

## V3COLDCAB CUSTOMER PREVENTATIVE

### MAINTENANCE MANUAL:

#### Dear customer.

We are excited and honored that you have made V3COLDCAB® your preferred choice of Hot or cold display cabinets, "THANK YOU". As one of the proud owners of our product we wish to point out that we are constantly endeavoring to supply a top quality product which you will find evidence of through the many years of service that our product will offer you.

In our ongoing quest to provide customer satisfaction and peace of mind, we have included this maintenance manual with your product in order to ensure that you can keep it functioning at peak performance always.

Please read the manual carefully with you managers and staff. We are confident that you will be satisfied with your product but if you are unlikely enough to experience any difficulty in the maintenance of our product please do not hesitate to contact V3FIELDSERVICE® (PTY) LTD on the numbers below.

Once again thank you for choosing V3COLDCAB® for your Hot or Cold display cabinets.

Best regards,



Johnny De Nobrega

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**DOCUMENT: D458**



# **CONTENTS**

<b><u>PAGE</u></b>	<b><u>ITEMS</u></b>
1.	INTRODUCTION
2.	CONTENT
3.	HOW TO CLEAN YOUR REFRIGERATED CABINETS
6.	WHEN TO CLEAN YOUR REFRIGERATED CABINETS
7.	SEVEN POINT PLAN OF MAINTENANCE
8.	DRAFTS AFFECTING CASES
9.	CASE AIRFLOW ON A WELL TYPE
10.	AIRFLOW ON AN UPRIGHT CASE
11.	DRAFTS AFFECTING WELL TYPE CASES
13.	LIGHTING AFFECTING REFRIGERATED CASES
14.	STOCKING YOUR REFRIGERATED SALES CASES
16.	BREAK DOWNS
17.	TIPS

## **HOW TO CLEAN YOUR REFRIGERATED CABINETS**

### **A CARE OF ENAMELED SHEETING**

#### **1. SPONGING WITH SOAPY WATER**

Use a sponge and warm water with light washing detergent for thorough sponging of the cabinet exterior.

#### **2. RINSING WITH CLEAR WATER**

Thoroughly remove all traces of soap by rinsing – possibly using several changes of water- and wiping dry

#### **3. APPLY MOTOR CAR POLISH WHEN NECESSARY**

#### **4. POLISH WITH SOFT CLOTH**

With a soft woollen cloth it only takes a few minutes to restore a friendly shine to the enamel parts of the cabinet.

### **B CARE OF PLASTIC PARTS**

#### **1. WASH DOWN**

Sponge with warm water containing Light Washing Detergent

#### **2. RINSING WITH CLEAR WATER**

Rinse several times, using fresh water, paying special attention to grooves

#### **3. NEVER USE CLEANERS CONTAINING ABRASIVES**

The plastic surfaces would become unsightly, dull or damaged. Scouring powders are definitely unsuitable

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**C CARE OF STAINLESS STEEL**

## 1. SPONGING

Sponge thoroughly with a weak solution of warm water and light washing detergent. Scouring powders or chemical solvents must never be used on stainless steel

## 4. RUBBING DRY

Remember that moisture fosters rust formation. Leather, suede or linen cloths are suitable, but not woolen material because the lint it would leave behind is hard to remove

**HOW TO CLEAN YOUR REFRIGERATED CABINETS (Continued)****D CARE OF ALUMINUM**

## 1. IDENTIFY THE METAL

Aluminum has a dullish silver sheen. Chrome or stainless steel looks brighter. If in doubt test by magnet

## 2. SPONGING

Thoroughly clean all parts with warm water. Make sure that all soap is removed because it would stain the metal

## 3. RINSING

Rinse using several changes of clean water. Make sure that all soap is removed because it would stain the metal

## 4. DRYING AND POLISHING

All parts must be thoroughly dried and subsequently polished until gleaming

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**E CARE OF GLASS PARTS****1. GLASS PARTS TO BE WASHED**

Use water or light washing Detergent. Rinse well using warm water, or use window lean and newspaper.

**2. DRYING**

Leather is suitable, so is suede or soft cloth

**F CARE OF RUBBER PARTS**

Clean with brush and plain water

**G CLEANING BELOW THE CABINET**

Cabinets of recent design have sufficient floor clearance, and thorough cleaning below the unit is no problem. Ensure that it is done regularly. These easily overlooked places are favored dirt traps and produce unpleasant odor.

