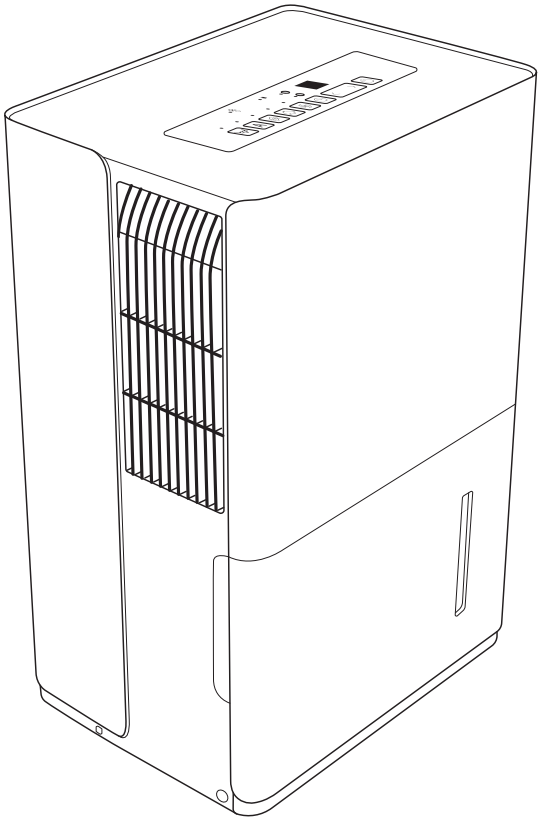
amazonbasics



Dehumidifier - Energy Star Certified

Deshumidificador - Certificación Energy Star

Déshumidificateur - Certifié Energy Star

B07XHQQ95Y / B07XKGLMR8 / B07XKGM4D4

IMPORTANT SAFEGUARDS

Read these instructions carefully and retain them for future use. If this product is passed to a third party, then these instructions must be included.

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and/or injury to persons including the following:

⚠ WARNING **Risk of suffocation!** Appliance should be installed, operated and stored in a room with a floor area larger than the minimum applicable area mentioned for your model (see “Specifications”).

⚠ WARNING **Risk of injury!** Do not use the water collected in the water tank for drinking purposes. It is not sanitary and could cause illness or personal injury hazard.

⚠ WARNING System contains refrigerant under very high pressure. Do not tamper with the system. It must be serviced by qualified persons only.

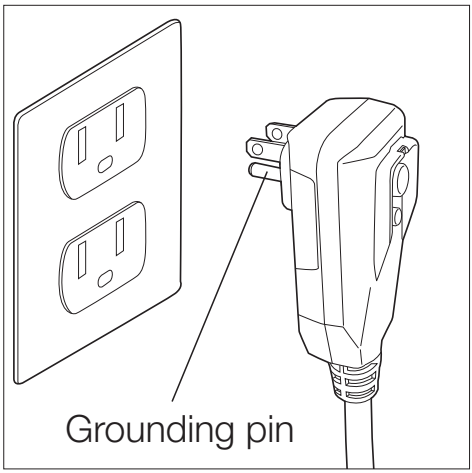
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the product.
- Do not block air inlets and/or air outlets.
- Do not operate with wet hands.
- Do not disassemble or modify the product.
- Always switch off the product before pulling the power plug out of the wall outlet.
- This product shall be installed in accordance with national wiring regulations.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire or damage the product.
- Disconnect the plug from the wall outlet when not using the product for a long time.
- Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or is dropped or damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair or electrical or mechanical adjustment.

- Keep at least a space of 8” (20 cm) at the sides and the back and 16" (40 cm) at the top and the front of the product.
- The vents shall not be obstructed.
- Use the product on a solid and flat surface.
- Keep the product away from items and furnishings that can be damaged by water (wooden furniture, wallpaper, etc.).

