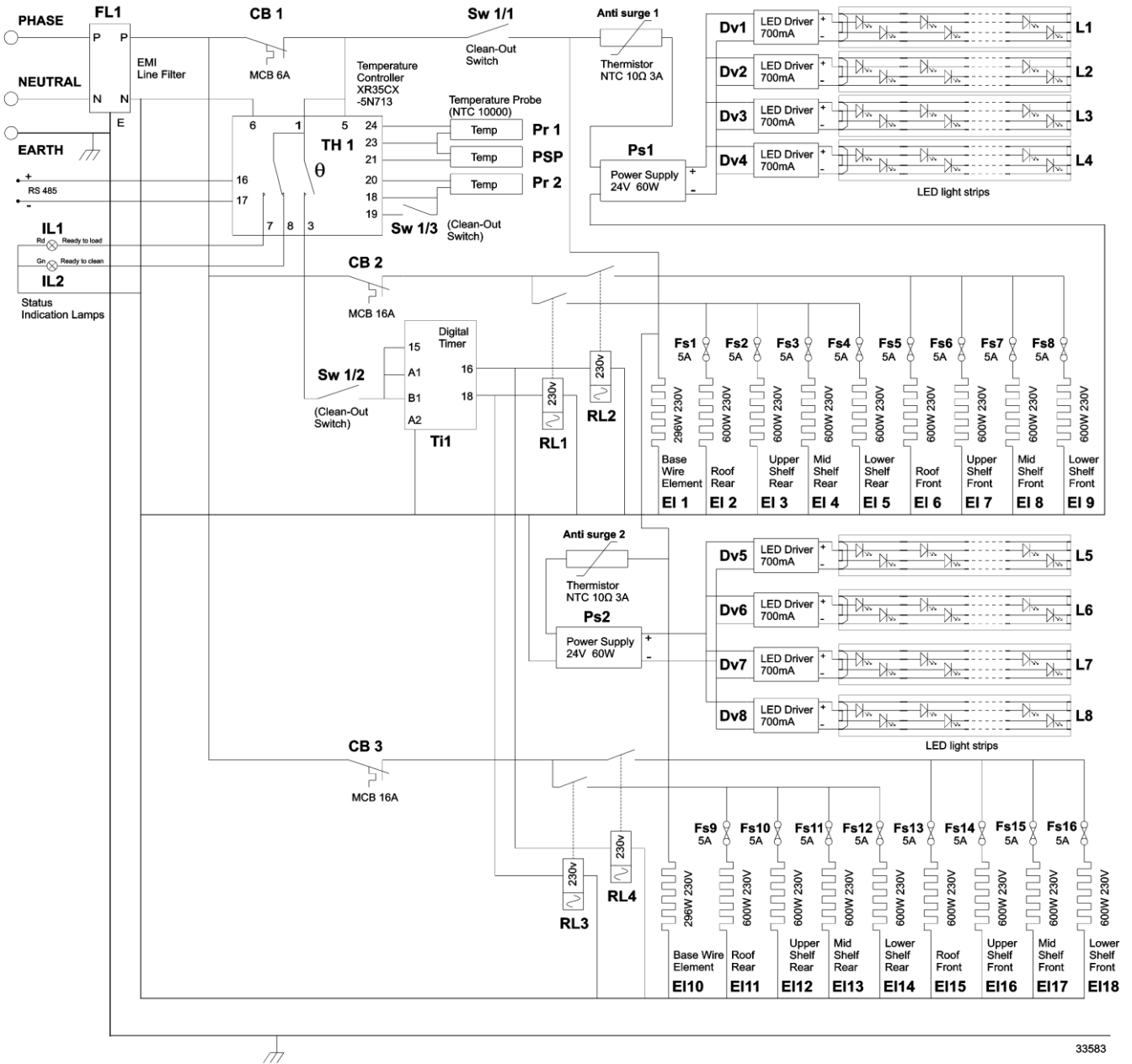
33582

CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

Model: IL-H-WW-VA18 (three shelf)

