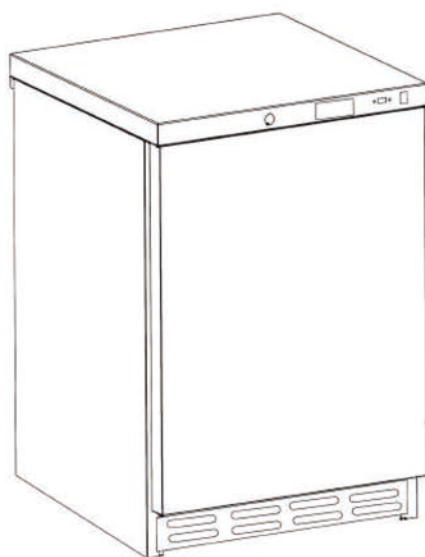
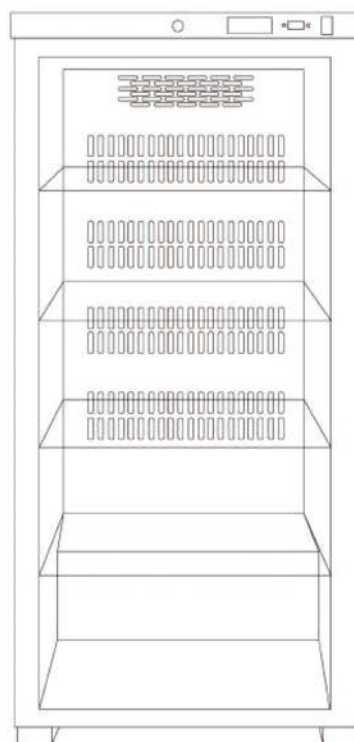




Commercial/Medical Refrigerator



MODEL: CMV 400



MODEL: CMV 1300 G

OWNER'S MANUAL

Read the instructions carefully and keep for future reference



Scan the above QR code to download the "Tuya Smart" app to operate the wifi function

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Warranty

Conserv Appliances undertakes to the consumer-owner to repair or, at our option, to replace any part of this product which proves to be defective in workmanship or material under normal commercial use, in the USA and Canada, for a period of one year from the date of original purchase. During this period, we will provide all labor and parts necessary to correct such defect, free of charge, if the appliance has been installed and operated in accordance with the written instructions with the appliance. Ready access to the appliance, for service, is the responsibility of the consumer-owner. Service would be provided from Monday to Friday between normal business hours.

Exclusions

In no event shall Conserv Appliances be liable for incidental or consequential damages or for damages resulting from external causes such as abuse, misuse, incorrect voltage or acts of God. This warranty does not cover service calls which do not involve defective workmanship or materials covered by this warranty. Accordingly, diagnosis and repair costs for a service call which does not involve defective workmanship or materials will be the responsibility of the consumer-owner.

Specifically, the following work is not covered under warranty and does not constitute warranty work:

Installation – e.g. installing incorrectly

Maintenance – e.g. cleaning appliance using solvents

Mishandling – e.g. breakage of shelves

Most work is covered. The defining factor is, has the machine malfunctioned (Conserv Appliances is responsible) or has the customer omitted or done something to cause machine to malfunction (customer is responsible). Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

WARRANTY SERVICE

This warranty is given by:

ConServ Appliances
10216 Georgibelle Drive, Suite 900D
Houston, Texas 77043-5249

For Service:

Call 1-800-776-3538
Email: Service@ApplianceDesk.com
Web: www.ApplianceDesk.com
Business hours: 9:00 a.m. to 5:00 p.m. weekdays

You can register your Warranty by any of the following methods:

1. Mail in the Warranty Registration Card
2. Register online at www.ApplianceDesk.com
3. Scan the QR Code



CMV 400



CMV 1300 G

GENERAL

Since it is responsibility of the consumer-owner to establish the warranty period by verifying the original purchase date, Conserv Appliances recommends that a receipt, delivery slip or some other appropriate payment record be kept for that purpose.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

All rights reserved. Manual subject to change without notice.

EQUIPMENT SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your unit. Always read and obey all safety messages.



This is the Safety Alert Symbol. The symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the Safety Alert Symbol and either the words "DANGER" or "WARNING".



DANGER means that failure to heed this safety statement may result in severe personal injury or death.



WARNING means that failure to heed this safety statement may result in extensive product damage, serious personal injury, or death.

All safety messages will alert you about the potential hazard, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.

EQUIPMENT SAFETY



Before the equipment is used, it must be properly positioned and installed as described in this manual, so read the manual carefully. To reduce the risk of fire, electrical shock or injury when using this equipment, follow basic precautions, including the following:



- Plug into a grounded 3-prong outlet, do not remove grounding prong, do not use an adapter, and do not use an extension cord.
- Replace all panels before operating.
- It is recommended that a separate circuit serving only your unit be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- Never clean the equipment parts with flammable fluids. These fumes can create a fire hazard or explosion. And do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other pieces of equipment. The fumes can create a fire hazard or explosion.
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected.
- Do not connect or disconnect the electric plug when your hands are wet.
- Unplug the unit or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your unit unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.
- This unit is CFC- and HFC-free and contains a small quantity of Isobutane (R600a), which is environmentally friendly but flammable. It does not damage the ozone layer, nor does it increase the greenhouse effect. care must be taken during transportation and setting up of the unit that no parts of the cooling system are damaged. leaking coolant can ignite and may damage the eyes.
- In the event of any damage:
 - Avoid open flames and anything that creates a spark,

- Disconnect from the electrical power line,
- Air the room in which the unit isolated for several minutes,
- Contact the Service Department for advice.
- The more coolant there is in a unit, the larger the room it should be installed in. In the event of a leakage, if the unit is in a small room, there is the danger of combustible gases building up. For every ounce of coolant, at least 325 cubic feet of room space is required. The amount of coolant in the unit is stated on the data plate inside the unit. It is hazardous for anyone other than an Authorized Service Person to carry out servicing or repairs to this piece of equipment.
- Take serious care when handling, moving, and using the unit to avoid either damaging the refrigerant tubing or increasing the risk of a leak.
- Replacing component parts and servicing shall be done by factory authorized service personnel so as to minimize the risk of possible ignition due to incorrect parts or improper service.

⚠ WARNING ⚠

FOLLOW WARNING CALLOUTS BELOW
ONLY WHEN APPLICABLE TO YOUR
MODEL

- Use two or more people to move and install **unit**. Failure to do so can result in back or other injury.
- To ensure proper ventilation for your **unit**, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 50°F (10°C) and below 90°F (32°C). [For optimal performance, install the unit where the ambient temperature is between 72° and 78°F (23°-26°C).] This unit must be installed in an area protected from the elements, such as wind, rain, water spray or drips.
- The unit should not be located next to ovens, grills or other sources of high heat.
- The unit must be installed with all electrical, water and drain connections in accordance with state and local codes. A standard electrical supply (115 V AC only, 60 Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.
- Do not kink or pinch the power supply cord of the unit.
- The size of the fuse (or circuit breaker) should be 15 amperes.
- It is important that the equipment be leveled in order to work properly. You may need to make several adjustments to level it.
- Never allow children to operate, play with or crawl inside the unit.
- Do not use solvent-based cleaning agents or abrasives on the interior. These cleaners may damage or discolor the interior.
- Use this equipment only for its intended purpose as described in this *Instruction Manual*.
- Keep fingers out of the "pinch point" areas. Clearances between the door and cabinet are necessarily small. Be careful closing the door when children are in the area.

⚠ DANGER ⚠

Risk of child entrapment!

Child entrapment and suffocation are not problems of the past. Junked or abandoned appliances are still dangerous, even if they will "just sit in the garage a few days".

Before discarding your old refrigerator:

- *Take off the doors*
- *Leave the shelves in place so that children may not easily climb inside.*

SAVE THESE INSTRUCTIONS

INSTALLATION INSTRUCTIONS

Before using your equipment

- Remove the exterior and interior packing.

CAUTION: After unpacking you **MUST** allow this unit to stand upright for at least 2 hours to allow the lubricant and refrigerant to drain back into the compressor and stabilize. Failure to do so may adversely affect performance and the lifetime of this unit.

- Clean the interior surface with lukewarm water using a soft cloth.

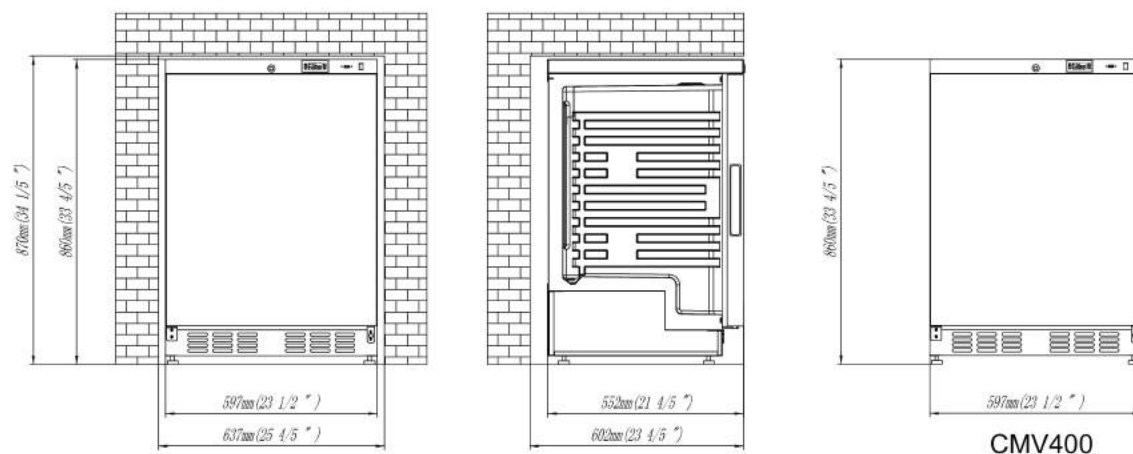
Installation of your equipment

- **WARNING:** Do not store or install the unit outdoors.
- **CAUTION:** This equipment is designed for the storage of medicine or other medical products. Do not store beverages or perishable food in this unit.
- Place the refrigerator on a floor that is strong enough to support it when it is fully loaded. To level the unit, adjust the front leveling legs.
- Recessed or built-in installation, it is a must to keep 4/5" (20mm) of space on each side, and 2/5" (10mm) on the top and 2" (50mm) at the rear. The air vent at the front of the unit must never be covered or blocked in any way.

NOTE: It is recommended that you do not install the unit near an oven, radiator or other heating source. Direct sunlight may affect the acrylic coating and heat sources may increase electrical consumption. Don't install in a location where the temperature will fall below 50°F (10°C). For best performance, do not install the unit behind a cabinet door or block the base grille.

- Avoid locating the unit in moist areas.
- Plug the unit into an exclusive, properly grounded wall outlet. Do not under any circumstances cut or remove the third (ground) prong from the power cord. Any questions concerning power and/or grounding should be directed toward a certified electrician or an authorized service center.

USE INSTALL UNDER COUNTER



Electrical connection



WARNING

Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged, have it replaced by a qualified electrician or an authorized service center.

This unit should be properly grounded for your safety. The power cord of this unit is equipped with a three-prong plug which mates with standard three-prong wall outlets to minimize the possibility of electrical shock.

Do not under any circumstances cut or remove the third (ground) prong from the power cord supplied. For personal safety, this equipment must be properly grounded.

This unit requires a standard 115/120 Volt AC ~ 60Hz three-prong grounded electrical outlet. Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded. When a standard 2-prong wall outlet is encountered, it is your responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

To prevent accidental injury, the cord should be secured behind the unit and not left exposed or dangling.

The unit should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating label on the unit. This provides the best performance and also prevents overloading house wiring circuits that could cause a fire hazard from overheating. Never unplug the unit by pulling on the power cord. Always grip the plug firmly and pull straight out from the receptacle. Repair or replace immediately all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end. When moving the equipment, be careful not to damage the power cord.

Electrical connection

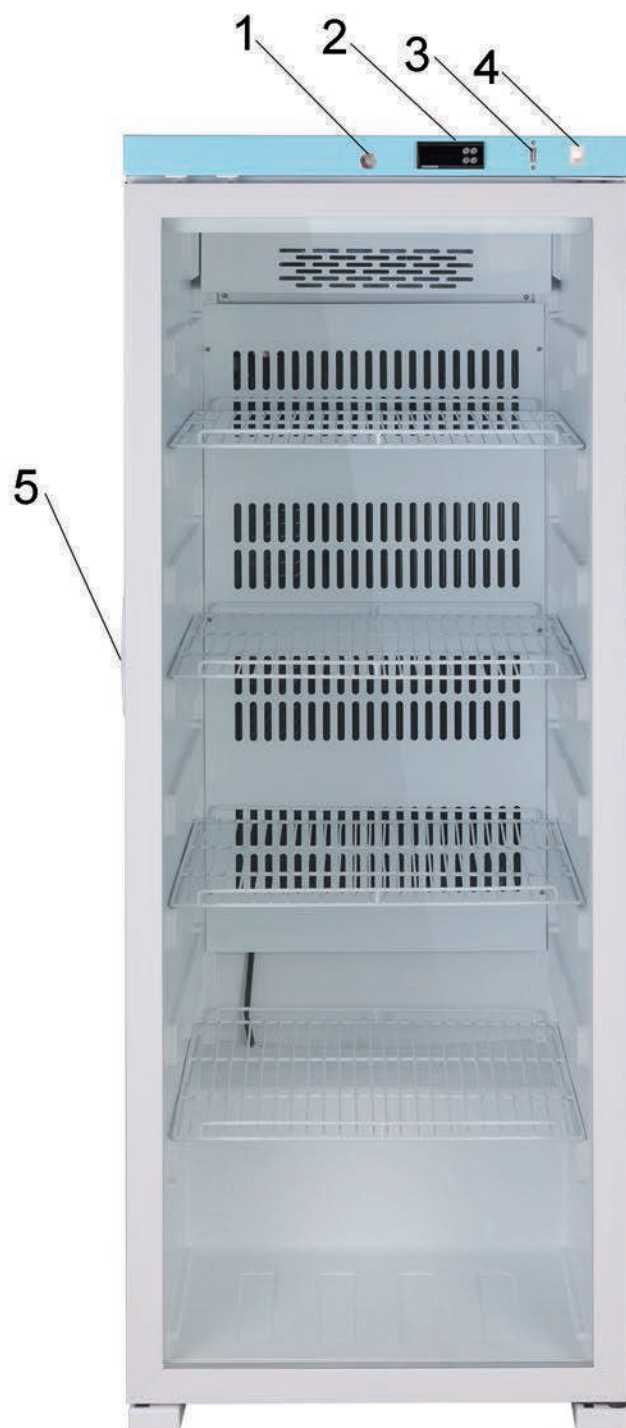
Because of potential safety hazards under certain conditions, it is strongly recommended that you do not use an extension cord with this equipment. However, if you must use an extension cord it is absolutely necessary that it be a UL/CUL-Listed, 3-wire grounding type equipment extension cord having a grounding type plug and outlet and that the electrical rating of the cord be 115 volts and at least 10 amperes.

Key Components



- 1. Lock
- 2. Electronic Controller
- 3. USB
- 4. Reset switch
- 5. Handle

- 6. Adjustable foot
- 7. Bottom plate



- 1. Lock
- 2. Electronic Controller
- 3. USB

- 4. Reset switch
- 5. Handle

OPERATION – QUICK SETUP GUIDE

This section explains how to operate your unit. For more detailed instructions on changing the parameters of the control panel, see page 8~10.

Once plugged in, the display will show the product temperature inside the refrigerator and the compressor will start to run (an indicator light on the control panel will turn on at the same time).

NOTE: This product utilizes two sensors: A Product Sensor (display sensor) and an Air Sensor (control sensor).