NOTICE Fluorinated greenhouse gases are contained in hermetically sealed equipment. For specific information on the type, the amount and the CO2 equivalent in tonnes of the fluorinated greenhouse gas (on some models), please refer to the relevant label on the unit itself.

Grounding Instructions

- This product must be grounded while in use to protect the operator from electrical shock. The product is equipped with a 3-conductor cord and a 3-prong grounding-type plug. This product can only be used with a standard 3-prong wall outlet to minimize the possibility of electric shock. Where a 2-prong outlet is encountered, it must be replaced with a properly grounded 3-prong wall outlet.
- Always use dedicated power circuit with a dedicated circuit breaker.
- Before connecting the product to the power supply, check that the power supply voltage and current rating corresponds with the power supply details shown on the product rating label.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not modify power cord length or share an outlet with another appliance. This may cause electric shock or fire.
- Do not use the outlet if it is loose or damaged. It may cause electric shock.
- Always plug this product directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).



SAVE THESE INSTRUCTIONS

Explanation of Symbols

⚠ DANGER The signal word that indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

⚠ WARNING The signal word that indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

⚠ CAUTION The signal word that indicates a hazard that if not prevented could result in minor or moderate injury.

NOTICE Indicates a practical tip, advice or practice not related to personal injury.

ENERGY STAR

This product is ENERGY STAR® certified and helps to save energy and protect the environment. ENERGY STAR® is a program run by the U.S. Environmental Protection Agency and U.S. Department of Energy that promotes energy efficiency.

Intended Use

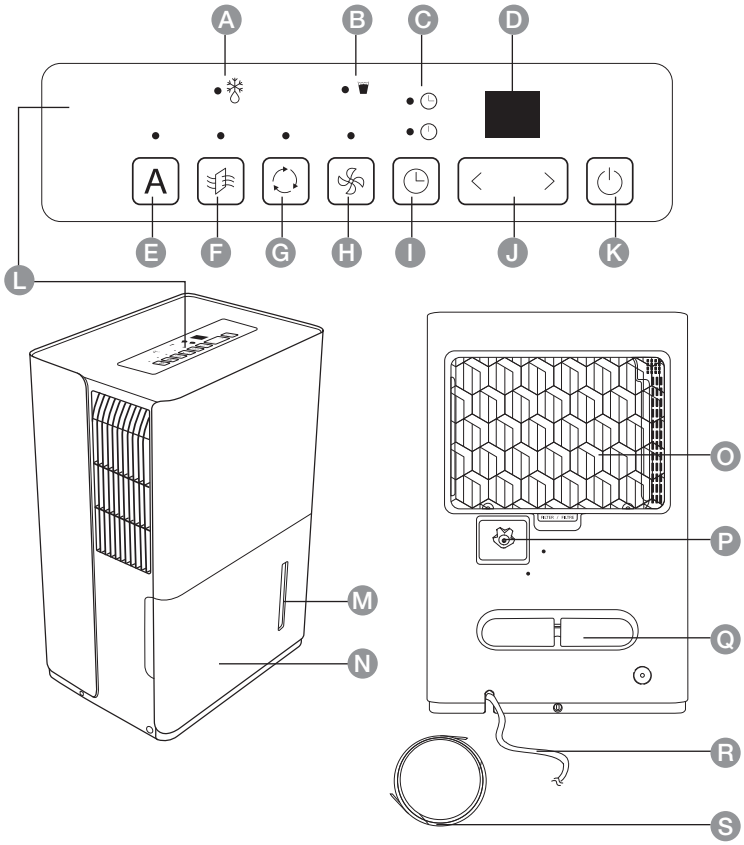
- This product is intended for dehumidifying indoor rooms, basements or other spaces. It is for preventing mold growth on clothing, cupboards, doors and drawers, condensation on ceiling, walls and windows.
- This product is intended for household use only. It is not intended for commercial use.
- This product is intended to be used in dry indoor areas only.
- No liability will be accepted for damages resulting from improper use or non-compliance with these instructions.