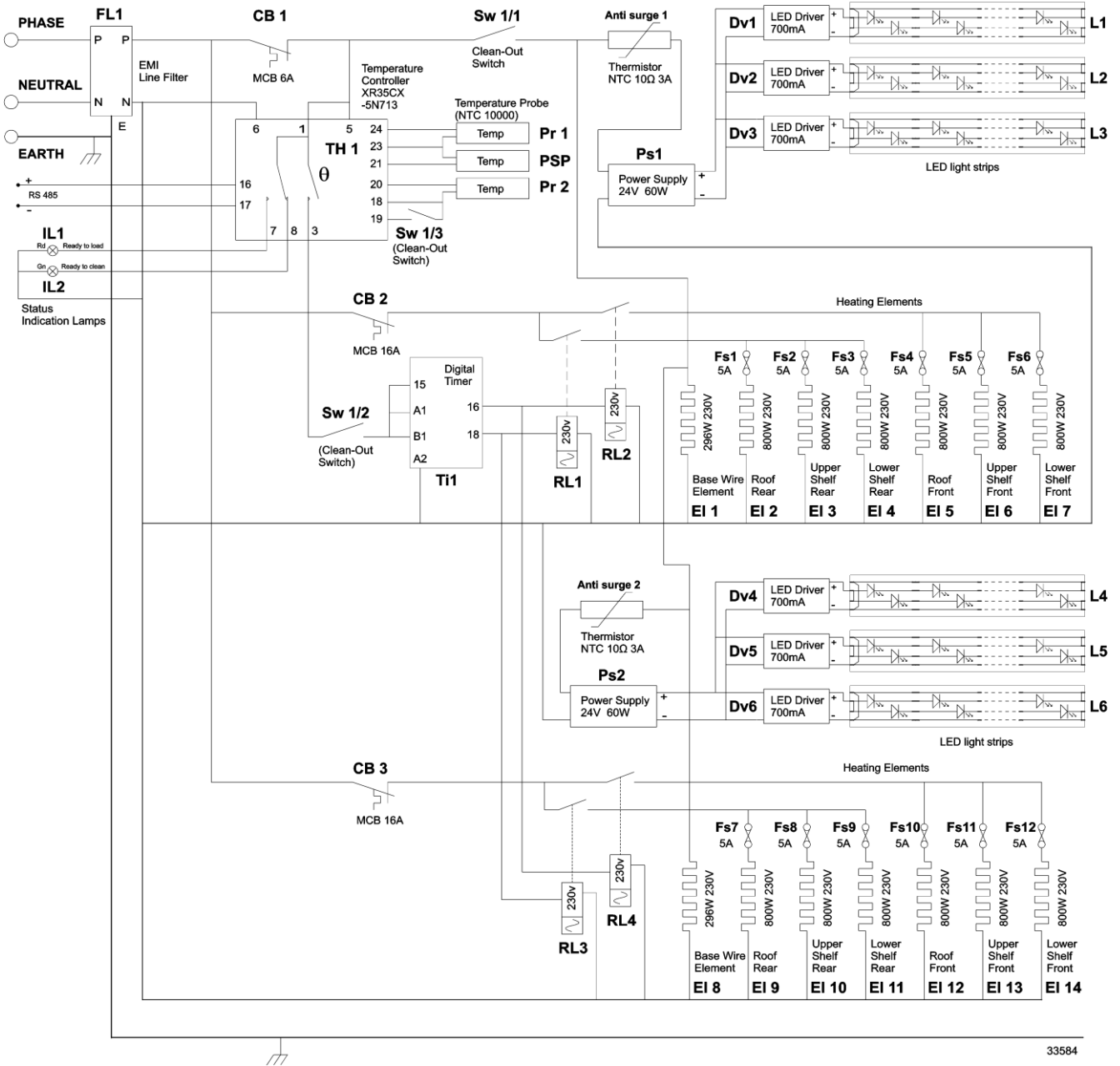
Visair Series, Open-front 1800mm Heated Cabinet



33583

Model: IL-H-WW-VA24 (two shelf)

