

PRODUCT MANUAL

26114 REV K
NOV 2021



INLINE

3000 SERIES
SQUARE
AMBIENT



WIDTHS: 600mm, 900mm, 1200mm, 1500mm
FIXED FRONT, SLIDING REAR DOORS
IN-COUNTER, ON-COUNTER or FREESTANDING

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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.

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

AMBIENT 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 install, 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

AMBIENT 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

Warranty cont.

AMBIENT CABINETS - INTRODUCTION

Liability Exceptions

Liability under this warranty does not include:

- Any loss, or damage or expenses directly or indirectly arising from use 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, flooding, 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.
 - 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

AMBIENT CABINETS - OPERATION

3000 Square Series Cabinets The 3000 Square Series cabinets include Ambient, Heated and Refrigerated models.

On Counter, In Counter and Free Standing models are available.

Door Configuration

Sliding doors can be fitted to the front and back of the cabinets.

Fixed glass can be fitted in place of doors at the front.

Shelf Lighting

Cabinets are fitted with a top light as standard. Lights below each shelf are available as an optional extra, at the time of ordering.

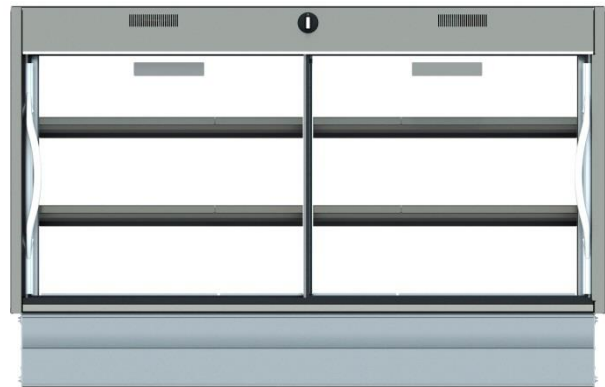
Cabinets are fitted with high efficiency LED lighting.

Controls

AMBIENT CABINETS - OPERATION

Control Panel

The controls are mounted on the back of the cabinet, at the top.



Power and Lights

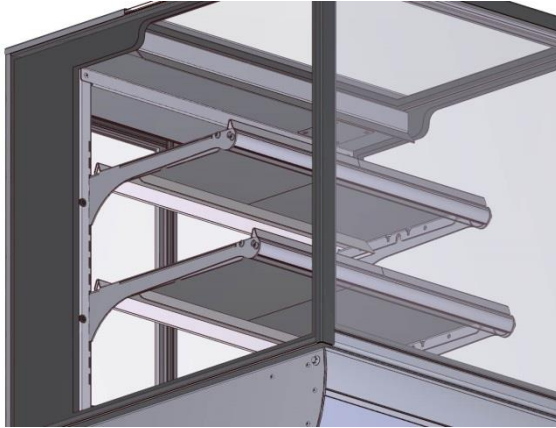
To turn the power and lights on, rotate the main switch.

The lights and extractor fan will operate.

Preparation

AMBIENT CABINETS - OPERATION

Shelf Location and Ticketing

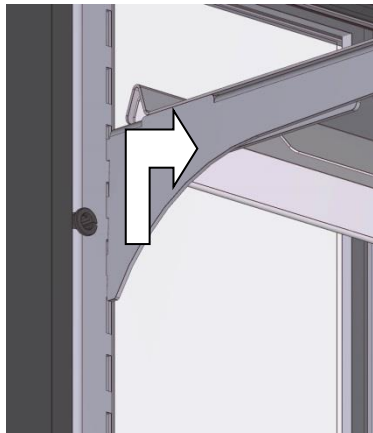


The shelves are adjustable in height and can easily be moved up or down, to match product size.

The movement is restricted to 50mm, because of the electric cables to the lights. For greater movement contact the manufacturer or supplier for advice, as electrical modifications may be required.

The front and rear edges of the shelves are profiled to carry ticketing/labels.

Shelf Adjustment



To move the shelf brackets, first remove the shelf trays.

Lift the brackets straight up firmly and then pull the brackets forward, to disengage them from the slots in the support posts.

Insert the brackets into their new position, and push bracket down firmly.

The brackets may be positioned to give two different degrees of slope to the shelves.

Refit all shelf trays and doors.

N.B. Make sure brackets are pushed down as far as they can go. Failure to do this may result in shelf collapse, when loaded with product.

Fumes and Odours

Before first use, operate the cabinet for 1-2 hours with the doors open, to remove any fumes or odours, which may be present. This will avoid possible tainting of food.

Close Doors

It is important to keep the cabinet doors closed during normal use, to prevent food drying out.

Turn on Lights

When ready for service, turn on the cabinet lights.

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
	Internal fuse has blown	<i>Have wiring checked and replace fuse (5A Slow Blow)</i>
	The main switch on the cabinet is OFF	Turn the main switch ON
Cabinet lights not working	The main switch is OFF	Turn the switch ON
	LED Power supply has failed	<i>Replace LED power supply</i>
	LED strip has failed	<i>Replace the LED assembly</i>
	Fuse has blown	<i>Check wiring and replace fuse (5A Slow Blow)</i>
Doors are not sliding smoothly	Door not in track	Install door correctly in track
	Debris in track	Clean door tracks (see cleaning)
	Lack of lubricant	Apply food grade lubricant to door track
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