Before First Use

- Check the product for transport damages.
- Remove all the packing materials.
- Take the cord winding (Q) out of the water tank (N) and attach it to the attachment at the back of the product.
- Before connecting the product to the power supply, check that the power supply voltage and current rating corresponds with the power supply details shown on the product rating label.

⚠ DANGER **Risk of suffocation!** Keep any packaging materials away from children – these materials are a potential source of danger, e.g. suffocation.

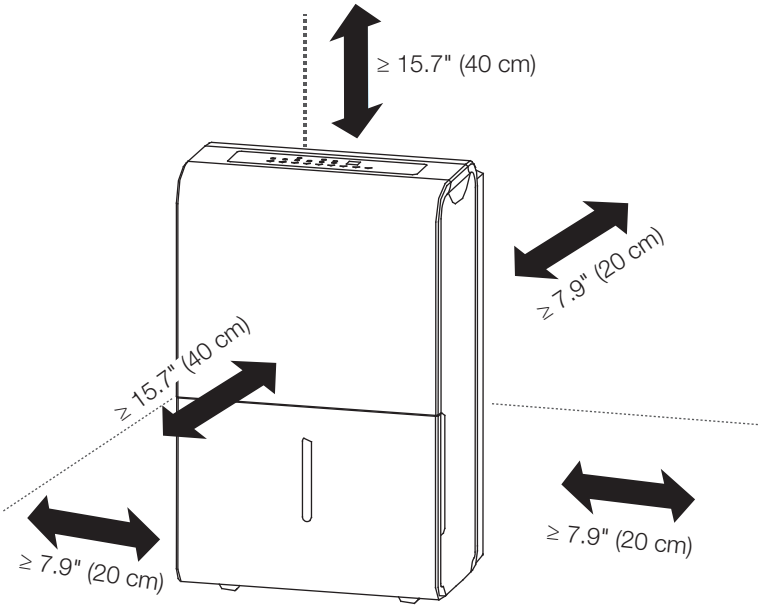
Product Description



- A Defrost indicator
- B Full indicator
- C On / off timer indicators
- D Display
- E A Auto button
- F Filter button
- G Continuity mode button
- H Turbo button
- I Timer button
- J < > decrease / increase buttons
- K On/off button
- L Control panel
- M Water level
- N Water tank
- O Air filter with grille
- P Drain hose outlet
- Q Cord winding
- R Power cord with plug
- S 1/4" (6.4 mm) drain hose

Operation (Positioning)

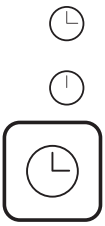
Do not place the product in corners, directly at walls or under cabinets. For a proper operation allow at least the distances given below.



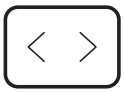
Operation (Control Panel)

NOTICE During normal operation, the display (D) shows the actual room humidity (% RH).

Button	Function
A Auto (E)	• Press to activate the automatic mode. The button indicator lights up. • The product automatically operates dependently on the temperature and humidity to provide the optimum comfort for the user. • Press again to deactivate the automatic mode. The button indicator goes off. ***NOTICE*** In this mode a preset humidity value cannot be set manually.

Button	Function
 Filter (F)	• After approx. 250 hours of operation, the indicator over the filter button lights up to remind the user to clean the filter. • After cleaning the filter, press and hold the filter button for 3 seconds to switch the filter indicator off and to zero the filter counter.
 Continuous operation (G)	• Press to toggle between continuous operation and operation on demand. • Button indicator on - Continuous operation: The product operates continuously and absorbs as much humidity as possible. • Button indicator off - Operation on demand: Set manually the desired room humidity with the **< >** buttons (J). The setting is shown on the display (D). The adjustable value is 35 % RH to 85 % RH. – After no button was pressed for 5 seconds, the setting is saved and the display (D) switches to the actual room humidity. – The product switches off, when the desired room humidity is undercut by 1 %. – The product switches on, when the desired room humidity is exceeded by 5 %.
 Turbo (H)	• Press to increase the fan speed for a faster room air circulation. The button indicator lights up. • Press again to set the fan speed to normal speed. The button indicator goes off.
 Timer (I)	• Set a timer when the product will switch on or off. Press the button to toggle between the on and the off timer. Which timer is actually selected is shown by the timer indicators (C). • ◷ on timer • ◷ off timer • Set the timer with the **< >** buttons (K). The setting is shown on the display (D). The adjustable value is 0.5 hour to 24 hours.