Visair Series, Open-front 2400mm Heated Cabinet



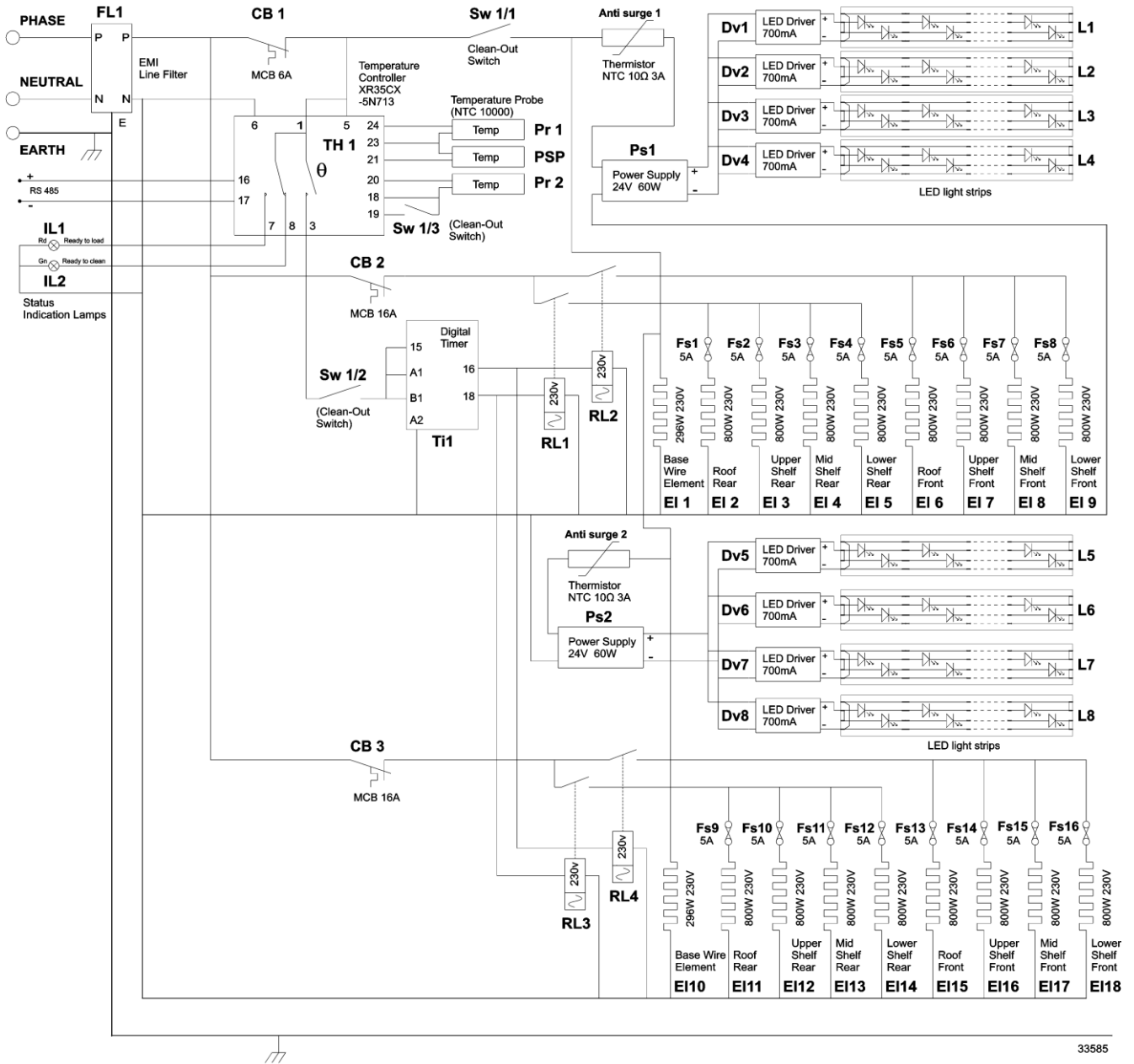
33584

CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

Model: IL-H-WW-VA24 (three shelf)

Visair Series, Open-front 2400mm Heated Cabinet



33585

SPARE PARTS

Cabinet Serial Number

When ordering spare parts, it is important to quote the Serial Number printed on the identification label. This will enable FPG to trace details of the build specification of your particular cabinet and hence ensure that spare parts are fully compatible.