Cautions

AMBIENT CABINETS - CLEANING

Power **ALWAYS TURN THE POWER SUPPLY OFF BEFORE CLEANING.**

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

Exterior

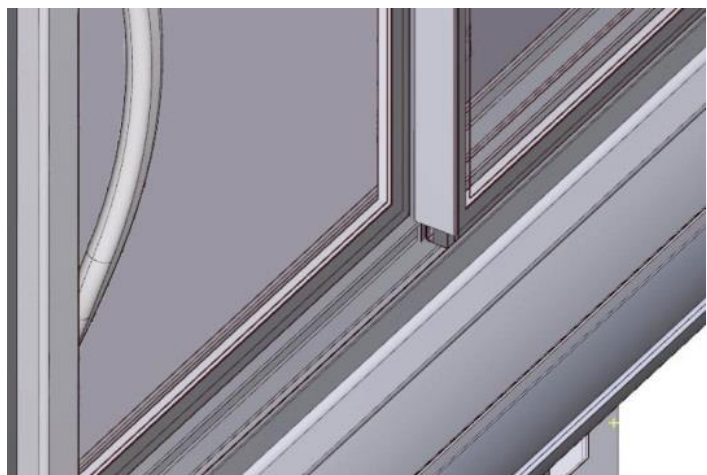
AMBIENT CABINETS - CLEANING

Metal Surfaces Stainless steel or aluminium surfaces should be cleaned with hot soapy water or a good quality metal cleaning compound. **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.

Sliding Doors Sliding glass doors are located by plastic guides at the top and bottom.

The doors can be removed for cleaning by sliding the door to a central position, placing hands either side of the door, lifting it up and then swinging it out at the bottom.



When replacing doors, make sure that they are located in the correct slots, top and bottom. The left door should be in the inner slots, and the right door in the outer slots.

Sliding door tracks should be vacuumed out regularly to keep doors sliding freely.

Interior

AMBIENT CABINETS - CLEANING

Access to the Cabinet Interior Remove the doors, by sliding them to the centre and lifting, to disengage them from the door tracks.

Lift out the deck trays.

The cabinet interior can now be cleaned.

Trays and Shelves

Stainless steel trays and shelves should be cleaned with hot soapy water. Do not use abrasive pads or cleaners, as these may damage surfaces.

Warning: Dishwasher detergents will damage any anodised aluminium parts.

Routines

AMBIENT CABINETS - CLEANING

Schedules To maintain optimum performance, regular cleaning schedules should 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.

Fault 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.

INSTALLATION

Regulations

AMBIENT 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

AMBIENT CABINETS - INSTALLATION

Unpacking

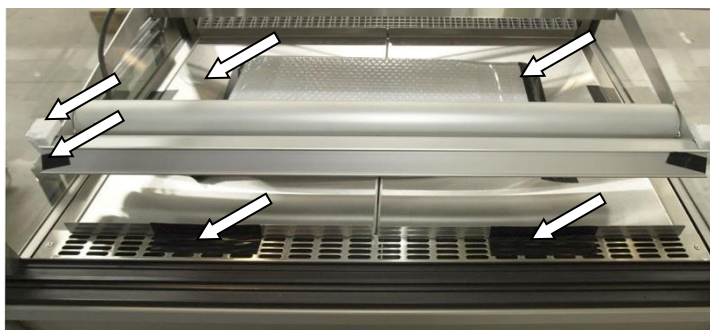
Unpack and check unit for damage and report any damage to the carrier and supplier. Report any deficiencies to your supplier.

The display cabinet is supplied fully assembled, but the compressor unit and shelf trays are packed separately.

Site Preparation

Ensure the cabinet location and any bench cut outs are made to the precise measurements shown in the Mechanical Drawings. Position the cabinet in its allocated working position. Use a spirit level to ensure the cabinet is level from side to side and front to back.

Cabinet Preparation



Remove all protective plastic film, tapes, ties and packers, used to prevent movement during transit.

Shelf Trays

Remove the shelf trays from their packing, peel off any protective plastic coating and assemble them on the support members.

Fit the correct size trays for each shelf level.

Continued on next page

Setting Up cont.

AMBIENT CABINETS - INSTALLATION

Grounding

WARNING: THIS APPLIANCE MUST BE GROUNDED TO EARTH

The grounding lead, in the mains cable, must always be connected to ground.

A binding post is also provided adjacent to the control gear chassis, to allow the cabinet to be bonded to a surge grounding conductor or to adjacent equipment, should this be required.

Power Supply

Before connecting to the power supply, check that the local supply is correct to that shown on the rating plate, located on the rear of the cabinet.

Isolation

If the cabinet is not connected by a plug and socket, but is hard wired to the mains supply, a means of isolation must be provided.

If a plug and socket are used, they should still be accessible after the cabinet is installed.

SERVICING

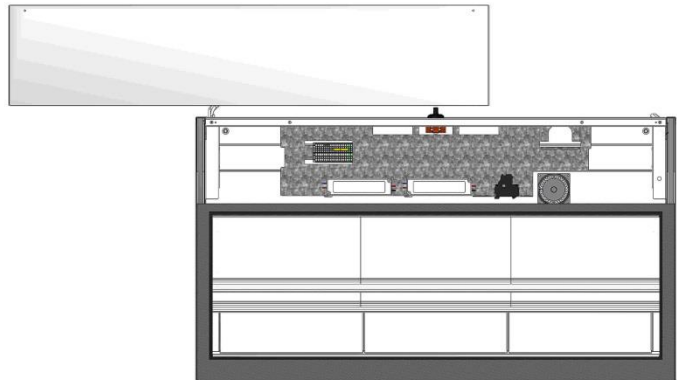
Control Gear

AMBIENT CABINETS - SERVICING

Location The electrical control gear is located in the top of the cabinet.

Remove the top plate to access the control gear.

The chassis has power supplies for the lights, an extractor fan and a protective fuse.



Lighting

AMBIENT CABINETS - SERVICING

Caution Do not service lights without isolating the cabinet from the mains supply.