(Continue on next page)

Button	Function
   Timer (I)	(Continued from previous page) • After no button was pressed for 5 seconds, the setting is saved and the display (D) switches to the actual room humidity or goes off. • When a timer is set the appropriate timer indicator (C) lights up. ***NOTICE*** The product restarts with its previous settings. ***NOTICE*** Both timer can be set simultaneously. Both timer are counting on from the present time. The first possible timer action will be implemented. Thus, it is not possible to set both timer on the same value.
 < > (J)	Using the **< >** (J) buttons: - The relative humidity value is inputted in increments of 5. - The timer can be set.
 On/off (K)	Press to switch the product on/off.

Indicator	Description
 Defrosting (A)	Defrosting indicator: The product is defrosting its cooling system.
 Full (B)	Full indicator: The water tank (N) is full.

Operation (Functions)

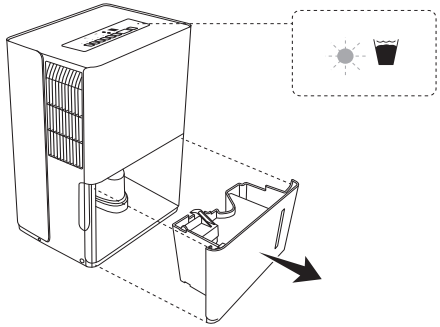
NOTICE The product does not operate, when the water tank (N) is full or is not placed properly into the housing. In that case the full indicator (B) lights up, and the display (D) shows an error code.

Switching on/off

- Connect the product to the a suitable socket outlet. The display (D) and the full indicator (B) shortly light up.

- Press the ⏻ on/off button (K) to switch the product on/off.
- Refer to the “Operation (Control Panel)” chapter to make the settings.

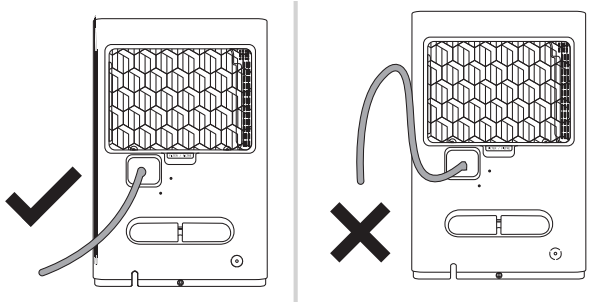
Emptying the water tank



- When the water tank (N) is full the product stops its operation. The full indicator (B) lights up, and the display (D) shows an error code.
- Hold the water tank (N) on its sides and carefully pull it out.
- Drain the water into a sink.
- Place the water tank (N) properly into the housing.
- The product restarts automatically.

Using a drain hose (continuous drainage)

When using a drain hose, the collected water is drained out of the drain hose outlet (P). No water is collected in the water tank (N).



NOTICE The drain hose outlet (P) has no pump. The connected hose must be sloping downwards.

- Open the drain hose outlet (P) by turning it in a counter-clockwise direction.

- Connect a hose by using a 1" (2.54 cm) female connector (both separately purchased).
- Place the end of the drain hose at a suitable drain.

Defrost function

The product automatically performs defrosting in regular intervals according to the ambient room temperature. The ❄ defrost indicator (A) lights up when this feature is activated.

NOTICE **Risk of damage!** Do not switch the appliance off or pull the power plug from the socket outlet during the defrosting operation.

NOTICE During the defrosting operation, the dehumidification function and air circulation function may intermit.

Cleaning and Maintenance

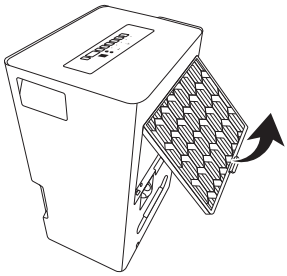
⚠ WARNING **Risk of electric shock!** To prevent electric shock, unplug the product before cleaning.

⚠ WARNING **Risk of electric shock!** During cleaning do not immerse the electrical parts of the product in water or other liquids. Never hold the product under running water.

Cleaning

- To clean the product, wipe with a soft, slightly moist cloth.
- Dry the product after cleaning.
- Never use corrosive detergents, wire brushes, abrasive scourers, metal or sharp utensils to clean the product.

Air filter



- Clean the air filter grille (O) on a bi-weekly basis.
- Pull out the air filter with grille (O) carefully on its handle.
- Clean the filter with grille (O) with a vacuum cleaner or a soft brush. If necessary, clean the filter under running water.
- Let the filter with grille (O) dry.
- Reassemble the filter (O) into the housing.

Storage

⚠ WARNING **Risk of suffocation!** Appliance should be installed, operated and stored in a room with a floor area larger than the minimum applicable area mentioned for your model (see “Specifications”).

- Drain all water out of the product and let it dry.
- Store the product in its original packaging in a dry area. Keep away from children and pets.
- Avoid any vibrations and shocks.

Maintenance

- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

Troubleshooting

Problem	Cause / Solution
The product does not switch on.	• Check if the power plug is connected to the socket outlet. Check if the socket outlet works. • Check the water level in the water tank (N). • Check that the water tank’s (N) is properly fitted into the housing.
The product does not dry the air as it should.	• Wait to get enough time to remove the humidity. • Make sure there are no curtains, blinds or furniture blocking the front or back of the product. • The desired humidity level may not be set low enough. • Check that all doors, windows and other openings are securely closed. • The room temperature is too low, below 41 °F (+5 °C). • A kerosene heater or another equipment is giving off water vapor in the room.

Problem	Cause / Solution
The product makes a loud noise during operation.	• The air filter is clogged. • The product is tilted instead of staying upright as it should be. • The floor surface is not leveled.
Water on floor	• The drain hose connection may be loose. • The drain hose outlet (P) might be opened.

Error code	Cause / Solution
AS	• Humidity sensor error. • Bring the product to a repair service.
ES	• Temperature sensor error. • Bring the product to a repair service.
P2	• Water container is full. • Empty the bucket.
	• Water container is not placed properly. • Rearrange the water container until it fits properly in the housing.

Specifications

B07XHQQ95Y

Rated voltage:	115 V~, 60 Hz, single phase
Rated current:	max. 7.8 A
Power input:	max. 810 W
Standby power:	1 W
Moisture removal:	50 pints/day (23.66 L/day)
R.H. range:	35 – 85 % R.H.
Rated IEF:	0.48 gal/kWh (1.8 L/kWh)
Water tank capacity:	1.59 gal (6 L)
Refrigerant:	R410A, 7.4 oz (210 g)
Fan IP rating:	IP04
Power cord and plug:	3- wire; grounded
Air flow:	11301/13066 cft/h (320/370 m^3/h)
Sound emission:	≤54 dB(A)

Operating temperature:	41 °F to 90 °F (+5 °C to +32 °C)
Applicable area:	484 – 646 ft² (45 – 60 m²)
Net Weight:	approx. 41 lb (18.6 kg)
Dimensions (W x H x D):	approx. 15.4 x 24.3 x 11.1" (392 x 616 x 282 mm)

B07XKGLMR8

Rated voltage:	115 V~, 60 Hz, single phase
Rated current:	max. 5.3 A
Power input:	max. 560 W
Standby power:	1 W
Moisture removal:	35.37 pints/day (16.74 L/day)
R.H. range:	35 – 85 % R.H.
Rated IEF:	0.48 gal/kWh (1.8 L/kWh)
Water tank capacity:	1.59 gal (6 L)
Refrigerant:	R410A, 6.7 oz (190 g)
Fan IP rating:	IP04
Power cord and plug:	3- wire; grounded
Air flow:	9888/11301 cft/h (280/320 m³/h)
Sound emission:	≤54 dB(A)
Operating temperature:	41 °F to 90 °F (+5 °C to +32 °C)
Applicable area:	323 – 484 ft² (30 – 45 m²)
Net Weight:	approx. 39.2 lb (17.8 kg)
Dimensions (W x H x D):	approx. 15.4 x 24.3 x 11.1" (392 x 616 x 282 mm)

B07XKGM4D4

Rated voltage:	115 V~, 60 Hz, single phase
Rated current:	max. 3.7 A
Power input:	max. 420 W
Standby power:	1 W
Moisture removal:	22.06 pints/day (10.44 L/day)
R.H. range:	35 – 85 % R.H.
Rated IEF:	0.41 gal/kWh (1.57 L/kWh)
Water tank capacity:	0.79 gal (3 L)
Refrigerant:	R410A, 5.29 oz (150 g)
Fan IP rating:	IP04
Power cord and plug:	3- wire; grounded
Air flow:	7063/8122 cft/h (200/230 m^3/h)
Sound emission:	≤55.5 dB(A)
Operating temperature:	41 °F to 90 °F (+5 °C to +32 °C)
Applicable area:	269 – 431 ft^2 (25 – 40 m^2)
Net Weight:	approx. 33 lb (15 kg)
Dimensions (W x H x D):	approx. 15.2 x 19.7 x 10.2" (386 x 500 x 260 mm)

Feedback and Help

Love it? Hate it? Let us know with a customer review.

AmazonBasics is committed to delivering customer-driven products that live up to your high standards. We encourage you to write a review sharing your experiences with the product.

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amazon.com/gp/help/customer/contact-us

END OF USER MANUAL

Servicing

- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO^2 fire extinguisher adjacent to the charging area.

No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.

Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The charge size is in accordance with the room size within which the refrigerant containing parts are installed;
- The ventilation machinery and outlets are operating adequately and are not obstructed;
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
- Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- That there no live electrical components and wiring are exposed while charging, recovering or purging the system;
- That there is continuity of earth bonding.

Repairs to sealed components

1. During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
2. Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

NOTICE The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.

Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

Leak detection methods

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration (detection equipment shall be calibrated in a refrigerant-free area). Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.

Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25% maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

Removal and evacuation

When breaking into the refrigerant circuit to make repairs or for any other purpose conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. Opening of the refrigeration systems shall not be done by brazing.The following procedure shall be adhered to:

- Remove refrigerant;
- Purge the circuit with inert gas;
- Evacuate;
- Purge again with inert gas;
- Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be flushed with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task.

Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place.

Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them;
- Cylinders shall be kept upright;
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant;
- Label the system when charging is complete (if not already);
- Extreme care shall be taken not to overfill the refrigeration system.

Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

1. Become familiar with the equipment and its operation.
2. Isolate system electrically.
3. Before attempting the procedure ensure that:

- Mechanical handling equipment is available, if required, for handling refrigerant cylinders;
- All personal protective equipment is available and being used correctly;
- The recovery process is supervised at all times by a competent person;
- Recovery equipment and cylinders conform to the appropriate standards.

4. Pump down refrigerant system, if possible.
5. If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
6. Make sure that cylinder is situated on the scales before recovery takes place.
7. Start the recovery machine and operate in accordance with manufacturer's instructions.
8. Do not overfill cylinders. (No more than 80% volume liquid charge).
9. Do not exceed the maximum working pressure of the cylinder, even temporarily.
10. When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
11. Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

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