To satisfy warranty conditions, and ensure optimum performance, use only FPG supplied spare parts.

Handed parts are labelled as viewed from the **REAR** of the cabinet.

Part Description	FPG Part Number
EMI Line Filter 16A	29763
EMI Line Filter 30A	30813
Clean-out Switch IP66 (three pole)	31937
Dixell XR35CX-5N713 Temperature Controller	24933
Silicone Encased Temperature probe assy.	31231
PSP (SILCOTRAC) probe assy.	31233
NTC Probe (Status indication)	31217
Red status indicator lamp 240V	20442
Green status indicator lamp 240V	17579
230V 30A Relay	16824
24V 60W power supply	21613
Ant-surge Thermistor 10 Ohm 3A	22354
LED Driver assy 4 x LDD-700L	69130
Light Replacement Kit for VH12 / VH24	72111
Light Replacement Kit for VH18	74459
Light diffuser (1200 / 2400)	27327
Light diffuser (1800)	29678
Relay SPDT 24V dc	26731
GIC digital cycle timer	29909
Circuit Breaker 6A	10522
Circuit Breaker 16A	10521
Fuse holder (ST 4-HESI)	18471
5A Slow Blow Fuse Link	13330
Radiant Heating Element 800W 230V	25825
Radiant Heating Element 600W 230V	25946
Base Heating Pad Assy 296W 1800 cabinets	78611
Base Heating Pad Assy 296W 1200/2400 cabinets	67803
LH Rear Door Assembly, includes door seal (900/1800)	74008
RH Rear Door Assembly (900/1800)	76687
LH Rear Door Assembly, includes door seal (1200/2400)	72100
RH Rear Door Assembly (1200/2400)	76684
Replacement Door Seal (1025mm length)	31798
Glass Up-stand 1200	24871
Glass Up-stand 1800	26051 x 2
Glass Up-stand 2400	24871 x 2
Product Manual for Visair Open Front Heated Cabinets	27793

CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

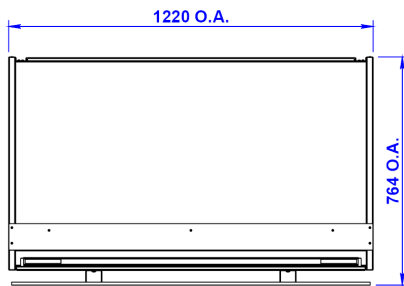
MECHANICAL DRAWINGS

Cabinet Variants

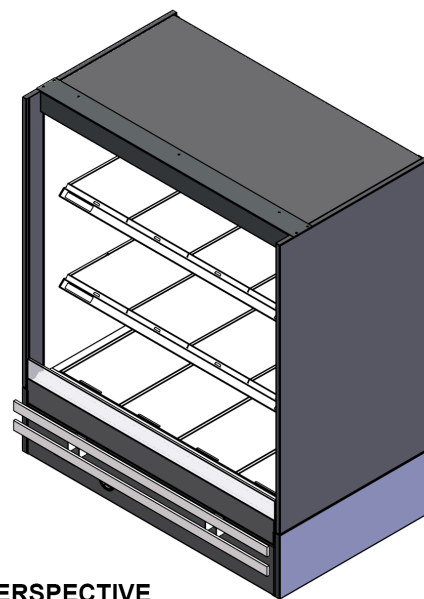
Cabinets can be supplied in various formats:

- Three shelf
- Two shelf
- Standard height
- Tall
- With rear loading doors

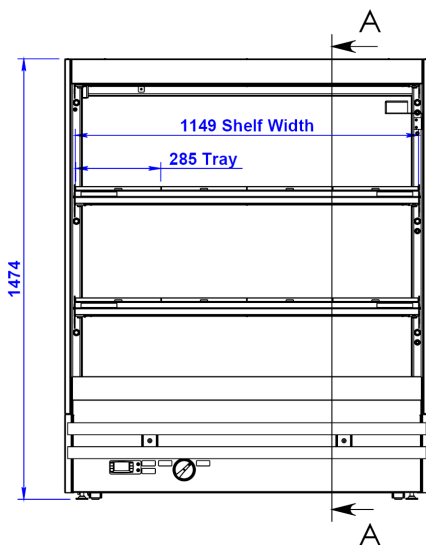
1200 Standard Height Cabinet



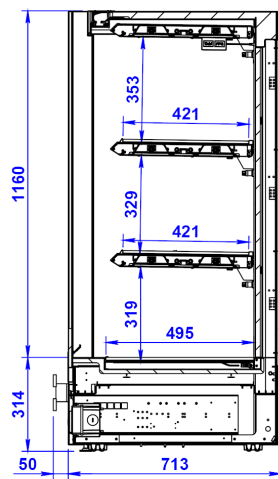
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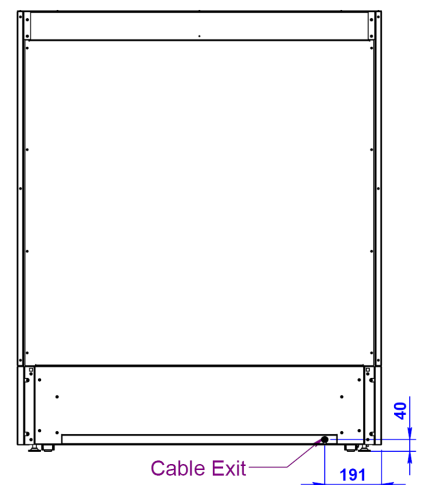
PERSPECTIVE



FRONT ELEVATION

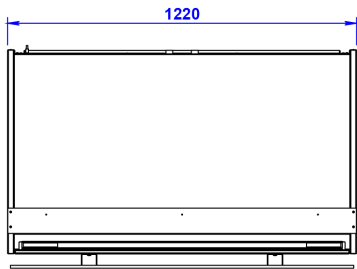


SECTION A-A

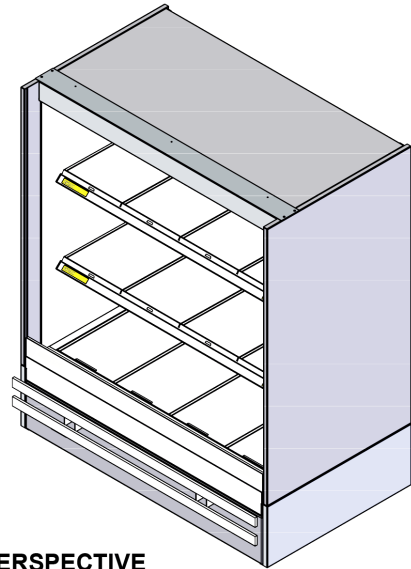


REAR ELEVATION

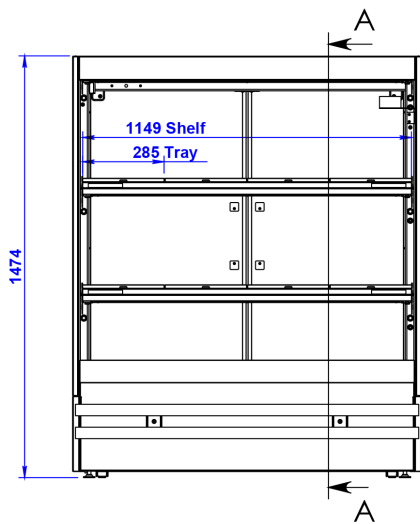
1200 Standard Height Cabinet with Rear Doors



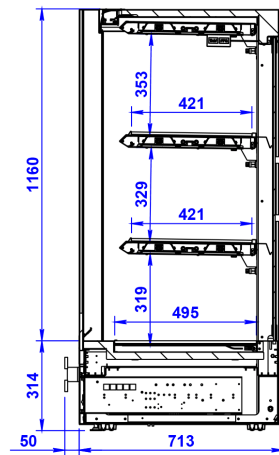
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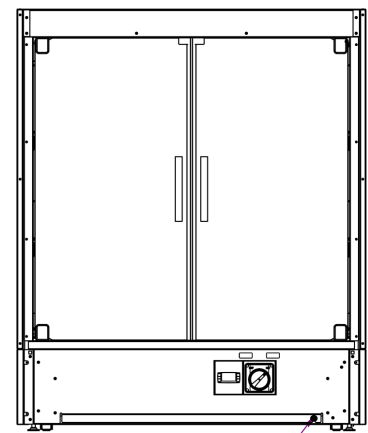
PERSPECTIVE