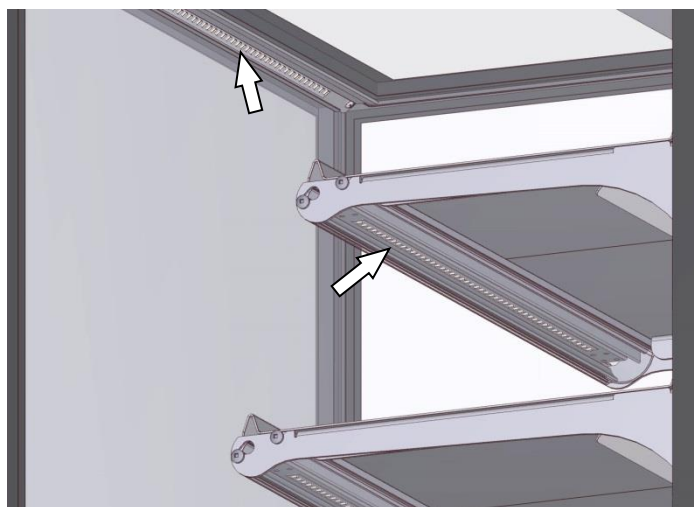
Shelf Lights Shelf lights are an optional extra, which can be fitted during manufacture.

Test Lighting Components Before replacing an LED strip, check that the power supply is working. If there is no dc voltage at the output, the power supply should be replaced. If there is a dc output, the LED strip must be replaced.

Access to LED Strips The LED strips are protected with plastic covers. These clip into grooves in the aluminium extrusion.

Remove the plastic cover to access the LED strip.

The top light assembly is different from the shelf lights, so the correct replacement unit must be used.



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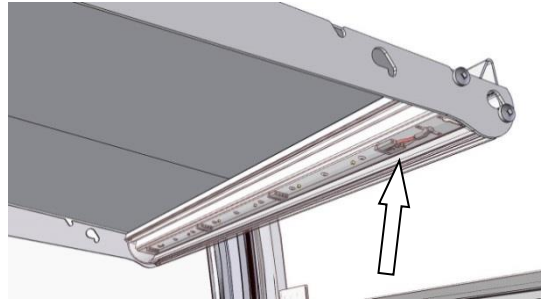
Lighting cont.

AMBIENT CABINETS - SERVICING

LED Strip Replacement

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

Connection is made with a plug and socket. Disconnect the supply lead from the faulty unit, and reconnect it to the replacement unit.



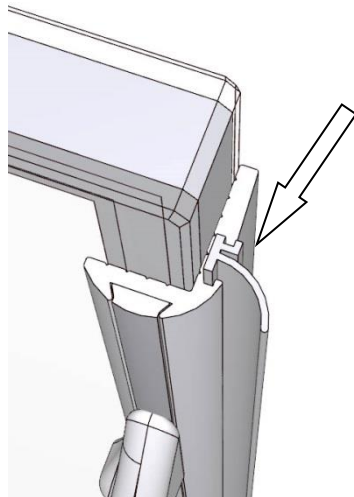
Door Seals

AMBIENT CABINETS - SERVICING

Seal Replacement

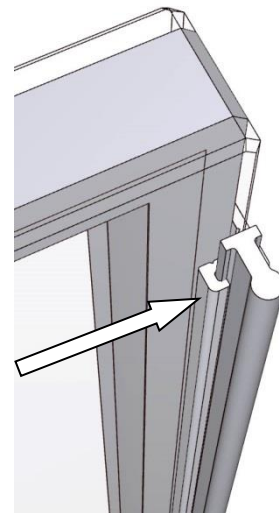
The doors should be removed to allow the old seals to be removed and the new ones fitted. See the Cleaning section for details.

Sliding Doors



Each sliding door has a rubber seal between the door and the cabinet end panel. The seal slides into a groove in the door extrusion, and can be withdrawn and replaced, if damaged.

A centre seal is fitted between the inner and outer doors. The Qlon seal is located in a slot in the aluminium extrusion, and can be replaced if damaged.



SPECIFICATIONS

Mechanical

AMBIENT CABINETS - SPECIFICATIONS

	CABINET MODEL			
	IN 3A06S	IN 3A09S	IN 3A12S	IN 3A15S
Height (Counter Top)	781 (+321) mm	781 (+393) mm	781 (+393) mm	781 (+393) mm
Height (In Counter)	621 (+481) mm	621 (+553) mm	621 (+553) mm	621 (+553) mm
Height (Free Standing)	1272 (-0+30) mm	1272 (-0+30) mm	1272 (-0+30) mm	1272 (-0+30) mm
Width	600 mm	900 mm	1200 mm	1500 mm
Depth	662 mm	662 mm	662 mm	662 mm
Dry Weight				
Cabinet Well Material	Stainless steel			
Cabinet Colour	Grey and natural anodised aluminium.			
Top Lighting	Standard			
Shelf Lighting	Optional			
Glass Type	Double glazed			
Front Doors	Fixed glass or Sliding Doors			
Number of Shelves	Two plus base			
Display Area	0.51 m ²	0.85 m ²	1.3 m ²	1.8 m ²
Climatic Class & IP	Cabinets are tested under Climate Class 3 conditions and have IP 20 ratings			

Electrical

AMBIENT CABINETS - SPECIFICATIONS

	CABINET MODEL			
	IN 3A06S	IN 3A09S	IN 3A12S	IN 3A15S
Voltage	220 - 240 V 50 Hz 1 ϕ			
Power (with shelf lights)	20 W	31 W	37 W	55 W
Current (with shelf lights)	0.08 A	0.13 A	0.16 A	0.24 A
Connection	3 pin plug, 10 A lead			
Temperature Range	Ambient			
Top Lights	1 x LED strip	1 x LED strip	1 x LED strip	1 x LED strip
Optional Shelf Lights	2 x LED strips	2 x LED strips	2 x LED strips	2 x LED strips

Compliance

AMBIENT CABINETS - SPECIFICATIONS

Standards

FPG refrigerated, controlled ambient and ambient food display cabinets are designed to meet and exceed:

- International safety standards for electrical appliances: IEC 60335-1, IEC 60335-2-89, and the equivalent country-specific standards including AS/NZS, BS EN and UL 471.
- 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
- Energy efficiency for refrigerated appliances: MEPS (Australia/New Zealand)