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## **WHEN TO CLEAN YOUR REFRIGERATED CABINETS**

<b>CABINET</b>	<b>DAILY</b>	<b>WEEKLY</b>	<b>TWICE A MONTH</b>	<b>MONTHLY</b>
<b>FISH</b>	<b>FULL CLEAN</b>			
<b>BUTCHERY</b>	<b>WIPE DOWN</b>	<b>FULL CLEAN</b>		
<b>DAIRY</b>	<b>WIPE DOWN</b>	<b>FULL CLEAN</b>		
<b>DELI</b>	<b>WIPE DOWN</b>	<b>FULL CLEAN</b>		
<b>FRUIT &amp; VEG</b>	<b>WIPE DOWN</b>	<b>FULL CLEAN</b>		
<b>PROCESSED MEATS</b>	<b>WIPE DOWN</b>	<b>FULL CLEAN</b>		
<b>BAKERY</b>	<b>WIPE DOWN</b>		<b>FULL CLEAN</b>	
<b>BAKERY FREEZERS</b>	<b>WIPE DOWN</b>		<b>FULL CLEAN</b>	
<b>OTHER FREEZERS</b>	<b>WIPE DOWN</b>		<b>FULL CLEAN</b>	
<b>3 DECK FREEZERS</b>	<b>WIPE DOWN</b>			<b>FULL CLEAN</b>

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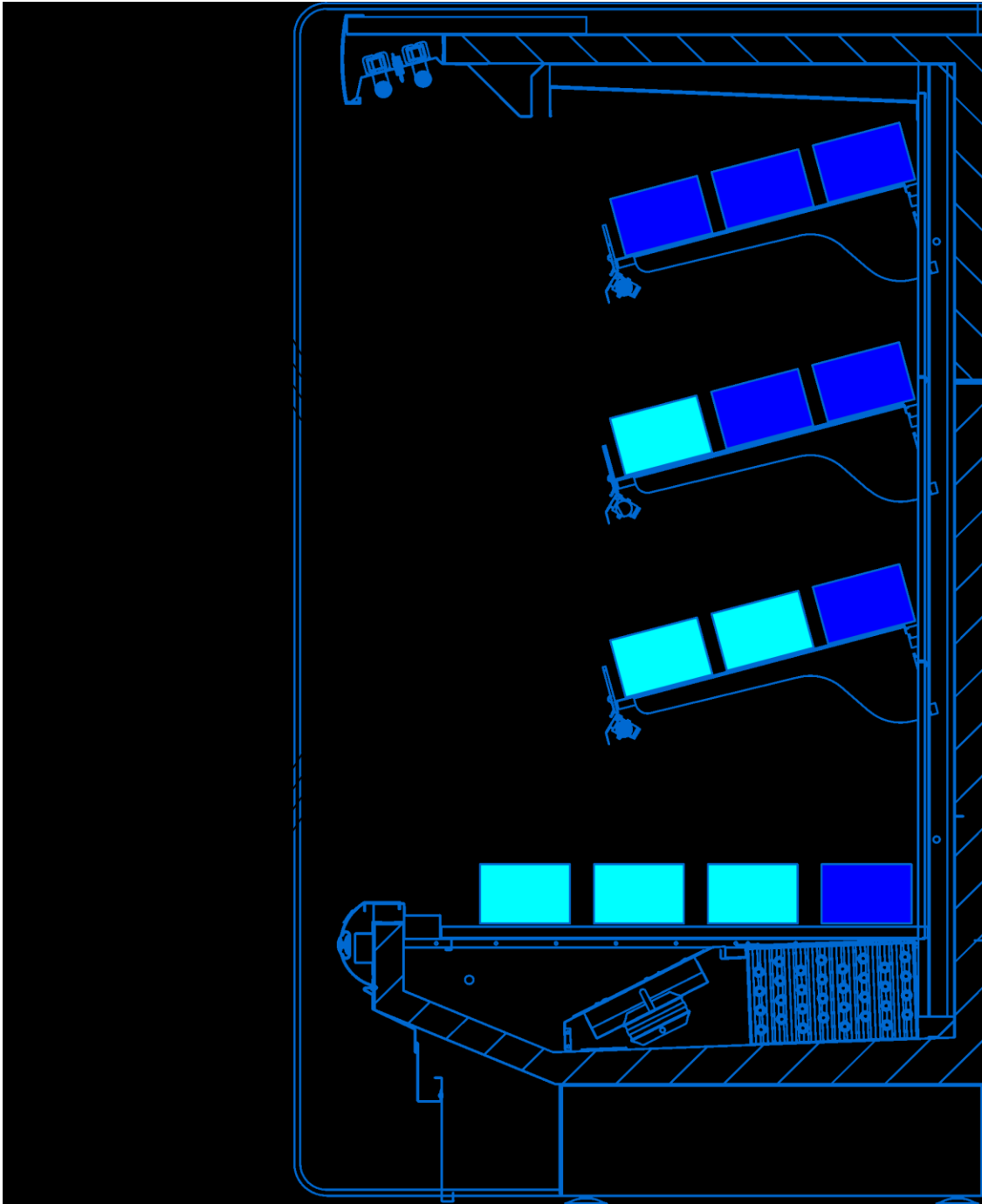
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## **HERE IS THE SEVEN POINT PLAN FOR MAINTENANCE OF REFRIGERATED CABINET**