FRONT ELEVATION



SECTION A-A

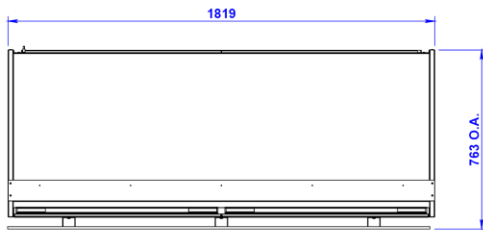


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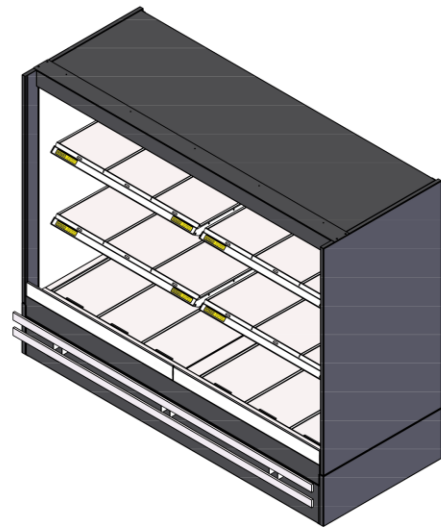
CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

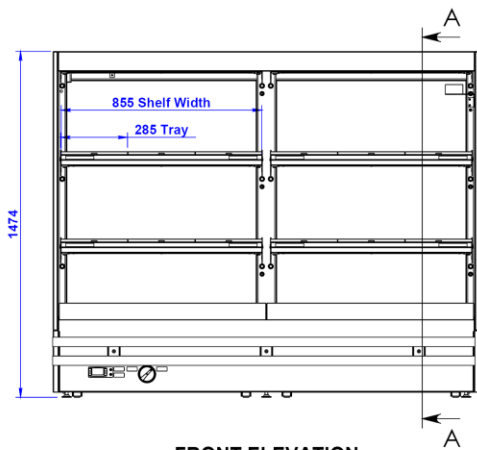
1800 Standard Height Cabinet



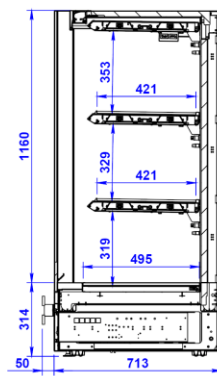
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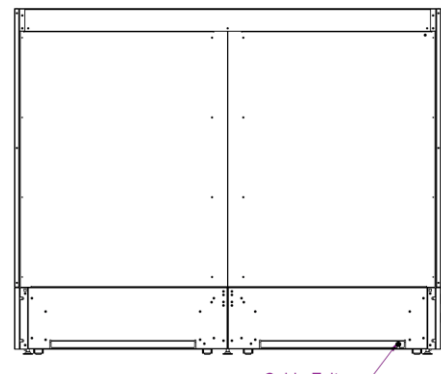
PERSPECTIVE