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

Improvements

AMBIENT CABINETS - SPECIFICATIONS

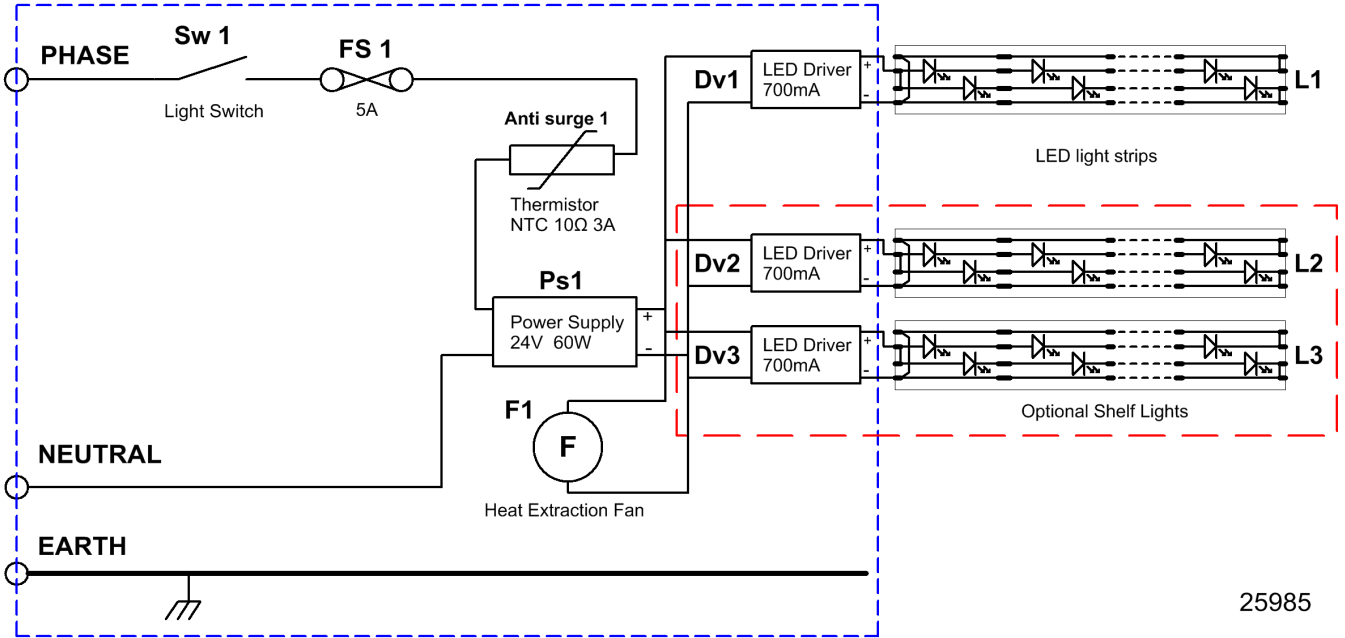
Ongoing Development

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

ELECTRICAL CIRCUIT DIAGRAMS

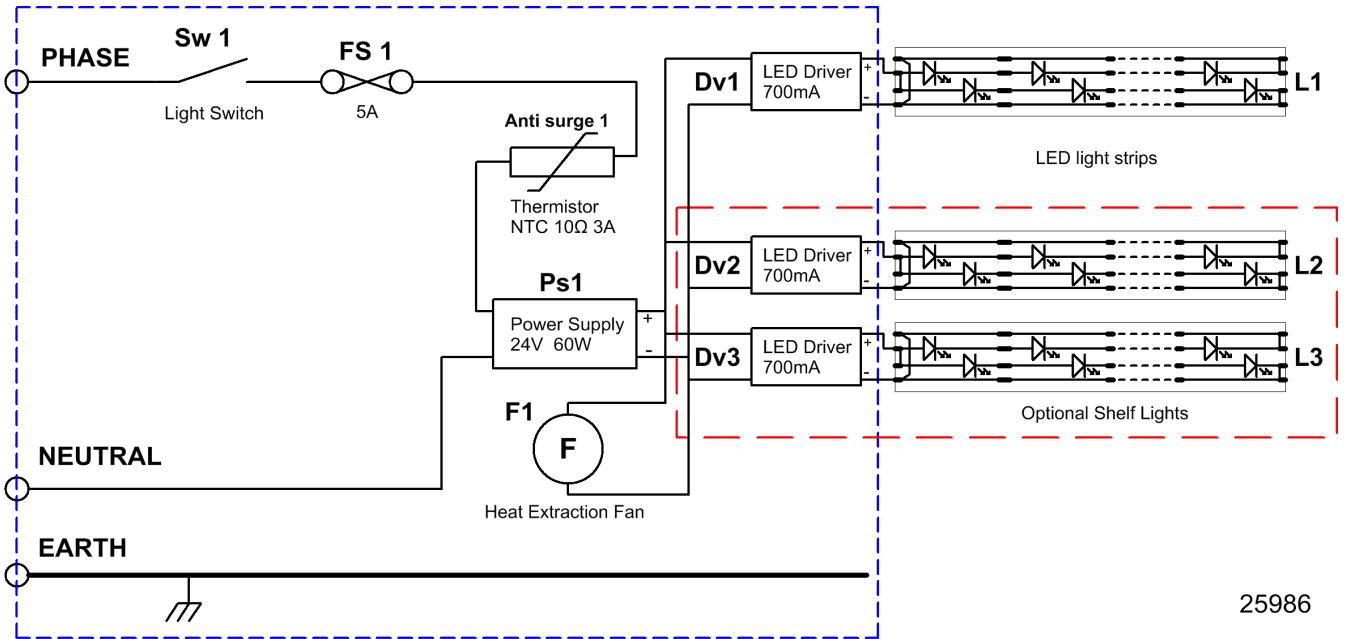
Model: IN 3A06-SQ

Inline 3000 Square Series, 600mm Ambient Cabinet



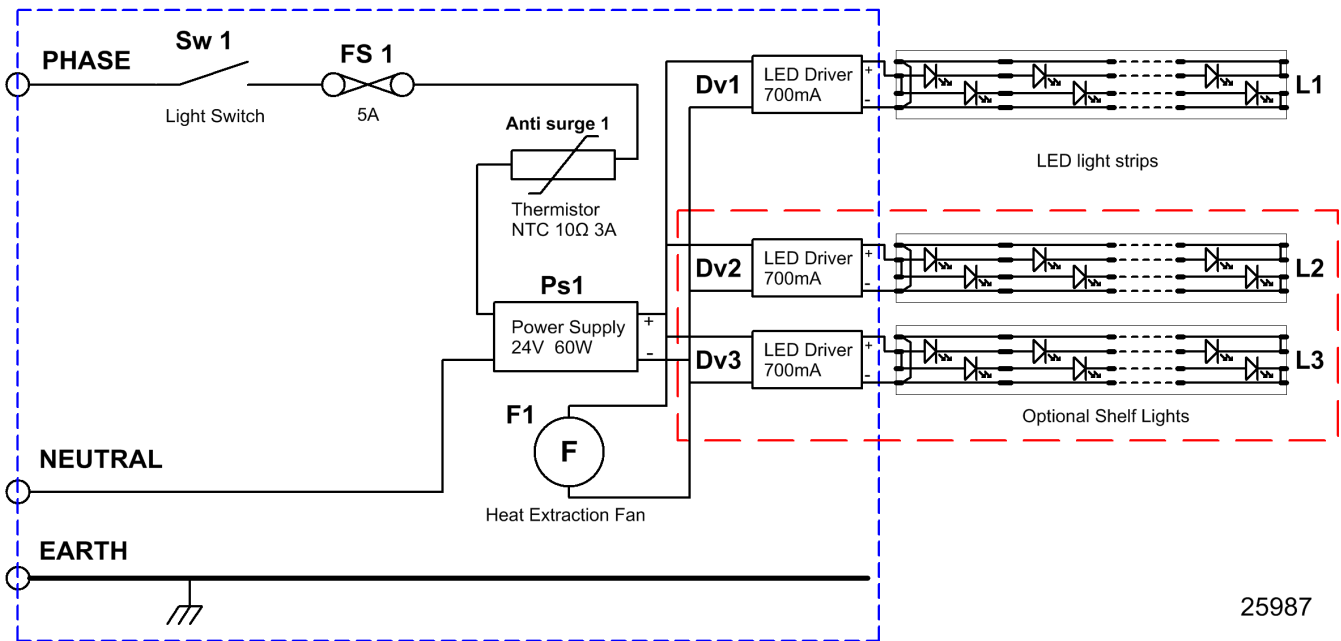
Model: IN 3A09-SQ