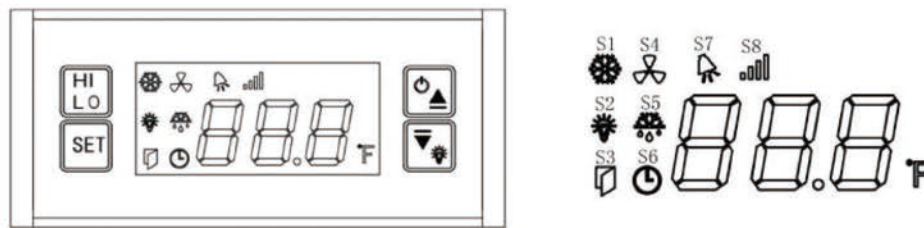
For maximum performance, the refrigerator controls use a separate air sensor. This allows it to rapidly respond to product loading and door openings. You may need to adjust the controller lower than the desired product temperature as the air temperature needs to be lower to pull the product temperature down.

The temperature displayed is the product temperature recorded by the product sensor in Glass Bubbles inside a vial located in refrigerator. As the refrigerator cools to the set point, the number on the display will decrease accordingly. The product vial will take longer to cool than the air in the refrigerator.

If power is cut off, wait for at least 5 minutes before plugging the unit in again to avoid damaging the compressor.

1. Description

1.1 Controller description:



It displays three and a half digits and seven signs (refrigeration, fan, defrosting, alarm, lighting, etc.).

S1 Refrigeration: flashing (frequency 1Hz) indicates that the refrigeration output is delayed.

S2 Light: indicate the working state of the light.

S3 Door open alarm: Indicates the door is open.

S4 Fan: indicate the working state of evaporator fan.

S5 Defrost: indicate whether the system under defrost process.

S6 Clock: Time settings.

S7 Alarm: indicate the alarm or under the process of parameter setting.

S8 WiFi: indicate the current WIFI status, there are four status as below

Off: WiFi module is not connected;





Quick flash: WiFi module is in the status of waiting for network distribution

Slow flash: WIFI module is connected to the router, but not connected to the network



On: the WiFi module is connected to the router and the network



Note: When setting the parameters, the alarm icon  flashes at the speed of 2Hz.

1.2 keys description:

There are 4keys     on the controller, which are used to operate the controller, When the key is pressed, the buzzer sounds.

1.2.1 key press

In the normal mode, press  for more than 1 second, display the setting temperature; press  for more than 5 seconds to access the parameter menu.


In the parameter setting mode, press the key  to display parameter values and parameter names alternately, if press  more than 3seconds, it will save the parameter and exit the setting mode.



When set the setting temperature, press this key to save the value.

When power on, press  and  at the same time will recover the default value,display "CF".

Pressing  and  at the same time after power on for some while will reset the WiFi module, and will display "rSt".

1.2.2 key press


When display normally, press  1 second to display the temperature of the control sensor.

When power on, press  and  at the same time will recover the default value,display "CF".

In parameter setting mode, press this key can move to the next parameter or increase the parameter value.

When set the setting temperature, press this key can increase the setting temperature value.




1.2.3 key press

Press  to switch on or off the lighting.

In parameter setting mode, press this key can move to the previous parameter or decrease the parameter value.

When set the setting temperature, press this key can decrease the setting temperature value.

1.2.4 key press

When display normally, press the key  and the key  at the same time for more than 3seconds can enter or exit from the defrost status. Press  to check the lowest temperature and highest temperature in the cabinet in 24 hours.

2.Functions And Parameters

2.11 buzzer alarm

Alarm code	Fault description	Remarks
E0	Display sensor fault	
E1	Control sensor fault	
Hi	High temperature alarm(display sensor)	Display the Hi and temperature value alternately
Lo	Low temperature alarm(control sensor)	Display the Lo and temperature value alternately
HC	High temperature alarm(display sensor)	Display the HC and temperature value alternately
LC	Low temperature alarm(control sensor)	Display the LC and temperature value alternately
dF	Defrost	Only display, buzzer does not sound
Cr	Clear high and low temperature records	
CF	Recover the default value of the paramter	
rSt	Reset wifi	
uP	USB inserted, storing data	
Ed	USB inserted,complete the data storage	

2.12 remote alarm

When $L_r = 0$, the multi-purpose relay is a remote alarm relay.
When the controller alarms, the remote alarm relay is closed.