FRONT ELEVATION

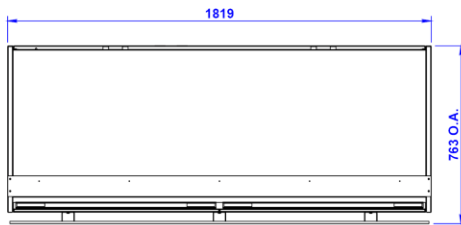


SECTION A-A

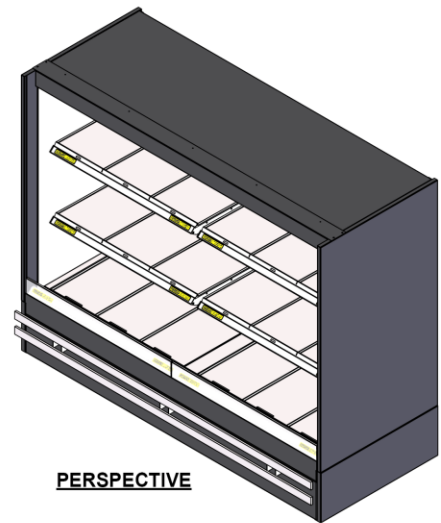


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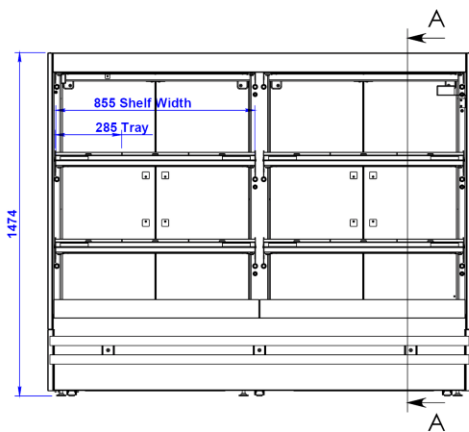
1800 Standard Height Cabinet with Rear Doors



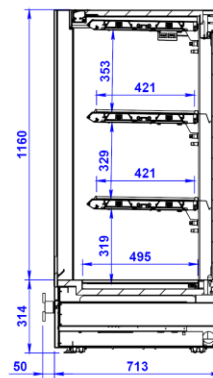
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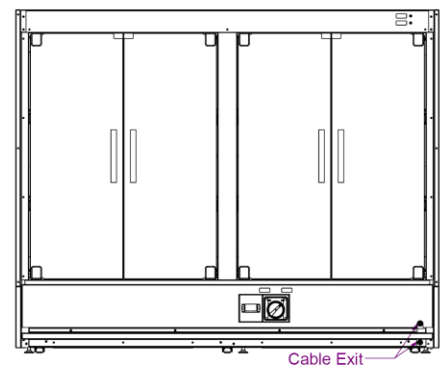
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FRONT ELEVATION



SECTION A-A

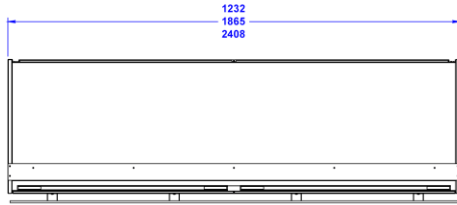


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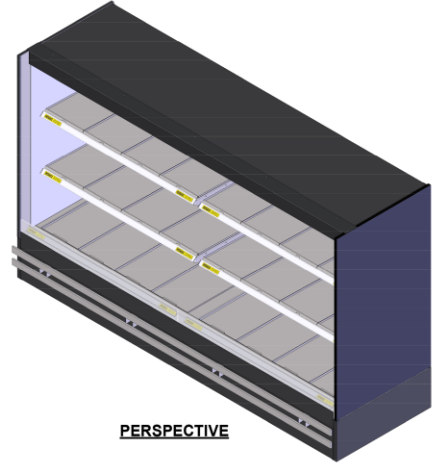
CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

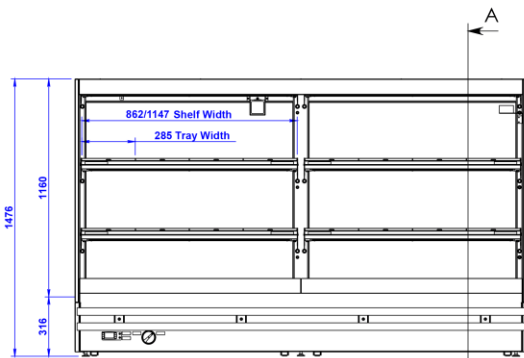
2400 Standard Height Cabinets



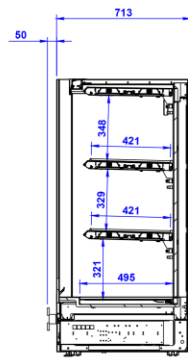
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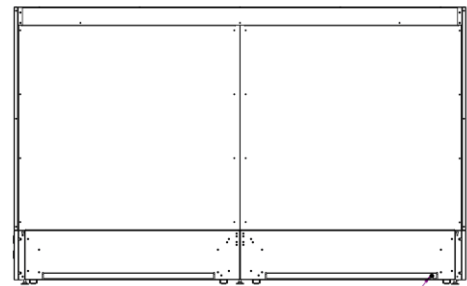
PERSPECTIVE