Inline 3000 Square Series, 900mm Ambient Cabinet



Model: IN 3A12-SQ

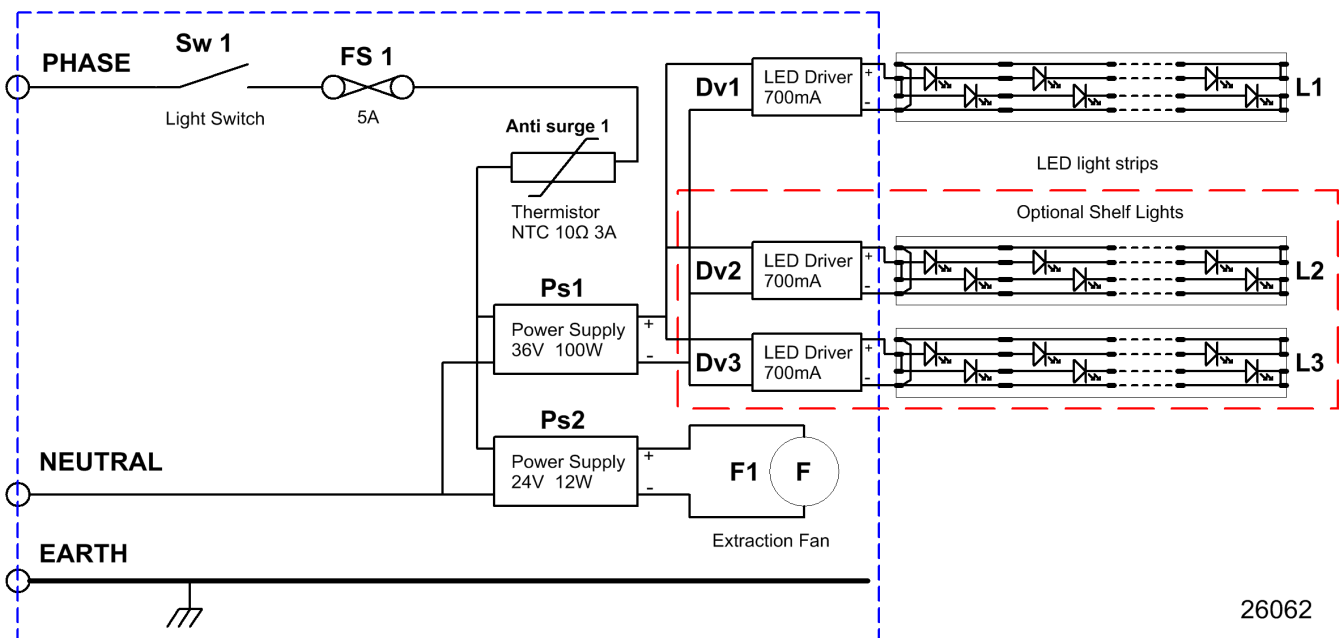
Inline 3000 Square Series, 1200mm Ambient Cabinet



25987

Model: IN 3A15-SQ

Inline 3000 Square Series, 1500mm Ambient Cabinet



26062

SPARE PARTS

Cabinet Serial Number

When ordering spare parts, it is important to quote the Serial Number printed on the label fixed to the control panel. 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.

Part Description	FPG Part No.
Main & Light Switch, EGO	14372
Fuse Link (5A, 250V, Slow Blow)	13330
Knob (light switch)	14374
Ant-surge Thermistor 10 Ohm 3A	22354
24V 60W LED power supply	21613
36V 100W LED power supply	25922
24V 12W Fan power supply	25184
LED Driver 700mA	25762
Polycarbonate Light Cover 1120mm	18113
Polycarbonate Light Cover 720mm	18114
Top Light Replacement Kit for 3A06 (Sliding Door / Fixed Front)	69964 / 69862
Shelf Light Replacement Kit for 3A06	70321
Top Light Replacement Kit for 3A09 (Sliding Door / Fixed Front)	70357 / 69861
Shelf Light Replacement Kit for 3A09	69402
Top Light Replacement Kit for 3A12	70378
Shelf Light Replacement Kit for 3A12	70380
Top Light Replacement Kit for 3A15 (Sliding Door / Fixed Front)	70382 / 70381
Shelf Light Replacement Kit for 3A15	70383
Extraction Fan 24Vdc	28390

Spare Parts Continued

Location of Glass Parts In the following table, handed glass parts are labelled as viewed from the REAR of the cabinet.

Part Description	FPG Part No.
<i>All glass parts are double glazed</i>	
LH Square DG End Glass Replacement Kit	70367
RH Square DG End Glass Replacement Kit	75992
600 Square DG Fixed Front Glass Replacement Kit	75986
600 Square DG Top Glass Replacement Kit	75941
Rear Inner Sliding Door (600)	69165
Rear Outer Sliding Door (600)	69166
Front Inner Sliding Door (600)	69167
Front Outer Sliding Door (600)	69168
900 Square DG Fixed Front Glass Replacement Kit	75988
900 Square DG Top Glass Replacement Kit	75983
Rear Inner Sliding Door (900)	69407
Rear Outer Sliding Door (900)	69408
Front Inner Sliding Door (900)	69844
Front Outer Sliding Door (900)	69032
1200 Square DG Fixed Front Glass Replacement Kit	75989
1200 Square DG Top Glass Replacement Kit	75984
Rear Inner Sliding Door (1200)	69018
Rear Outer Sliding Door (1200)	69019
Front Inner Sliding Door (1200)	73488
Front Outer Sliding Door (1200)	73489
1500 Square DG Fixed Front Glass Replacement Kit	75990
1500 Square DG Top Glass Replacement Kit	75985
Rear Inner Sliding Door (1500)	73494
Rear Outer Sliding Door (1500)	73495
Front Inner Sliding Door (1500)	73492
Front Outer Sliding Door (1500)	73493
Slide-in rubber door seal	11424
Qlon door seal	12922
Product Manual for Inline 3000 Square Series Ambient Cabinets	26114

MECHANICAL DRAWINGS

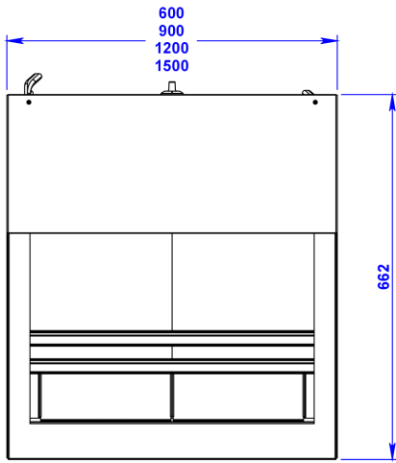
Dimensions

AMBIENT CABINETS - MECHANICAL DRAWINGS

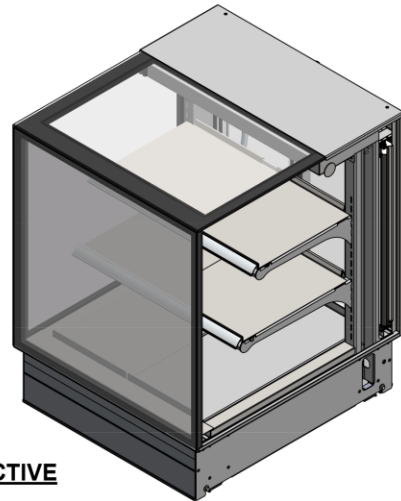
Cabinet Variants

Sliding doors can be fitted to the front and back of the cabinets.
 Fixed glass can be fitted in place of doors at the front.

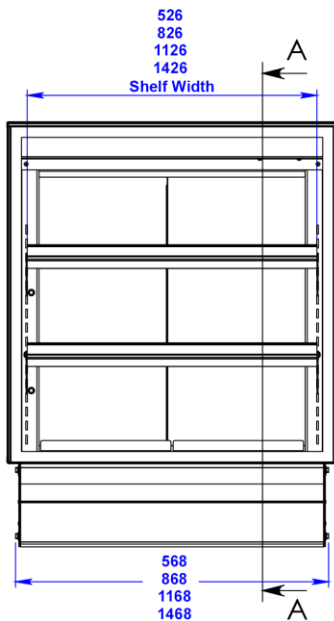
IN-3A06/15-SQ Fixed Front In counter mounting



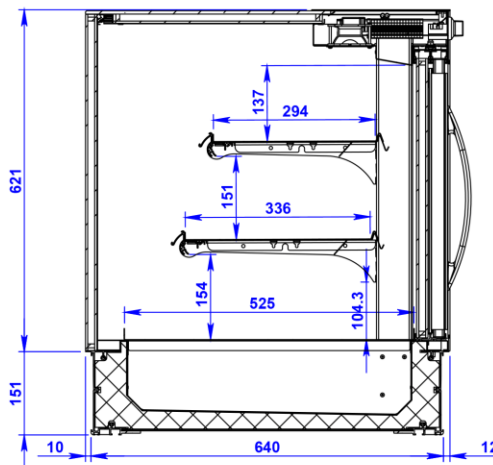
PLAN



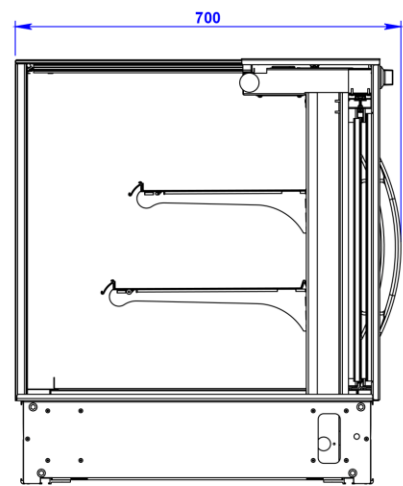
PERSPECTIVE



FRONT ELEVATION

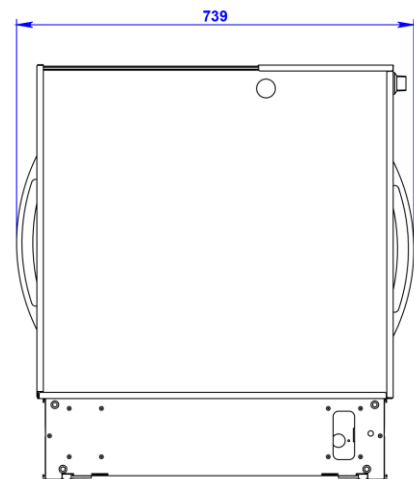
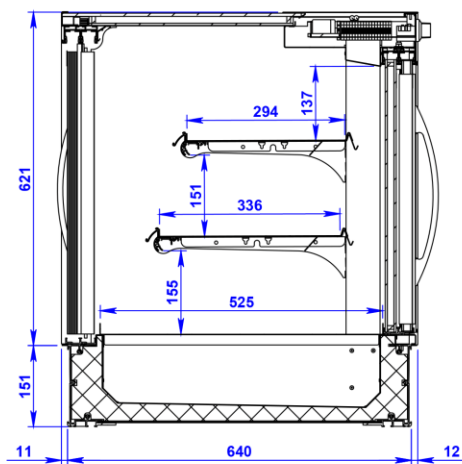
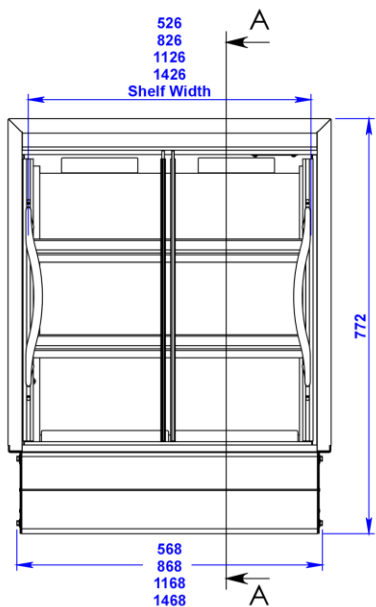
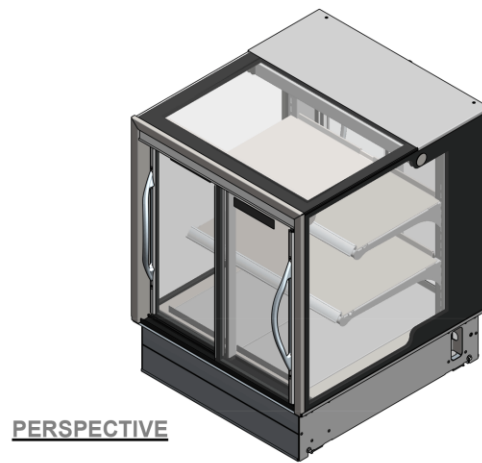
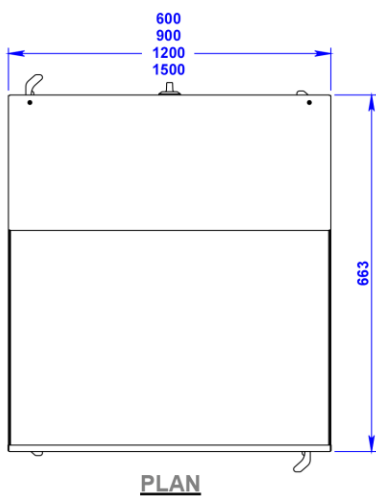


SECTION A-A

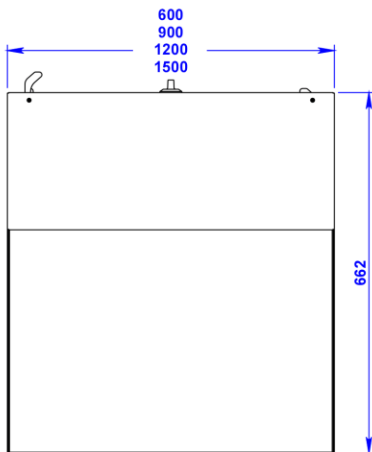


SIDE ELEVATION

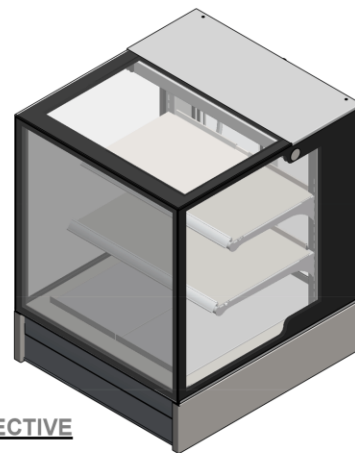
IN-3A06/15-SQ Sliding Door In counter mounting