1. DISCONNECT ELECTRICITY  
For self-contained units, pull out the plug.  
For separately installed machines, switch off the power in the machinery room.  
It is safest to disconnect all equipment during maintenance.
2. REMOVE GOODS FROM CABINET  
This considerably facilitates work.  
Fresh goods can be removed into cold storage for the time taken for maintenance work.  
Frozen food goes into cold storage or into deep freezing compartments.
3. REMOVE INSET FROM THE EVAPORATOR COMPARTMENT  
This can be accomplished with ease in just two movements, using the finger holes provided.
4. REMOVE DIRT IN THE EVAPORATOR COMPARTMENT  
There will be a collection of dust, various liquids from defrosted goods, old labels, bits of food and paper.  
When all has been removed, wipe through with a moistened cloth.  
WARNING: Evaporator fins are sharp – handle with care
5. RINSE WITH CLEAR WATER  
Use warm water to get rid of any remaining grease film, then dry with cloth.
6. FLUSH THE DRAIN-PIPE  
Pour a bucket of cold water into the fridge cabinet.
7. When work is finished, the covers for the evaporator compartment should be replaced.  
Only then can machines be re-started and the goods re-displayed.

## Multi-shelf display case performance suffers from drafts.



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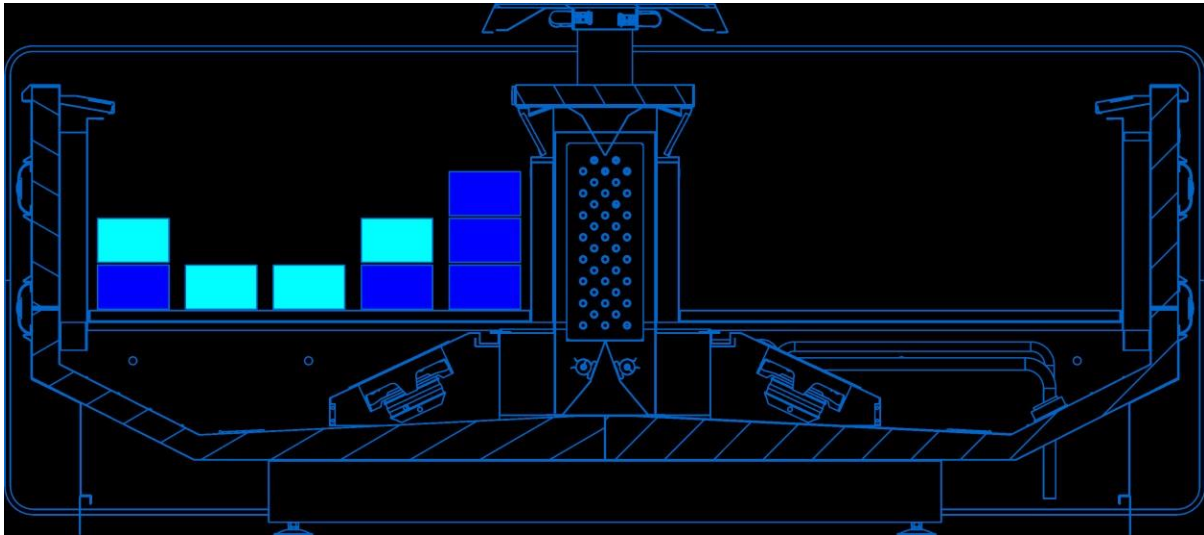
**V3** COLD CAB  
*Superior Display*



This style case is more vulnerable to drafts than the well type case, proper circulation of conditioned air is even more important; more stored air gets mixed with the case air, coils load with frost faster.

Maintenance of display is not only important in relation to product quality, but is a good sales building practice as well.

As the product is removed, the air shield pattern changes some of the packages may not fare so well. It pays to keep the cases restocked often.



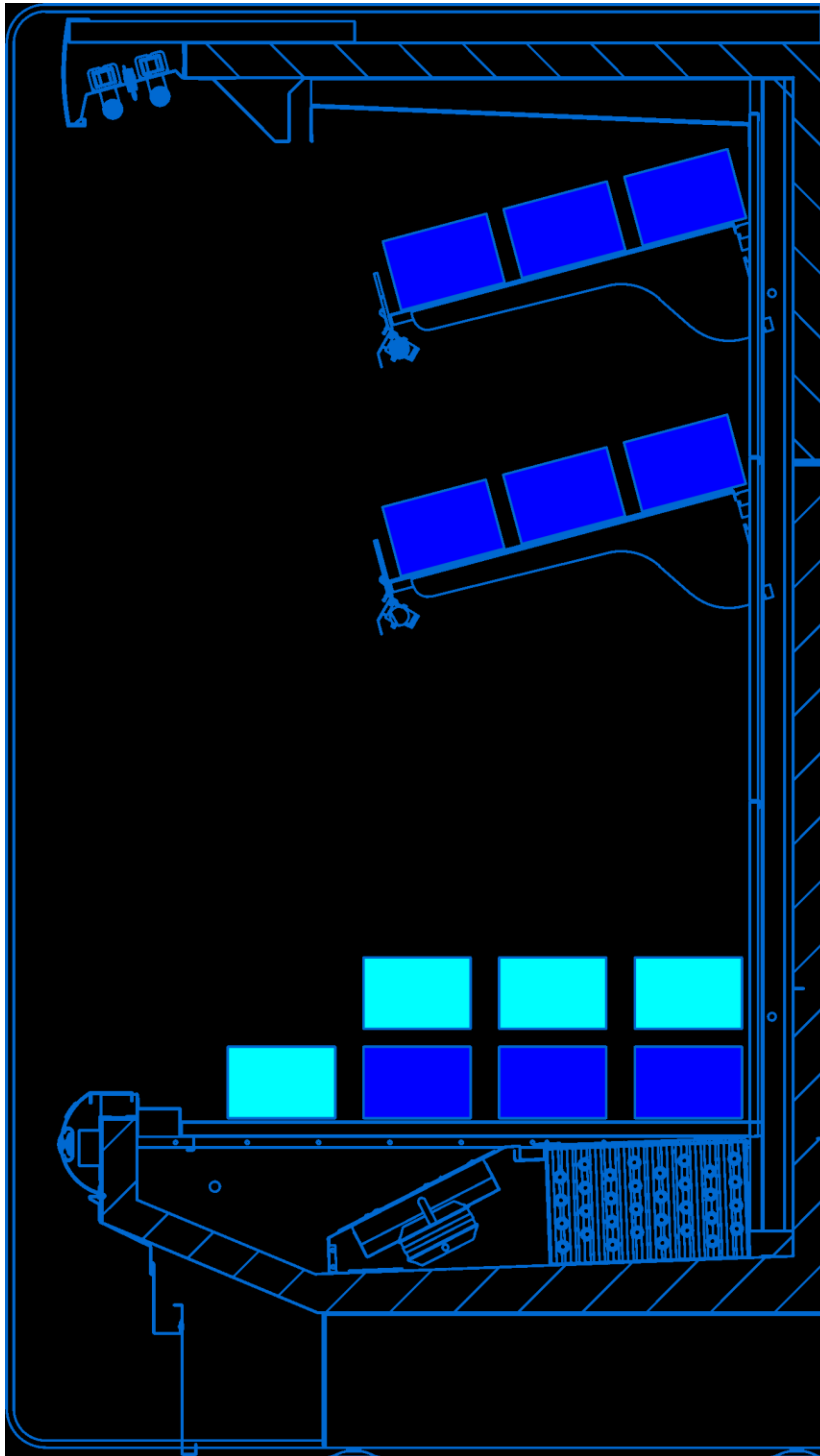
Regular cleaning is a must. Removing debris and flushing the waste pipe with a bucket of hot water two or three times in six months can help in preventing trouble.

Shelves are important in maintaining the air shield on multi-shelf cases. If the shelves are widely spaced or wide gaps exist, the air shield becomes diverted and no longer works as efficiently. Frost can then deposit rapidly on large package surfaces

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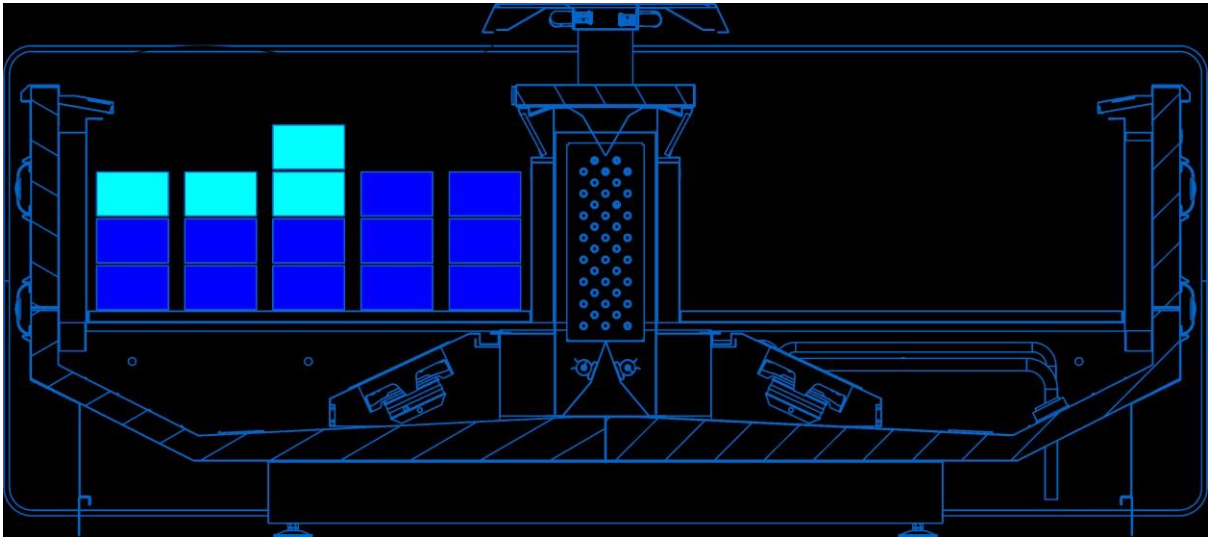
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Frost occurs on surfaces not wiped by rapidly moving air

When packages stick up above the load line, they make things “HOT” for themselves and their neighbours.

Packages above the load line lose protection and expose the packages around them to greater hazards



**CASE FANS RUN CONTINUOUSLY, THEY NEED LITTLE ATTENTION.**

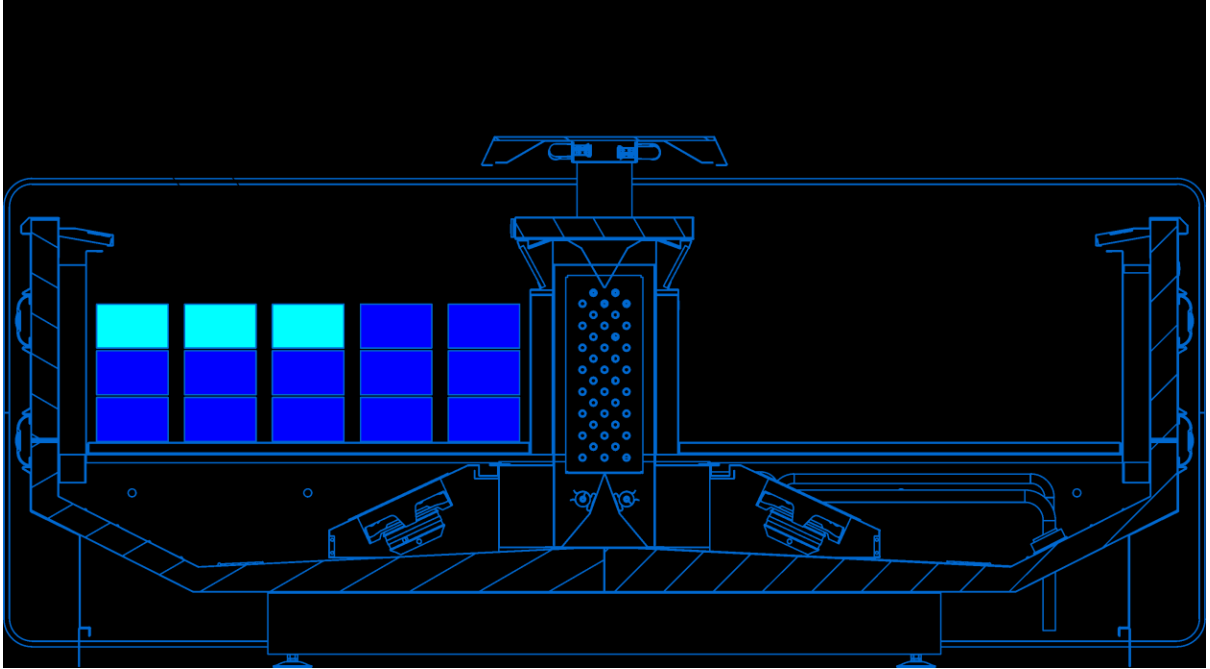
Perhaps this drawing exaggerates the effects of drafts slightly. However the importance of draft free environment shouldn't be minimized. A refrigeration system is “tuned” by adjusting valves and controls for maximum and optimum performance.

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Drafts from poorly located louvers can knock out the air shield, removing our protection. Drafts can come from open doors, but poor heating/cooling system design is the worst offender.



The refrigeration system must be properly “tuned”

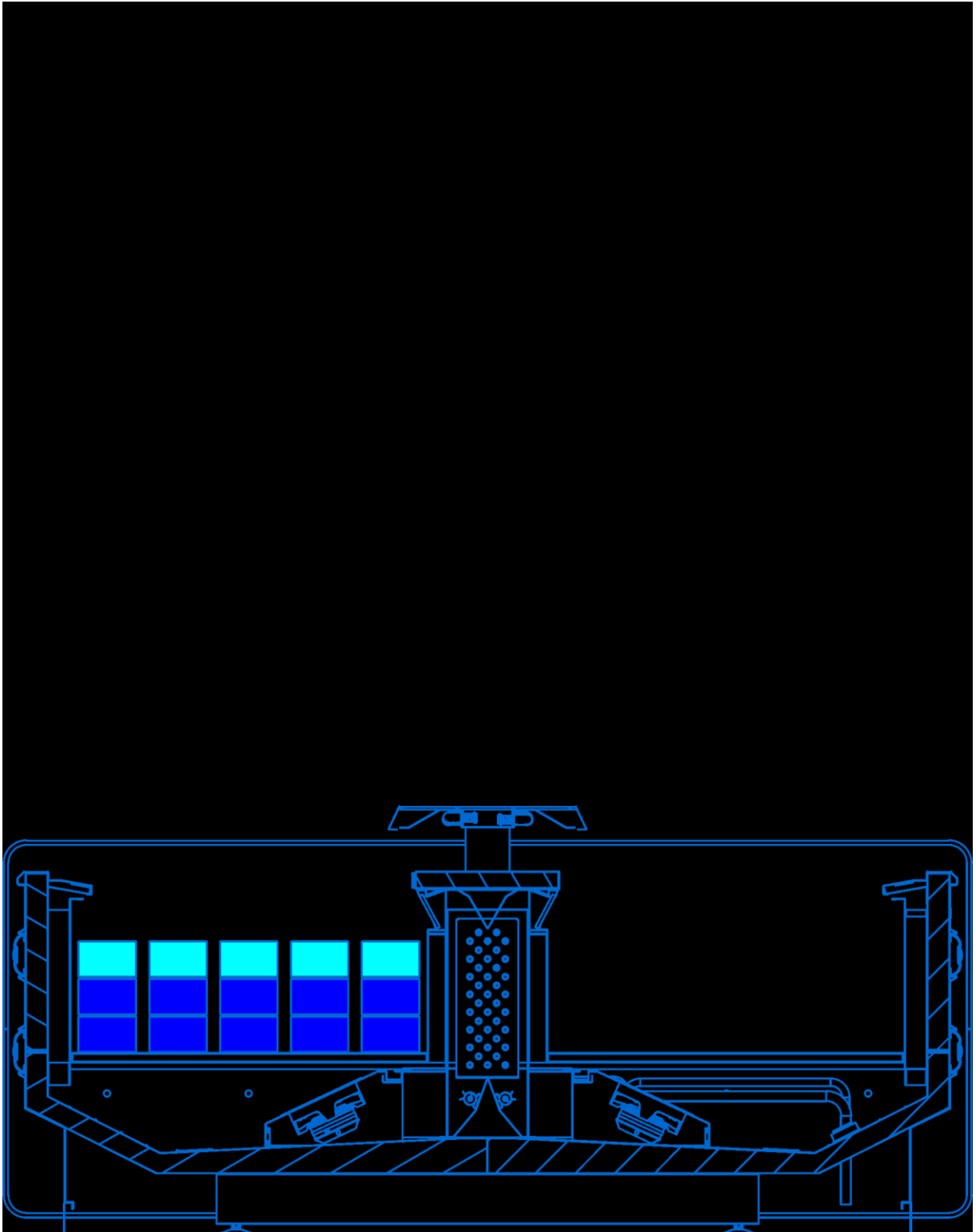
Heat from light adds to heat from ceiling. The total amount of heat can raise the temperature of a package as much as 7° to 10°

Frequency of defrost varies with type of case, make end model.

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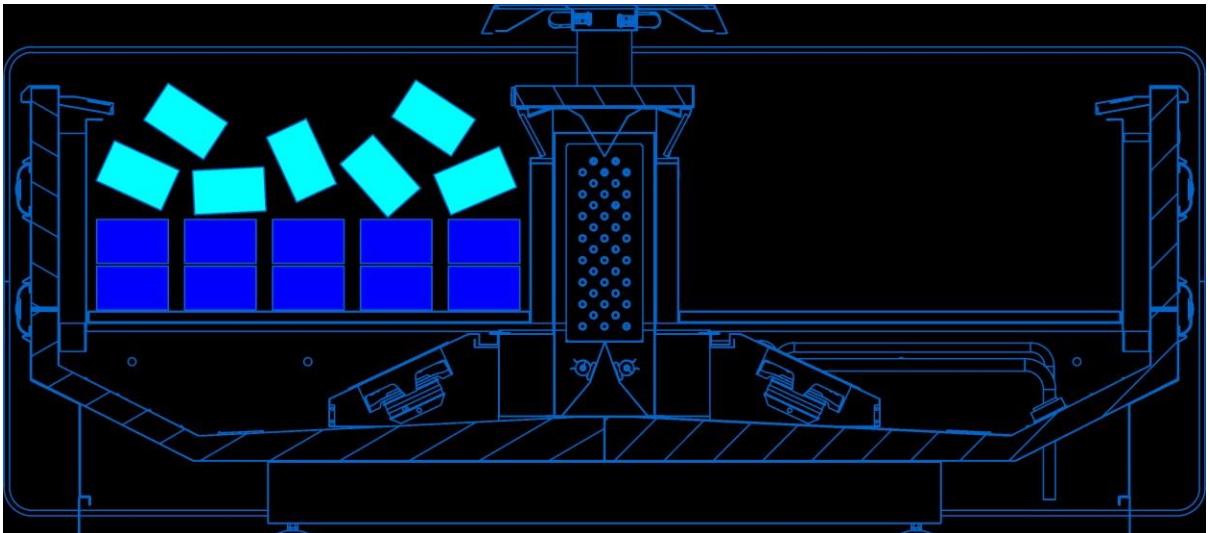


Defrost heaters are a necessary evil. They cause air shield temps to rise once or more times a day.

## **REMEMBER**

Jumbled displays may be good sales gimmick, but they don't help the product quality, especially for the top most layer.

Jumbled displays are bad news for the product and the case



The coil gathers frost more rapidly and the product may get frosted too!

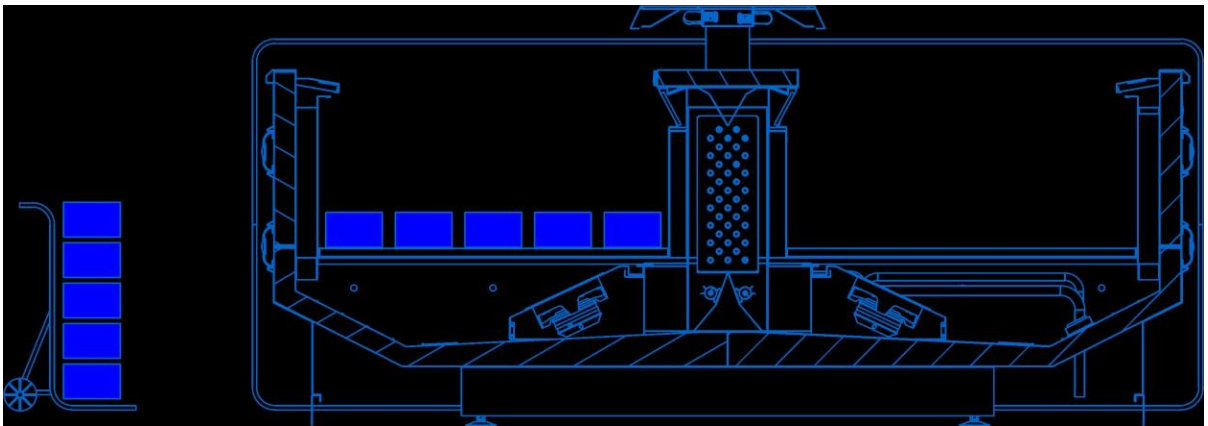
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Display case refrigeration systems are not designed to rapidly pull down a load of partially thawed merchandise to proper display temperatures.

The product should always enter the case at an already refrigerated temperature.



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## **BREAKDOWNS**

### **WHAT TO CHECK FOR IF YOUR CABINET IS NOT WORKING**

#### **1. CHECK DISTRIBUTION BOARD**

- ✓ Check if any circuit breakers are down. (Reset, and if it still goes down contact customer care)
- ✓ Check compressor overload (Reset red – off and green – on)
- ✓ Check defrost timer (could be on defrost)
- ✓ Check electronic controller (what reading are you getting)
- ✓ Check for loose or bent wires (Please contact customer care)

#### **2. CHECK CONDENSING UNIT (OUTSIDE)**

- ✓ Check if compressor is running
- ✓ Check for plastic bags, leaves or boxes on condenser
- ✓ Check HP/LP switch (High Pressure / Low Pressure) (Reset green button on switch)
- ✓ Check sight glass
- ✓ Check for oil or moisture on unit and pipes (could be a leak)
- ✓ Check oil pressure switch (Reset only on some units)
- ✓ Check if condenser fan motor s are running

#### **3. CHECK CABINET (INSIDE)**

- ✓ Check cabinet for airflow (if no airflow unpack bottom rack, remove trays and check for ice ups)
- ✓ Check that evaporator fans are working
- ✓ Check that the return air grids are open and that there is no stock packed over it.

#### **4. PLEASE CONTACT US**

Things to have close by when contacting us so as not to delay you.

1. Model number of the faulty product
2. Serial number of the specific cabinet (found on invoice)

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## **Tips:**

1. Get a refrigeration log to record all relevant details such as defrost interval times, operating temperatures.
2. Monitor fridges when entering the store in the morning then every four hours and before leaving the store.
3. Always maintain the Cold Chain.
4. Do not over pack the cabinet.
5. Check that received perishable stock is received at the right temperature.
6. Do not merchandise incorrect temperature merchandise into the cabinet.
7. Check that supply and return grids are open on the cabinets.
8. Check that the drains are open (Blocked drains can cause damage)
9. If the cabinet is down PLEASE REMOVE MERCHANDISE AND STORE IN BACKUP COLD OR FREEZER ROOM.
10. When working with the backup cold or freezer rooms please do not leave the door open as it causes icing up of the blower coils.
11. Clean cabinets cause less problems, please clean as per schedule.

Best regards

**THE V3COLDCAB® TEAM**

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