2.13 485 communication module










The 485 communication module is connected with the controller through a connecting line, and is equipped with a 485 communication interface and a USB data storage module.
You can communicate with the controller through 485 communication interface, check the status of the controller and change the parameters of the controller.
The USB data storage module is equipped with a large-capacity storage unit, which can cyclically store temperature data for 10 years with a storage interval of 10 minutes.

2.14 WiFi communication module

The WiFi communication module is connected with the controller through a connecting line, and can use the mobile APP to remotely check the state of the controller, adjust the set temperature, switch the degree-day and remotely switch the lights.

2.15 Review and modify system time

When display normally, press  and  for 1 second at the same time, you can check and modify the system time.

1. Press  and  for 1 second, the digital tube flash and display "YR" (year).
2. Press  or  adjust the time (yr: year, MH: month, dy: day, Hr: hour, Mn: minute)
3. Press  to check system time
4. Press the  and  to adjust the system time to local time.
5. After the adjustment is completed, press the  to return to the interface of time parameters.
6. If you want to adjust other time parameters, repeat step 2 to step 5.
7. Press  for 3 seconds to save time and exit.

Note: If you do not press any button for 30 seconds, then automatically exit, time will not be saved.

CLEANING AND MAINTENANCE

Before cleaning, it is essential that you unplug the unit from the power line and transfer the contents where they can be stored and monitored at the correct temperatures.

- Wash the inner compartment with warm water and neutral detergent. DO NOT allow the control panel, cables or plug to get wet. NEVER use corrosive detergents, wire brushes, or abrasive scourers to clean your refrigerator. NEVER use metal or sharp implements to remove debris.
- Dry all surfaces thoroughly.
- To ensure trouble-free operation, the condenser should be cleaned every three months where appropriate using a vacuum hose. The condenser is located at the back or bottom of the cabinet. In exceptionally dusty locations, the condenser should be cleaned more often.

When transporting the unit, try to keep it vertical with angle of inclination between sides of the refrigerator and the horizontal plane not less than 50°. Otherwise the compressor may be affected, disrupting normal operation of the refrigerator.

TROUBLESHOOTING

You can solve many common problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling the servicer.

Problems	Possible causes	Remedy
The unit does not operate	Bad connection of plug or burnt out fuse	Unplug the power cord and re-connect the plug to power supply or replace with a new fuse
Abnormal operation of the compressor or there is a buzzing sound	The power voltage is out of rated range	Disconnect the power supply immediately and reconnect with it after normal voltage. It is necessary to have a voltage stabilizer in case of poor power supply.
Compressor operates for a long time and no frost on the surface of the evaporator	Refrigeration system is at fault (leakage or blocked)	Call for service
There is frost or ice on the walls of the inner cabinet and internal temperature is too low, the compressor never stops running.	Thermostat does not work	Call for service
	The temperature setting of the thermostat is too low.	Adjust to a higher temperature
The internal temperature is too high, and the compressor never stops operating.	Bad heat dissipation and ventilation of condenser	Improve ventilation
	Too many warm items were put in at one time	Remove some goods so air can circulate
	Door is being opened too frequently during initial cool down	Permit the unit to cool down adequately, prevent product access during this
Too noisy	The unit is not level	Adjust the adjustable legs
	The fastener of the unit is loose	Tighten the loose fastener
	Pipe near the compressor are touching	Carefully separate the touching pipes
The side of unit is hot	The condenser in the side wall gives out heat as part of normal operation	Nothing to worry about.
Sometimes a light sound of water flowing will be heard	Refrigerant flowing inside the pipe.	Nothing to worry about.
There may be condensation on the glass door	High ambient temperature or humid conditions	Dry with a cloth