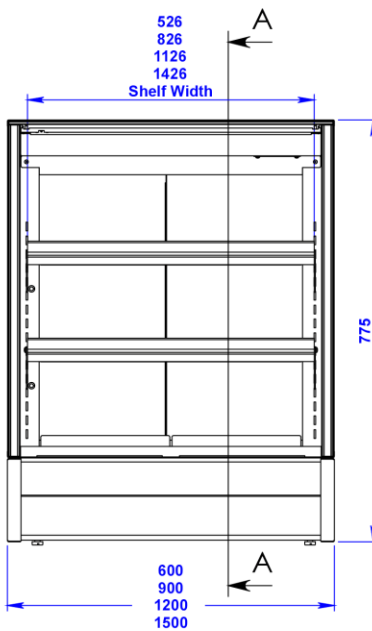
IN-3A06/15-SQ Fixed Front On counter mounting



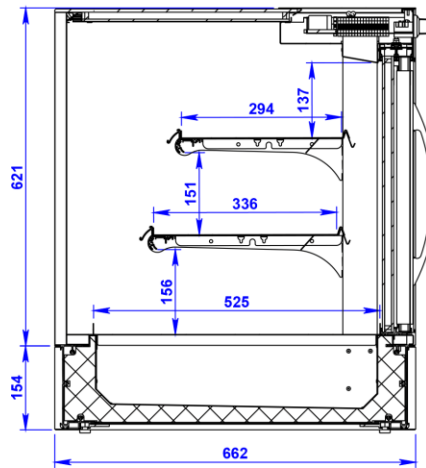
PLAN



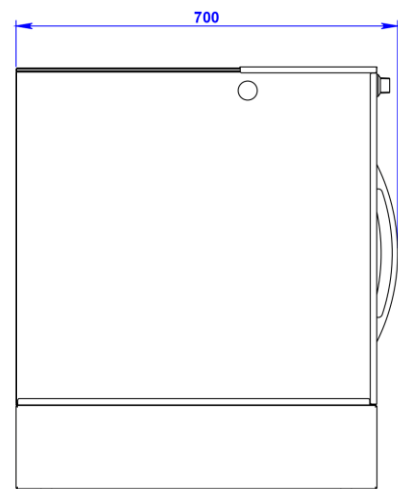
PERSPECTIVE



FRONT ELEVATION

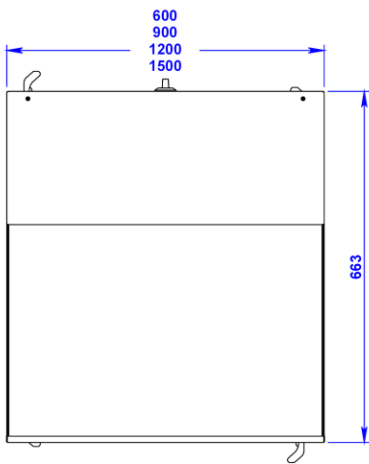


SECTION A-A

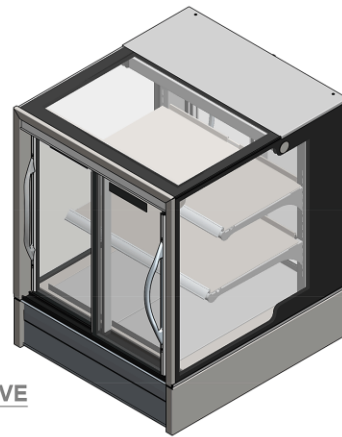


SIDE ELEVATION

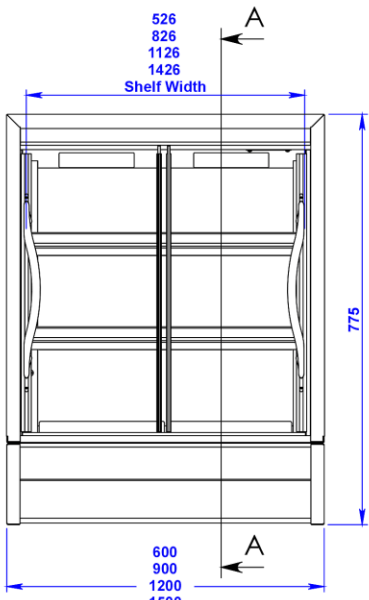
IN-3A06/15-SQ Sliding Door On counter mounting



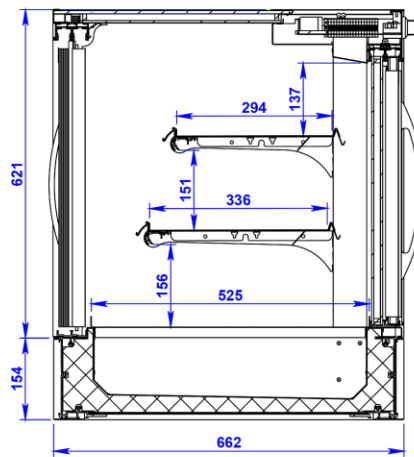
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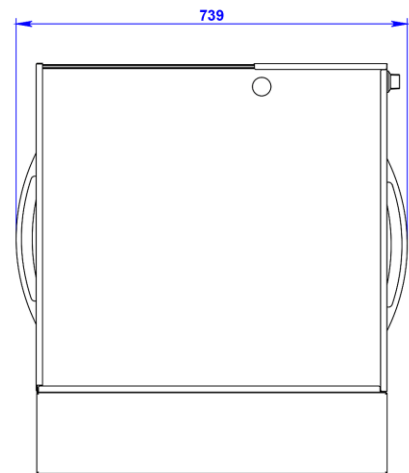
PERSPECTIVE



FRONT ELEVATION



SECTION A-A



SIDE ELEVATION

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26114 REV K
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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.

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