FRONT ELEVATION

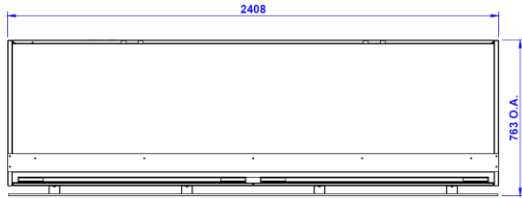


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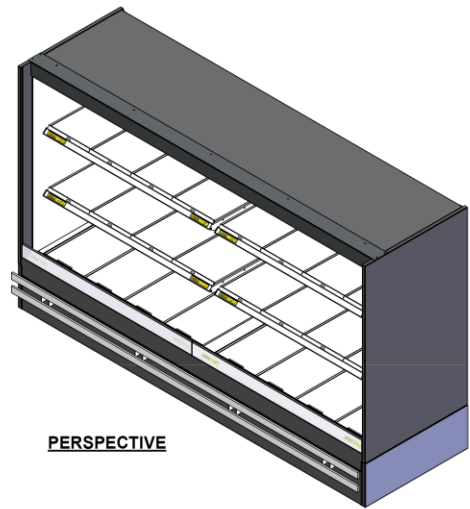


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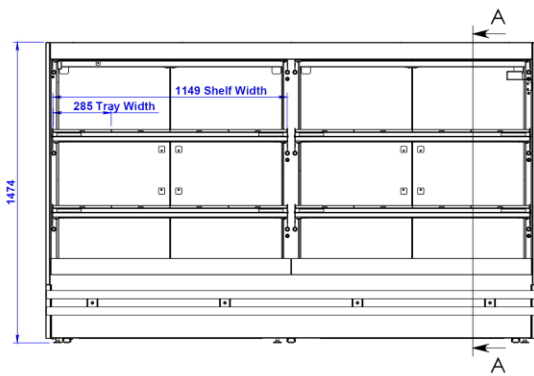
2400 Standard Height Cabinet with Rear Doors



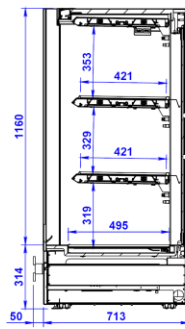
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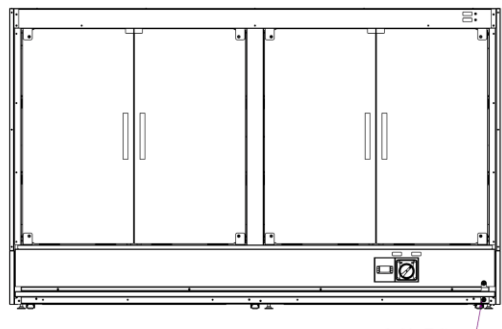
PERSPECTIVE



FRONT ELEVATION



SECTION A-A



REAR ELEVATION

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WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

CUSTOM

WOOLWORTHS VISAIR
OPEN FRONT CABINET/HEATED

Revision History

Revision Level	Date of Change	Change Details
S	27/04/23	Voltage specification changed from 230-240V to 220-240V
T	14/06/23	Clean-out switch configuration changed on ccts 31007 & 31296 to be same as 31011
	11/08/23	Voltage rating of elements changed from 240V to 230V
U	17/04/24	New circuits and spares for revised element ratings
	03/05/24	Circuits now with single Digital Timer and no Element Relay
V	16/09/24	Extra information about mains supply connection added. No mains leads fitted.

PRODUCT MANUAL 27793

REV V SEPT 2024

In line with our policy to continually develop, improve and support our products, Future Products Group Ltd reserves the right to change specifications and design without notice.

Have a question? Please email us at: sales@fpgworld.com or visit www.fpgworld.com for full contact details for your region.

Worldwide
contact
details:

